

### PERSONAL INFORMATION **Felix Carvalho**

#### WORK EXPERIENCE

---

- January 1986-October 1988 **Researcher**  
Department of Pharmacology and Physiology, Faculty of Pharmacy, University of Porto (Portugal)  
Pharmacology research
- October 1988-October 1989 **Researcher with grant from Instituto Nacional de Investigação Científica (INIC)**  
Department of Pharmacology and Physiology, Faculty of Pharmacy, University of Porto (Portugal)  
Pharmacology research
- March 1990-May 1991 **Hospital Pharmacist**  
Hospital Distrital de Santo Tirso (Portugal)  
Hospital Pharmacy
- March 1990-December 1991 **Monitor**  
Department of Pharmacology and Physiology, Faculty of Pharmacy, University of Porto (Portugal)  
Pharmacology research and teaching
- December 1991-February 1994 **Teaching Assistant**  
Department of Toxicology, Faculty of Pharmacy, University of Porto (Portugal)  
Toxicology research and teaching
- February 1994-May 1998 **Assistant Professor**  
Department of Toxicology, Faculty of Pharmacy, University of Porto (Portugal)  
Toxicology research and teaching
- May 1998-December 2003 **Auxiliar Professor**  
Department of Toxicology, Faculty of Pharmacy, University of Porto (Portugal)  
Toxicology research and teaching
- December 2003-January 2005 **Aggregated Auxiliar Professor**  
Department of Toxicology, Faculty of Pharmacy, University of Porto (Portugal)  
Toxicology research and teaching
- January 2005-April 2012 **Aggregated Associated Professor**  
Department of Toxicology, Faculty of Pharmacy, University of Porto (Portugal)  
Toxicology research and teaching
- April 2012- Present **Full Professor**  
Faculty of Pharmacy, University of Porto (Portugal)  
Toxicology research and teaching

#### EDUCATION AND TRAINING

---

- September 1984-May 1990 **Graduation in Pharmaceutical Sciences**  
Faculty of Pharmacy, University of Porto (Portugal)  
Pharmaceutical Sciences
- February 1994-May 1998 **PhD in Toxicology**  
Faculty of Pharmacy, University of Porto (Portugal)  
Toxicology

ADDITIONAL INFORMATION

---

**Expertise**

Felix Carvalho, PharmD, PhD, is Full Professor of Toxicology, at the Laboratory of Toxicology, Faculty of Pharmacy, University of Porto (FFUP), and researcher of the Research Unit on Applied Molecular Biosciences (UCIBIO) at REQUIMTE, Portugal. He is presently President of the Scientific Council of FFUP, President of EUROTOX, President of the Portuguese Society of Pharmacology, and Vice-Director of UCIBIO Research Unit.

Felix Carvalho is also European Expert of the European Medicines Agency (EMA), Member of the Committee for Evaluation of Medicines at the National Authority of Medicines and Health Products, I.P. (INFARMED), and participates in the editorial board of several scientific journals.

His main area of research is Toxicology. During the past 30 years, Felix Carvalho published over 450 scientific articles / book chapters and is co-editor of two Books, in the area of Toxicology.

**Publications****THESIS**

1. Felix Dias Carvalho (1994) Study of paracetamol toxicity in isolated rat hepatocytes. Proofs of Pedagogical Aptitude and Scientific Capacity, under the supervision of Prof. Doutora Maria de Lourdes P.A.S. Bastos.

2. Felix Dias Carvalho (1998) Hepatotoxicity of d-amphetamine. In vitro and in vivo studies. PhD thesis, under the supervision of Prof. Doutora Maria de Lourdes P.A.S. Bastos.

**BOOKS**

Toxicologia Forense (2015) (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455).

Toxicologia Fundamental (2018) (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455).

**BOOK CHAPTERS**

1. Felix Carvalho, Maria de Lurdes Bastos, John Timbrell, Catherine Waterfield, Margarida Ferreira (1994) Alteration of some biochemical parameters in mice and rats by exposure to salbutamol. In: In Vitro Toxicological Studies and Real Time Analysis of Residues in Food (ISBN 90-5601-006-9); pp: 68-78.

2. Rosa M. Seabra, Paula B. Andrade, Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Maria de Lourdes Bastos (2006) Antioxidant compounds extracted from several plant materials. In: Biomaterials from Aquatic and terrestrial Organisms (Eds. Miltion Fingerman and Rachakonda Nagabhushanam), Science Publishers Inc, (ISBN-13: 978-1-57808-429-6); pp: 115-174.

3. Vera Marisa Costa, Felix Carvalho, Maria de Lourdes Bastos, Rui Carvalho, Marcia Carvalho, Fernando Remiao (2012) Adrenaline and Noradrenaline: Partners and Actors in the Same Play. In: Neurochemistry, (Ed: Carlos M. Contreras), Intech Open Access Publisher (ISBN 978-953-51-0207-6), pp: 1-44.

4. Maria Joao Valente, Felix Carvalho, Maria De Lourdes Bastos, Marcia Carvalho and Paula Guedes De Pinho (2012) Chromatographic methodologies for analysis of cocaine and its metabolites in biological matrices. In: Gas Chromatography - Biochemicals, Narcotics and Essential Oils. (Eds: Bekir Salih and Omur CelikbAcak) Intech Open Access Publisher (ISBN 979-953-307-302-5), pp: 163-194.

5. Teresa Sousa, Joana Afonso, Felix Carvalho and Antonio Albino-Teixeira (2012) Lipid Peroxidation and Antioxidants in Arterial Hypertension. In: Lipid Peroxidation, Intech Open Access Publisher, ISBN 980-953-307-143-0 pp: 345-392.

6. Teresa Cunha-Oliveira, Ana Cristina Rego, Felix Carvalho, Catarina Oliveira (2013) Medical Toxicology of Drugs of Abuse. In: Principles of Addiction. Comprehensive Addictive Behaviors and Disorders (Ed. Peter M. Miller), Academic Press, ISBN: 978-0123785985, Volume 1, Chapter 17, pp: 159-175.

7. Ricardo Jorge Dinis-Oliveira, Teresa Magalhaes, Felix Carvalho (2013) A pericia em Toxicologia Forense: da suspeita a interpretacao de resultados. In: Ciencias Forenses ao Servico da Justica, PACTOR - Edicoes de Ciencias Sociais, Forenses e da Educacao (Eds: Maria Fatima Pinheiro), Capitulo 4, pp: 159-188.

8. Felix Carvalho, Helena Carmo, Paula Guedes de Pinho, Fernando Remiao, Maria de Lourdes Bastos, Marcia Carvalho (2014) Mephedrone. In: Wexler, P. (Ed.), Encyclopedia of Toxicology, 3rd edition vol 3. Elsevier Inc., Academic Press, pp. 194-196.
9. Joao Paulo Capela, Maria de Lourdes Bastos, Felix Carvalho (2014) Ecstasy. In: Aminoff M.J. and Daroff R.B. (eds.) Encyclopedia of the Neurological Sciences, 2nd edition, vol. 1, pp. 1064-1067. Oxford: Academic Press.
10. Felix Carvalho e Daniel Moura (2014) Toxicos e intoxicacoes. In: "Terapeutica Medicamentosa e suas Bases Farmacologicas, 6ª edicao" (Eds: Serafim Correia Pinto Guimaraes, Daniel Filipe Lima Moura e Patricio Manuel Vieira Araujo Soares da Silva), Porto Editora, pp: 812-821.
11. Barbosa J, Faria J, Carvalho F, Queiros O, Moreira R, Dinis-Oliveira R J (2015). Meconium as an alternative matrix in bioanalysis. In: New sampling strategies in toxicology and therapeutic drug monitoring" (ED: Christophe Stove), Future Science, pp 139-150.
12. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Maria de Lourdes Bastos and Felix Carvalho (2015) Paraquat: molecular mechanisms of neurotoxicity and its relation with autophagy. In: Toxicity and Autophagy in Neurodegenerative Disorders (Ed. Jose M. Fuentes), Springer, pp. 159-170.
13. Ricardo Jorge Dinis-Oliveira, Teresa Magalhaes, Felix Carvalho (2015) Introducao a Toxicologia Forense. In: Toxicologia Forense (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455), Capitulo 1, pp. 1-8.
14. Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Jose Alberto Duarte e Teresa Magalhaes (2015) Recomendacoes Gerais para Colheita de Amostras Biologicas em Toxicologia Forense. In: Toxicologia Forense (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455), Capitulo 5, pp. 103-108.
15. Ricardo Jorge Dinis-Oliveira, Maria Augusta Vieira-Coelho e Felix Carvalho (2015) Introducao as Toxicodependencias. In: Toxicologia Forense (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455), Capitulo 1, pp. 1-8.
16. Ana Oliveira, Ricardo Jorge Dinis-Oliveira e Felix Carvalho (2015) Opioides. In: Toxicologia Forense (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455), Capitulo 7, pp. 131-139.
17. Joao Paulo Capela e Felix Carvalho (2015) Anfetaminas e Derivados. In: Toxicologia Forense (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455), Capitulo 11, pp. 203-215.
18. Ricardo Jorge Dinis-Oliveira, Renata Silva e Felix Carvalho (2015) Pesticidas. In: Toxicologia Forense (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Pactor, Edicoes de Ciencias Sociais, Forenses e da Educacao (ISBN: 9789896930455), Capitulo 23, pp. 415-440.
19. Daniel Jose Barbosa, Joao Paulo Capela, Maria de Lourdes Bastos and Felix Carvalho (2016) Mitochondrial trails in the neurotoxic mechanisms of MDMA. In: The Neuropathology Of Drug Addictions And Substance Misuse (Ed: Victor R. Preedy), Elsevier, Chapter 40, pp. 431-444.
20. Dinis-Oliveira RJ, Carvalho F (2016). Farmacodinamica das drogas e do alcool. In Sexo, drogas e cerebro, (Eds Fardilha M, Soares A). Edicoes Afrontamento.
21. Joao Paulo Capela e Felix Carvalho (2017) Serotonina. In: Neurociencias (Eds. Ana Cristina Rego, Carlos Duarte, Catarina Oliveira), Lidel, pp. 167-192.
22. Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) Introducao a Toxicologia: conceitos fundamentais. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda., ISBN: 9789896930455, p.p. 3-8.
23. Renata Silva, Fernando Remiao, Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) Toxicocinetica. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda., ISBN: 9789896930455, p.p. 9-34.
24. Helena Carmo, Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) O figado como orgao-alvo da toxicidade dos xenobioticos. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda., ISBN: 9789896930455, p.p. 67-88.
25. Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) O pulmao

como orgao-alvo da toxicidade dos xenobioticos. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda., ISBN: 9789896930455, p.p. 113-140.

26. Vera Marisa Costa, Fernando Remiao, Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) O coracao como orgao-alvo da toxicidade dos xenobioticos. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda., ISBN: 9789896930455, p.p. 141-160.

27. Joao Paulo Capela, Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) O sistema nervoso como alvo da toxicidade dos xenobioticos. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda. ISBN: 9789896930455, p.p. 161-171.

28. Georgina Correia da Silva, Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) O sistema endocrino como alvo da toxicidade dos xenobioticos. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda., ISBN: 9789896930455, p.p. 161-172.

29. Susana Coimbra, Alice Santos-Silva, Ricardo Jorge Dinis-Oliveira, Felix Dias Carvalho, Maria de Lourdes Bastos (2018) O sangue como tecido-alvo da toxicidade dos xenobioticos. In: Toxicologia fundamental (Eds. Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos), Lidel, Edicoes Tecnicas Lda., ISBN: 9789896930455, p.p. 233-256.

30. Marisa Freitas, Daniela Ribeiro, Paula Silva, Jose L. F. C. Lima, Felix Carvalho, and Eduarda Fernandes (2018) Pro-inflammatory and toxic effects of silver nanoparticles. In: Nanoparticles in Life Sciences and Biomedicine (Eds. Ana Rute Neves and Salette Reis). Pan Stanford Publishing Pte. Ltd. ISBN 978-981-4745-98-7 (Hardcover), 978-1-351-20735-5 (eBook). [www.panstanford.com](http://www.panstanford.com).

31. Fernando Remiao, Jorge Soares, Felix Carvalho (2020) Portugal. In: Information Resources in Toxicology (Fifth Edition), Volume 2: the Global Arena. (Editor in Chief: Philip Wexler. Editors: Steve Gilbert Asish Mohapatra Sol Bobst Antoinette Hayes Sara T. Humes). Academic Press. eBook ISBN: 9780128137253. Hardcover ISBN: 9780128137246, pp 413-417.

32. Sergio P. Camoes, Jorge M. Santos, Felix Carvalho, and Joana Miranda (2020) Mesenchymal stem cells for cutaneous healing. In: Concepts and Applications of Stem Cell Biology. A Guide for Students (Eds: Gabriela Rodrigues, Bernard A. J. Roelen). Springer, Cham. Print ISBN978-3-030-43938-5, Online ISBN978-3-030-43939-2.

33. Daniela Ribeiro, Marisa Freitas, Jose Miguel P. Ferreira de Oliveira, M. Luisa Corvo, Felix Dias Carvalho, Eduarda Fernandes. "Inflammatory pathways and in vivo studies of inflammatory bowel disease". In Diagnostic and Treatment Methods for Ulcerative Colitis and Colitis Associated Cancer, (Ed. Ashok Kumar Pandurangan), IGI Global, United States of America, 2021, p. 1 - 23. ISBN: 9781799835806 (h/c); eISBN: 9781799835813.

34. Marisa Freitas, Jose Miguel P. Ferreira de Oliveira, M. Luisa Corvo, Felix Carvalho, Eduarda Fernandes, Daniela Ribeiro. "Insights on the potential preventive and healing effects of flavonoids in inflammatory bowel disease". In: Diagnostic and Treatment Methods for Ulcerative Colitis and Colitis Associated Cancer, (Ed. Ashok Kumar Pandurangan), IGI Global, United States of America, 2021, p. 38 - 66. ISBN: 9781799835806 (h/c); eISBN: 9781799835813

35. Mariana Lucas, Marisa Freitas, Felix Carvalho, Eduarda Fernandes, and Daniela Ribeiro. "Antioxidant and Pro-oxidant Activities of Carotenoids". In: Plant Antioxidants and Health, Reference Series in Phytochemistry, (Ed. H. M. Ekiert et al.), Springer Nature Switzerland AG, 2021, p. 1 - 27. Online ISBN: 978-3-030-45299-5; DOI: 10.1007/978-3-030-45299-5\_4-1.

36. Daniela Calina, Felix Carvalho, Docea Anca Oana. "Toxicity of psychedelic drugs". In: Toxicological Risk Assessment and Multi-System Health Impacts from Exposure. (Ed: Aristidis M. Tsatsakis), Academic Press, Elsevier, 2021, p. 545-556. Paperback ISBN: 9780323852159; eBook ISBN: 9780323853583; DOI: 10.1016/B978-0-323-85215-9.00022-2.

37. Rui F. Malheiro, Telma M. Gomes, Helena Carmo, Felix Carvalho, Joao P. Silva. "Cannabinoids and psychosis: current challenges of mechanistic toxicology". In: Toxicological Risk Assessment and Multi-System Health Impacts from Exposure. (Ed: Aristidis M. Tsatsakis), Academic Press, Elsevier, 2021, p. 601-615. Paperback ISBN: 9780323852159; eBook ISBN: 9780323853583; <https://doi.org/10.1016/B978-0-323-85215-9.00020-9>.

#### FULL SCIENTIFIC PAPERS IN INTERNATIONAL JOURNALS

1. Jorge Goncalves, Felix Carvalho, Serafim Guimaraes (1989) Uptake inhibitors do not change the effect of imidazoline alpha-adrenoceptor agonists on transmitter release evoked by single pulse stimulation in mouse vas deferens. *Naunyn-Schmiedeberg's Archives of Pharmacology* 339:288-292.

2. Felix Carvalho, Maria de Lurdes Bastos, John A. Timbrell (1993) Depletion of total non protein sulphhydryl groups in mouse tissues after administration of d-amphetamine. *Toxicology* 83:31-40.
3. Jose Alberto Duarte, Hans Joachim Appell, Felix Carvalho, Maria de Lourdes Bastos, Jose Soares (1993) Endothelium-derived oxidative stress may contribute to exercise-induced muscle damage. *International Journal of Sports Medicine* 14(8):440-443.
4. Jose Alberto Duarte, Felix Carvalho, Maria de Lourdes Bastos, Jose Soares, Hans Joachim Appell (1994) Do invading leucocytes contribute to the decrease in glutathione concentrations indicating oxidative stress in exercised muscle, or are they important for its recovery? *European Journal of Applied Physiology and Occupational Physiology* 68:48-53.
5. Felix Carvalho, Fernando Remiao, Pedro Vale, John Timbrell, Maria de Lourdes Bastos, Margarida Ferreira (1994) Glutathione and cysteine measurement in biological samples by HPLC with a glassy carbon working detector. *Biomedical Chromatography* 8(3):134-136.
6. Maria de Lourdes Bastos, Felix Carvalho, Maria Elisa Soares, Jose Fernandes, Margarida Ferreira (1994) Bioavailability of residues of diazepam and its metabolites. *Bollettino Chimico Farmaceutico* 133(1):27-31.
7. Gloria Queiroz, Felix Carvalho, Pedro Vale, Jorge Goncalves (1995) Electrically-evoked release of taurine in the rat vas deferens: Evidence for a purinoceptor-mediated effect. *Naunyn-Schmiedeberg's Archives of Pharmacology* 351:60-66.
8. Maria Elisa Soares, Maria de Lourdes Bastos, Felix Carvalho, Margarida Ferreira (1995) Determination of As, Cd, and Pb in feedstuff by graphite furnace AAS. *Atomic Spectroscopy* 16(4):149-153.
9. Felix Carvalho, Maria de Lourdes Bastos, Fernando Remiao, Margarida Ferreira (1995) HPLC-ECD determination of oxalates in cork stopper for wine botling. *American Journal of Enology and Viticulture* 46(1):63-66.
10. Felix Carvalho, Catherine Waterfield, Margarida Ferreira, Maria de Lourdes Bastos, John Timbrell (1995) The effect of repeated administration of salbutamol on urinary and liver taurine levels in rats. *Pharmacology Communications* 5(3): 171-180.
11. Eduarda Fernandes, Felix Carvalho, Fernando Remiao, Maria de Lourdes Bastos, Madalena Pinto, Otto Gottlieb (1995) Hepatoprotective activity of xanthenes and xanthonolignoids against tert-butylhydro-peroxide-induced toxicity in isolated rat hepatocytes - Comparison with silybin. *Pharmaceutical Research* 12(11):1756-1760.
12. Catherine Waterfield, Felix Carvalho, John Timbrell (1996) Effect of treatment with -agonists on tissue and urinary taurine levels in rats: Mechanism and implications for protection. *Advances in Experimental Medicine and Biology* 403:233-245.
13. Felix Carvalho, Fernando Remiao, Francisco Amado, Pedro Domingues, Antonio Ferrer-Correia, Maria de Lourdes Bastos (1996) d-Amphetamine interaction with glutathione in freshly isolated rat hepatocytes. *Chemical Research in Toxicology* 9(6):1031-1036.
14. Maria de Lourdes Bastos, Felix Carvalho, Fernando Remiao, Maria Eulalia Mendes, Margarida Ferreira, Maria Elisa Soares, John Timbrell (1997) Changes in taurine levels in response to repeated administration of the 2-agonist salbutamol in lambs. *Journal of Veterinary Pharmacology and Therapeutics* 20:33-37.
15. Felix Carvalho, Fernando Remiao, M. Elisa Soares, Rita Catarino, Gloria Queiroz, Maria de Lourdes Bastos (1997) d-Amphetamine-induced hepatotoxicity: Possible contribution of catecholamines and hyperthermia to the effect studied in isolated rat hepatocytes. *Archives of Toxicology* 71:429-436.
16. Jose Alberto Duarte, S. Gloser, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos, Jose Soares, Hans Joachim Appell (1997) Administration of tourniquet: I. Are edema and oxidative stress related to each other and to the duration of ischemia in reperfused skeletal muscle? *Archives of Orthopedics and Trauma Surgery* 116:97-100.
17. Hans Joachim Appell, Jose Alberto Duarte, S. Gloser, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos, Jose Soares (1997) Administration of tourniquet: II. Prevention of postischemic oxidative stress can reduce muscle edema. *Archives of Orthopedics and Trauma Surgery* 116:101-105.
18. Felix Carvalho, Eduarda Fernandes, Fernando Remiao, Maria de Lourdes Bastos (1999) Effect of d-amphetamine repeated administration on rat antioxidant defences. *Archives of Toxicology* 73:83-89.
19. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (1999) Inhibition of glutathione reductase by isoproterenol oxidation products. *Journal of Enzyme Inhibition* 15:47-61.

20. Jose Alberto Duarte, Felix Carvalho, K. Natsis, Fernando Remiao, Maria de Lourdes Bastos, Hans Joachim Appell, Jose Soares (1999) Structural alterations in skeletal muscle induced by chronic administration of d-amphetamine and food restriction. *Basic and Applied Myology* 9(2):65-69.
21. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2000) Simultaneous determination of reduced and oxidized glutathione in freshly isolated rat hepatocytes and cardiomyocytes by HPLC with electrochemical detection. *Biomedical Chromatography* 14:1-6.
22. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2001) Cardiotoxicity studies using freshly isolated calcium-tolerant cardiomyocytes from adult rat. *In Vitro Cellular & Developmental Biology-Animal* 37:1-4.
23. Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos (2001) Is hyperthermia the triggering factor for hepatotoxicity induced by 3,4-methylenedioxymethamphetamine (ecstasy)? An in vitro study using freshly isolated Mouse hepatocytes. *Archives of Toxicology* 74:789-793.
24. Maria Elisa Soares, Felix Carvalho, Maria de Lourdes Bastos (2001) Determination of amphetamine and its metabolite p-hydroxyamphetamine in rat urine by reversed-phase high-performance liquid chromatography after dabsyl derivatization. *Biomedical Chromatography* 15:452-456.
25. Felix Carvalho, Eduarda Fernandes, Fernando Remiao, Joana Gomes-da-Silva, Amelia Tavares, Maria de Lourdes Bastos (2001) Adaptive response of antioxidant enzymes in different areas of rat brain after repeated d-amphetamine administration. *Addiction Biology* 6:213-221.
26. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2001) Antioxidant activity of Centaurium erythraea infusion evidenced by its superoxide radical scavenging and xanthine oxidase inhibitory activity. *Journal of Agricultural and Food Chemistry* 49:3476-3479.
27. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2001) The study of oxidative stress in freshly isolated Ca<sup>2+</sup>-tolerant cardiomyocytes from the adult rat. *Toxicology In Vitro* 15(4-5):283-287.
28. Felix Carvalho, Jose Alberto Duarte, Helena Carmo, Maria Joao Neuparth, Eduarda Fernandes, Fernando Remiao, Maria de Lourdes Bastos (2001) Hydrogen peroxide production in mouse tissues after acute d-amphetamine administration. Influence of monoamine oxidase inhibition. *Archives of Toxicology* 75:465-469.
29. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2001) Copper enhances isoproterenol toxicity in isolated rat cardiomyocytes: Effects on oxidative stress. *Cardiovascular Toxicology* 1(3):195-204.
30. Francisco Lemos-Amado, Pedro Domingues, A. Ferrer-Correia, Fernando Remiao, Nuno Milhazes, Felix Carvalho, Fernanda Borges, Maria de Lourdes Bastos (2001) Electrospray tandem mass spectrometry of aminochromes. *Rapid Communications in Mass Spectrometry* 15(24):2466-2471.
31. Helena Carmo, Douwe de Boer, Fernando Remiao, Felix Carvalho, Lesseps A. dos Reys, Maria de Lourdes Bastos (2002) Identification of 4-methylthioamphetamine and some of its metabolites in mouse urine by GC-MS after acute administration. *Journal of Analytical Toxicology* 26(4):228-232.
32. Marcia Carvalho, Felix Carvalho, Maria de Lourdes Pereira, Ricardo Pires-das-Neves, Maria de Lourdes Bastos (2002) Effect of 3,4-methylenedioxymethamphetamine ("ecstasy") on body temperature and liver antioxidant status in mice: Influence of ambient temperature. *Archives of Toxicology* 76:166-172.
33. Eduarda Fernandes, Felix Carvalho, Artur Silva, Clementina Santos, Diana Pinto, Jose A. S. Cavaleiro, Maria de Lourdes Bastos (2002) 2-Styrylchromones as novel inhibitors of xanthine oxidase. A structure-activity study. *Journal of Enzyme Inhibition and Medicinal Chemistry* 17(1):45-48.
34. Fernando Remiao, Marcia Carvalho, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2002) Cu<sup>2+</sup>-induced isoproterenol oxidation into isoprenochrome in adult rat calcium-tolerant cardiomyocytes. *Chemical Research in Toxicology* 15(6):861-869.
35. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2002) Antioxidative properties of cardoon (*Cynara cardunculus* L.) infusion against superoxide radical, hydroxyl radical, and hypochlorous acid. *Journal of Agricultural and Food Chemistry* 50:4989-4993.
36. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2002) Studies on the antioxidant activity of *Lippia citriodora* infusion: scavenging



effect on superoxide radical, hydroxyl radical and hypochlorous acid. *Biological and Pharmaceutical Bulletin* 25(10):1320-1323.

37. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2002) Antioxidant Activity of Hypericum androsaemum Infusion: Scavenging Activity Against Superoxide Radical, Hydroxyl Radical and Hypochlorous Acid. *Biological and Pharmaceutical Bulletin* 25(10):1324-1327.

38. Marcia Carvalho, Gabrielle Hawksworth, Nuno Milhazes, Fernanda Borges, Terrence Monks, Eduarda Fernandes, Felix Carvalho, Maria de Lourdes Bastos (2002) Role of metabolites in MDMA (ecstasy)-induced nephrotoxicity: an in vitro study using Rat and Human renal proximal tubular cells. *Archives of Toxicology* 76:581-588.

39. Felix Carvalho, Ines Machado, M. Sanchez Martinez, Amadeu Soares, Lucia Guilhermino (2003) Use of atropine-treated *Daphnia magna* survival for detection of environmental contamination by acetylcholinesterase inhibitors. *Ecotoxicology and Environmental Safety* 53:43-46.

40. Fernando Remiao, Nuno Milhazes, Fernanda Borges, Felix Carvalho, Maria de Lourdes Bastos, Francisco Lemos-Amado, Pedro Domingues, A. Ferrer-Correia (2003) Synthesis and analysis of aminochromes by HPLC-photodiode array. Adrenochrome evaluation in rat blood. *Biomedical Chromatography* 17:6-13.

41. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula B. Andrade, Rosa M. Seabra, Maria de Lourdes Bastos (2003) Hydroxyl radical and hypochlorous acid scavenging activity of small Centaury (*Centaureum erythraea*) infusion. A comparative study with green tea (*Camellia sinensis*). *Phytomedicine* 10:517-522.

42. Helena Carmo, Fernando Remiao, Felix Carvalho, Eduarda Fernandes, Douwe de Boer, Lesseps A. dos Reys, Maria de Lourdes Bastos (2003) 4-Methylthioamphetamine-induced hyperthermia in mice: Influence of serotonergic and catecholaminergic pathways. *Toxicology and Applied Pharmacology* 190:262-271.

43. Eduarda Fernandes, Marcia Carvalho, Felix Carvalho, Artur M. S. Silva, Clementina M. M. Santos, Diana C. G. A. Pinto, Jose A. S. Cavaleiro, Maria de Lourdes Bastos (2003) Hepatoprotective activity of polyhydroxylated 2-styrylchromones against tert-butylhydroperoxide induced toxicity in freshly isolated rat hepatocytes. *Archives of Toxicology* 77:500-505.

44. Felix Carvalho (2003) The toxicological potential of khat. *Journal of Ethnopharmacology* 87: 1-2.

45. Maria Elisa Soares, Marcia Carvalho, Helena Carmo, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos (2004) Simultaneous determination of amphetamine derivatives in human urine after SPE extraction and HPLC-UV analysis. *Biomedical Chromatography* 18:125-131.

46. Marcia Carvalho, Nuno Milhazes, Fernando Remiao, Fernanda Borges, Eduarda Fernandes, Francisco Amado, Terrence Monks, Felix Carvalho, Maria de Lourdes Bastos (2004) Hepatotoxicity of 3,4-methylenedioxy-amphetamine and -methyldopamine in isolated rat hepatocytes: formation of glutathione conjugates. *Archives of Toxicology* 78:16-24.

47. Jose Alberto Duarte, Felix Carvalho, Eduarda Fernandes, Fernando Remiao, Maria de Lourdes Bastos, Jose Magalhaes, Hans Joachim Appell (2004) d-Amphetamine-induced hydrogen peroxide production in skeletal muscle is modulated by monoamine oxidase inhibition. *International Journal of Sports Medicine* 25(6):446-449.

48. Teresa Sousa, Manuela Morato, Eduarda Fernandes, Felix Carvalho, Antonio Albino-Teixeira (2004) Xanthine oxidase inhibition by 1,3-dipropyl-8-sulphophenyl-xanthine (DPSPX), an antagonist of adenosine receptors. *Journal of Enzyme Inhibition and Medicinal Chemistry* 19(1):11-15.

49. Helena Carmo, Jan G. Hegstler, Douwe de Boer, Michael Ringel, Felix Carvalho, Eduarda Fernandes, Fernando Remiao, Lesseps dos Reys, Franz Oesch, Maria de Lourdes Bastos (2004) Comparative metabolism of the designer drug 4-methylthioamphetamine by hepatocytes from man, monkey, dog, rabbit, rat and mouse. *Naunyn-Schmiedeberg's Archives of Pharmacology* 369:198-205.

50. Cristovao Lima, Felix Carvalho, Eduarda Fernandes, Maria de Lourdes Bastos, PC Santos-Gomes, Manuel Fernandes-Ferreira, Cristina Pereira-Wilson (2004) Evaluation of toxic/protective effects of the essential oil of *Salvia officinalis* on freshly isolated rat hepatocytes. *Toxicology In Vitro* 18:457-465.

51. Patricia Valentao, Marcia Carvalho, Eduarda Fernandes, Felix Carvalho, Paula Branquinho Andrade, Rosa Maria Seabra, Maria de Lourdes Bastos (2004) Protective activity of Hypericum androsaemum infusion against tert-butylhydroperoxide-induced oxidative damage in isolated rat hepatocytes. *Journal of Ethnopharmacology* 92:79-84.

52. Marcia Carvalho, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Eduarda Fernandes, Maria do Ceu Monteiro, Maria Jose Goncalves, Vitor Seabra, Francisco Amado, Felix Carvalho and Maria Lourdes Bastos (2004) Metabolism is required for the expression of ecstasy-induced

cardiotoxicity in vitro. *Chemical Research in Toxicology* 17:623-632.

53. Marcia Carvalho, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Eduarda Fernandes, Felix Carvalho and Maria Lourdes Bastos (2004) The toxicity of N-methyl-methylidopamine to freshly isolated rat hepatocytes is prevented by ascorbic acid and N-acetylcysteine. *Toxicology* 200(2-3):193-203.

54. Maria Elisa Soares, Marcia Carvalho, Fernando Remiao, Felix Carvalho and Maria de Lourdes Bastos (2004) Implementation of HPLC methodology for the quantification of malondialdehyde in cell suspensions and liver. *Journal of Liquid Chromatography and Related Technologies*.27 (15):2357-2369.

55. Patricia Valentao, Marcia Carvalho, Felix Carvalho, Eduarda Fernandes, Ricardo Pires das Neves, M. Lourdes Pereira, Paula B. Andrade, Rosa M. Seabra, M. Lourdes Bastos (2004) *Hypericum androsaemum* infusion increases tert-butylhydroperoxide-induced mice hepatotoxicity in vivo. *Journal of Ethnopharmacology* 94:345-351.

56. Ricardo Pires das Neves, Felix Carvalho, Marcia Carvalho, Eduarda Fernandes, Maria Elisa Soares, Maria de Lourdes Bastos, Maria de Lourdes Pereira (2004) Protective activity of hesperidin and lipoic acid against sodium arsenite acute toxicity in mice. *Toxicologic Pathology* 32:527-535.

57. Fernando Remiao, Daniel Rettori, Derick Han, Felix Carvalho, Maria de Lourdes Bastos, Enrique Cadenas (2004) Leucoisoprenochrome-o-semiquinone formation in freshly isolated adult rat cardiomyocytes. *Chemical Research in Toxicology* 17:1584-1590.

58. Helena Carmo, Douwe de Boer, Fernando Remiao, Felix Carvalho, Lesseps A. dos Reys, Maria de Lourdes Bastos (2004) Metabolism of the designer drug 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in mice, after acute administration. *Journal of Chromatography B* 811:143-152.

59. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2004) Acute and chronic effects of clofibrate and clofibric acid on the enzymes acetylcholinesterase, lactate dehydrogenase and catalase of the mosquitofish, *Gambusia holbrooki*. *Chemosphere* 57:1581-1589.

60. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2004) Marine and estuarine algal species as test organisms in Ecotoxicology. *Current Topics in Toxicology* 1:33-51.

61. Jose Alberto Duarte, Anabela Leao, Jose Magalhaes, A. Ascensao, Maria de Lourdes Bastos, Francisco Lemos Amado, L. Vilarinho, D. Quelhas, Hans Joaquim Appell, Felix Carvalho (2005) Strenuous exercise aggravates MDMA-induced skeletal muscle damage in mice. *Toxicology* 206(3):349-358.

62. Helena Carmo, Jan G. Hengstler, Douwe de Boer, Michael Ringel, Fernando Remiao, Felix Carvalho, Eduarda Fernandes, Lesseps A. dos Reys, Franz Oesch and Maria de Lourdes Bastos (2005) Metabolic pathways of 4-bromo-2,5-dimethoxyphenethylamine (2C-B): Analysis of phase I metabolism with hepatocytes of six species including human. *Toxicology* 206(1):75-89.

63. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2005) Acute toxicity of widely used pharmaceuticals in aquatic species: *Gambusia holbrooki*, *Artemia parthenogenetica* and *Tetraselmis chunii*. *Ecotoxicology and Environmental Safety* 61(3):413-419.

64. Teresa Sousa, Eduarda Fernandes, Carla Nunes, Joao Laranjinha, Felix Carvalho, Dora Pinho, Manuela Morato, Antonio Albino-Teixeira (2005) Scavenging of nitric oxide by an antagonist of adenosine receptors. *Journal of Pharmacy and Pharmacology* 57:399-404.

65. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2005) Characterization and use of the total head soluble cholinesterases from mosquitofish (*Gambusia holbrooki*) for screening of anticholinesterase activity. *Journal of Enzyme Inhibition and Medicinal Chemistry* 20(4):369-376.

66. Manuela F. Frasco, Didier Fournier, Felix Carvalho, Lucia Guilhermino (2005) Do metals inhibit acetylcholinesterase (AChE)? Implementation of assay conditions for the use of AChE activity as a biomarker of metal toxicity. *Biomarkers* 10(5):360-375.

67. Bruno Nunes, Felix Carvalho, Lucia Guilhermino, Gilbert van Stappen (2006) Use of the genus *Artemia* in ecotoxicity testing. *Environmental Pollution* 144(2):453-462.

68. Joao Paulo Capela, Andreas Meisel, Artur Abreu, Paula Branco, Luisa Ferreira, Ana Lobo, Fernando Remiao, Maria de Lourdes Bastos, Felix Carvalho (2006) Neurotoxicity of ecstasy metabolites in rat cortical neurons, and influence of hyperthermia. *Journal of Pharmacology and Experimental Therapeutics* 316(1):53-61.

69. Beatriz Porto, Carla Sousa, Ricardo Dinis, Jorge Gaspar, Jose Rueff, Felix Carvalho, Isabel Malheiro (2006) The role of foetal red blood cells in protecting cultured lymphocytes against diepoxybutane-induced chromosome breaks. *Mutation Research, Genetic Toxicology and Environmental Mutagenesis* 603(1):41-47.

70. Manuela F. Frasco, Didier Fournier, Felix Carvalho, Lucia Guilhermino (2006) Cholinesterase from the common prawn (*Palaemon serratus*) eyes: Catalytic properties and sensitivity to



- organophosphate and carbamate compounds. *Aquatic Toxicology* 77(4):412-421.
71. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2006) Effects of widely used pharmaceuticals and a detergent on oxidative stress biomarkers of the crustacean *Artemia parthenogenetica*. *Chemosphere* 62(4):581-594.
72. Ricardo Dinis Oliveira, Antonio Sarmiento, Paulo Reis, Augusta Amaro, Fernando Remiao, Maria de Lourdes Bastos, Felix Carvalho (2006) Acute paraquat poisoning: report of a survival case following intake of a potential lethal dose. *Pediatric Emergency Care* 22(7):537-540.
73. Joao Paulo Capela, Karsten Ruscher, Marion Lautenschlager, Dorette Freyer, Ulrich Dirnagl, Maria de Lourdes Bastos, Andreas Meisel, Felix Carvalho (2006) Ecstasy-induced cell death in cortical neuronal cultures is serotonin 2A-receptor-dependent and potentiated under hyperthermia. *Neuroscience* 139(3):1069-1081.
74. Maria Joao S. Marques, Rui Vitorino, Rita Ferreira, Carla Sousa, Fernando Remiao, Francisco Amado, Jose Alberto Duarte, Felix Carvalho, Maria de Lourdes Bastos (2006) Cytotoxicity and cell signalling induced by continuous mild hyperthermia in freshly isolated mouse hepatocytes. *Toxicology* 224(3):210-218.
75. Ricardo Dinis Oliveira, Maria de Jesus Valle, Maria de Lourdes Bastos, Felix Carvalho, Amparo Sanchez Navarro (2006) Kinetics of paraquat in the isolated rat lung: Influence of sodium depletion. *Xenobiotica* 36(8):724-737.
76. Ricardo Dinis Oliveira, Jose Alberto Duarte, Fernando Remiao, Helena Carmo, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) Paraquat exposure as an etiological factor of Parkinson's disease. *Neurotoxicology* 27:1110-1122.
77. Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Rita Ferreira, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) P-glycoprotein induction: an antidotal pathway for paraquat-induced lung toxicity. *Free Radical Biology and Medicine* 41:1213-1224.
78. Helena Carmo, Marc Brulport, Matthias Hermes, Franz Oesch, Renata Silva, Luisa M. Ferreira, Paula S. Branco, Douwe de Boer, Fernando Remiao, Felix Carvalho, Michael R Schon, Niels Krebsfaenger, Johannes Doehmer, Maria de Lourdes Bastos, Jan G. Hengstler (2006) Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine ("Ecstasy") cytotoxicity. *Pharmacogenetics and Genomics* 16(11):789-799.
79. Ricardo Jorge Dinis-Oliveira, Jose Alberto Duarte, Fernando Remiao, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) Single high dose dexamethasone treatment decreases the pathological score and increases the survival rate of paraquat-intoxicated rats. *Toxicology* 227(1-2):73-85.
80. Helena Carmo, Marc Brulport, Matthias Hermes, Franz Oesch, Douwe de Boer, Fernando Remiao, Felix Carvalho, Michael R Schon, Niels Krebsfaenger, Johannes Doehmer, Maria de Lourdes Bastos, Jan G. Hengstler (2007) CYP2D6 increases toxicity of the designer drug 4-methylthioamphetamine (4-MTA). *Toxicology* 229(3):236-244.
81. Carla Macedo, Paula Branco, Luisa Ferreira, Ana Lobo, Joao Paulo Capela, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Carvalho (2007) Synthesis and cyclic voltammetry studies of 3,4- methylenedioxymethamphetamine (MDMA) human metabolites. *Journal of Health Science* 53(1):31-42.
82. Renata Silva, Silvia Boldt, Vera Marisa Costa, Helena Carmo, Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Francisco Lemos-Amado, Fernando Remiao (2007) Evaluation of GSH adducts of adrenaline in biological samples. *Biomedical Chromatography* 21(7):670-679.
83. Ricardo Jorge Dinis-Oliveira, Carla Sousa, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) Full survival of paraquat-exposed rats after treatment with sodium salicylate. *Free Radical Biology and Medicine* 42:1017-1028.
84. Manuela Faria Frasco, Jacques-Philippe Colletier, Martin Weik, Felix Carvalho, Lucia Guilhermino, Jure Stojan, and Didier Fournier (2007) Mechanisms of cholinesterase inhibition by inorganic mercury. *FEBS Journal* 274:1849-1861.
85. Ricardo Jorge Dinis-Oliveira, Carla Sousa, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) Sodium salicylate prevents paraquat-induced apoptosis in the rat lung. *Free Radical Biology and Medicine* 43(1):48-61.
86. Joao Paulo Capela, Carla Macedo, Paula Serio Branco, Luisa Maria Ferreira, Ana Maria Lobo, Eduarda Fernandes, Fernando Remiao, Maria Lourdes Bastos, Andreas Meisel, Felix Carvalho (2007) Neurotoxicity mechanisms of thioether ecstasy metabolites. *Neuroscience* 146(4):1743-1757.
87. Marco Assuncao, Maria Joao Santos-Marques, Victor de Freitas, Felix Carvalho, Nikolai V.

- Lukoyanov, Manuel Paula-Barbosa (2007) Red wine antioxidants protect hippocampal neurons against ethanol-induced damage: A biochemical, morphological and behavioral study. *Neuroscience* 146(4):1581-1592.
88. Joao Paulo Capela, Eduarda Fernandes, Fernando Remiao, Maria de Lourdes Bastos, Ulrich Dirnagl, Andreas Meisel, Felix Carvalho (2007) Ecstasy induces apoptosis via 5-HT<sub>2A</sub>-receptor stimulation in cortical neurons. *Neurotoxicology* 28: 868-875.
89. Felix Carvalho, Maria Elisa Soares, Eduarda Fernandes, Fernando Remiao, Marcia Carvalho, Jose Alberto Duarte, Ricardo Pires-das-Neves, Maria de Lourdes Pereira, Maria de Lourdes Bastos (2007) Repeated administration of d-amphetamine results in a time-dependent and dose-independent sustained increase in urinary excretion of p-hydroxy-amphetamine in mice. *Journal of Health Science* 53(4):371-377.
90. Vera Costa, Renata Silva, Luisa Ferreira, Paula Branco, Felix Carvalho, Maria de Lourdes Bastos, Rui Carvalho, Marcia Carvalho, Fernando Remiao (2007) Oxidation process of adrenaline in freshly isolated rat cardiomyocytes: Formation of adrenochrome, quinoproteins, and GSH adduct. *Chemical Research in Toxicology* 20(8):1183-1191.
91. Ema Alves, Teresa Summavielle, Cecilia Juliana Alves, Joana Gomes-da-Silva, Jose Custodio Barata, Eduarda Fernandes, Maria de Lourdes Bastos, Maria Amelia Tavares, Felix Carvalho (2007) Monoamine oxidase-B mediates ecstasy-induced neurotoxic effects to adolescent rat brain mitochondria. *Journal of Neuroscience* 27(38):10203-10210.
92. Maria Jose de Jesus Valle, Ricardo Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos, Amparo Sanchez Navarro (2008) Toxicological evaluation of lactose and chitosan delivered by inhalation. *Journal of Biomaterials Science. Polymers Edition* 19(3):387-397.
93. Ricardo Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2008) Paraquat poisonings: Mechanisms of lung toxicity, clinical features, and treatment. *Critical Reviews in Toxicology* 38:13-71.
94. Bruno Nunes, Margarida Cardoso, Felix Carvalho, Lucia Guilhermino (2008) The microalga *Tetraselmis chuii* (Chlorophyceae) in ecotoxicology: Culture conditions and growth model. *Fresenius Environmental Bulletin* 17(4):408-414.
95. Ana Rita Alvaro, Joao Martins, Ana Carina Costa, Eduarda Fernandes, Felix Carvalho, Antonio Francisco Ambrosio, Claudia Cavadas (2008) Neuropeptide Y protects retinal neural cells against cell death induced by ecstasy. *Neuroscience* 152: 97-105.
96. Miguel Angelo Lopes, Andreas Meisel, Felix Carvalho, Maria de Lourdes Bastos, Ulrich Dirnagl (2008) Doxorubicin induces biphasic neurotoxicity to rat cortical neurons. *Neurotoxicology* 29(2):286-293.
97. Bruno Nunes, Ana Rita Gaio, Felix Carvalho, Lucia Guilhermino (2008) Behaviour and biomarkers of oxidative stress in *Gambusia holbrooki* after acute exposure to widely used pharmaceuticals and a detergent. *Ecotoxicology and Environmental Safety* 71(2):341-354.
98. Helena Pontes, Maria Joao Santos-Marques, Eduarda Fernandes, Jose Alberto Duarte, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2008) Effect of chronic ethanol exposure on the hepatotoxicity of ecstasy in mice: an ex vivo study. *Toxicology In Vitro* 22(4):910-920.
99. Helena Pontes, Marcia Carvalho, Paula Guedes de Pinho, Helena Carmo, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2008) Ethanol, the forgotten artifact in cell culture. *Archives of Toxicology* 82(3):197-198.
100. Marco Assuncao, Maria J. Santos-Marques, Felix Carvalho, Jose Paulo Andrade, Manuel Paula-Barbosa (2008) Modulation of rat cerebellum oxidative status by prolonged red wine consumption. *Addiction Biology* 13(3-4):337-44.
101. Teresa Sousa, Dora Pinho, Manuela Morato, Eduarda Fernandes, Felix Carvalho, Antonio Albino-Teixeira (2008) Role of superoxide and hydrogen peroxide in hypertension induced by an antagonist of adenosine receptors. *European Journal of Pharmacology* 588(2-3):267-276.
102. Jorge P Pinto, Sara Ribeiro, Helena Pontes, Shifaa Thowfeeq, David Tosh, Felix Carvalho, Graca Porto (2008) Erythropoietin mediates hepcidin expression in hepatocytes through EPOR signaling and regulation of C/EBP. *Blood* 111(12):5727-5733.
103. Ricardo Dinis-Oliveira, Paula Pinho, Antonio Ferreira, Artur Silva, Carlos Afonso, Maria Lourdes Bastos, Fernando Remiao, Jose Duarte, Felix Carvalho (2008) Reactivity of paraquat with sodium salicylate: formation of stable complexes. *Toxicology* 249(2-3):130-139.
104. Joao Paulo Capela, Marion Lautenschlager, Ulrich Dirnagl, Maria de Lourdes Bastos, Felix Carvalho, Andreas Meisel (2008) 5,7-Dihydroxytryptamine toxicity to serotonergic neurons in serum free raphe cultures. *European Journal of Pharmacology* 588(2-3):232-238.
105. Manuela Faria Frasco, J Didier Fournier, Felix Carvalho, Lucia Guilhermino (2008) Does

mercury interact with the inhibitory effect of dichlorvos on *Palaemon serratus* (Crustacea: Decapoda) cholinesterase? *Science of the Total Environment* 404(1):88-93.

106. Helena Pontes, Jose Alberto Duarte, Paula Guedes de Pinho, Maria Elisa Soares, Eduarda Fernandes, Ricardo Dinis-Oliveira, Carla Sousa, Renata Silva, Helena Carmo, Susana Casal, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos (2008) Chronic exposure to ethanol exacerbates MDMA-induced hyperthermia and exposes liver to severe MDMA-induced toxicity in CD1 mice. *Toxicology* 252(1-3):64-71.

107. Helena Pontes, Carla Sousa, Renata Silva, Eduarda Fernandes, Helena Carmo, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2008) Synergistic toxicity of ethanol and MDMA towards primary cultured rat hepatocytes. *Toxicology* 254(1-2):42-50.

108. Ricardo Jorge Dinis-Oliveira, Helena Pontes, Maria de Lourdes Bastos, Fernando Remiao, Jose Alberto Duarte, Felix Carvalho (2009) An effective antidote for paraquat poisonings: the treatment with lysine acetylsalicylate. *Toxicology* 255(3):187-193.

109. Vera Marisa Costa, Luisa Ferreira, Paula Branco, Felix Carvalho, Maria de Lourdes Bastos, Rui Albuquerque Carvalho, Marcia Carvalho, Fernando Remiao (2009) Cross-functioning between the extraneuronal monoamine transporter and multidrug resistance protein 1 in the uptake of adrenaline and export of 5-(glutathion-S-yl)adrenaline in rat cardiomyocytes. *Chemical Research in Toxicology* 22(1):129-135.

110. Ema Alves, Zbigniew Binienda, Felix Carvalho, Cecilia Juliana Alves, Eduarda Fernandes, Maria de Lourdes Bastos, Maria Amelia Tavares, Teresa Summavielle (2009) Acetyl-L-carnitine provides effective in vivo neuroprotection over MDMA-induced mitochondrial neurotoxicity in the adolescent rat brain. *Neuroscience* 158(2):514-523.

111. Ema Alves, Teresa Summavielle, Cecilia Juliana Alves, Jose Barata Custodio, Eduarda Fernandes, Maria de Lourdes Bastos, Maria Amelia Tavares, Felix Carvalho (2009) Ecstasy-induced oxidative stress to adolescent rat brain mitochondria in vivo: Influence of monoamine oxidase type A. *Addiction Biology* 14:185-193.

112. Helena Pontes, Paula Guedes de Pinho, Susana Casal, Agostinho Santos, Teresa Magalhaes, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2009) GC determination of acetone, acetaldehyde, ethanol, and methanol in biological matrices and cell culture. *Journal of Chromatographic Science* 47(4):272-278.

113. Joao Capela, Helena Carmo, Fernando Remiao, Maria Lourdes Bastos, Andreas Meisel, Felix Carvalho (2009) Molecular and cellular mechanisms of ecstasy-induced neurotoxicity: An overview. *Molecular Neurobiology* 39(3):210-71.

114. Sylvia K. Shenouda, Pamela A. Lucchesi, Felix Carvalho, Kurt J. Varner (2009) Metabolites of MDMA induce oxidative stress and contractile dysfunction in adult rat left ventricular myocytes. *Cardiovascular Toxicology* 9:30-38.

115. Vera Marisa Costa, Renata Silva, Rita Ferreira, Francisco Amado, Felix Carvalho, Maria de Lourdes Bastos, Rui Albuquerque Carvalho, Marcia Carvalho, Fernando Remiao (2009) Adrenaline in pro-oxidant conditions elicits intracellular survival pathways in isolated rat cardiomyocytes. *Toxicology* 257:70-79.

116. Vera Costa, Renata Silva, Ludgero C Tavares, Rui Vitorino, Francisco Amado, Felix Carvalho, Maria Lourdes Bastos, Marcia Carvalho, Rui A Carvalho, Fernando Remiao (2009) Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. *Toxicology* 260:84-96.

117. Ricardo Jorge Dinis-Oliveira, Teresa Magalhaes, Felix Carvalho, Agostinho Santos (2009) A cocaine body packer case report: Clinical and forensic aspects. *Clinical Toxicology* 47:590-591.

118. Marco Assuncao, Maria J. Santos-Marques, Rosario Monteiro, Isabel Azevedo, Jose Paulo Andrade, Felix Carvalho, Maria Joao Martins (2009) Red wine protects against ethanol-induced oxidative stress in rat liver. *Journal of Agricultural and Food Chemistry* 57:6066-6073.

119. Carla Sousa, Helena Pontes, Helena Carmo, Ricardo Dinis-Oliveira, Patricia Valentao, Paula B. Andrade, Fernando Remiao, Maria Lourdes Bastos, Felix Carvalho (2009) Water extracts of *Brassica oleracea* var. *costata* potentiate paraquat hepatotoxicity in vitro. *Toxicology in vitro* 23(6):1131-1138.

120. Felix Carvalho (2009) How bad is accelerated senescence in consumers of drugs of abuse? *Adicciones* 21(2):99-104.

121. Susana J. Oliveira, Jorge P. Pinto, Goncalo Picarote, Vera M. Costa, Felix Carvalho, Jorge E. Azevedo, Maria de Sousa and Sergio F. de Almeida (2009) ER stress-inducible factor CHOP affects the expression of hepcidin by modulating C/EBPalpha activity. *PLoS ONE* 4(8):e6618.

122. Ricardo Dinis-Oliveira, Paula Guedes de Pinho, Liliana Santos, Helena Teixeira, Teresa

- Magalhaes, Agostinho Santos, Maria Bastos, Fernando Remiao, Jose Duarte, Felix Carvalho (2009) Postmortem analyses unveil the poor efficacy of decontamination, anti-inflammatory and immunosuppressive therapies in paraquat human intoxications. *PLoS ONE* 4(9):e7149.
123. Jorge Pereira Pinto, Vera Dias, Heinz Zoller, Graca Porto, Helena Carmo, Felix Carvalho, Maria de Sousa (2010) Hepcidin messenger RNA expression in human lymphocytes. *Immunology* 130(2):217-230.
124. Marco Assuncao, Maria Joao Santos-Marques, Felix Carvalho, Jose P. Andrade (2010) Green tea averts age-dependent decline of hippocampal signaling systems related to antioxidant defenses and survival. *Free Radical Biology and Medicine* 48(6):831-838.
125. Helena Pontes, Paula Guedes de Pinho, Eduarda Fernandes, Helena Carmo, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2010) Metabolic interactions between ethanol and MDMA in primary cultured rat hepatocytes. *Toxicology* 270:150-157.
126. Daniel Gomes da Silva, Paula Guedes de Pinho, Helena Pontes, Luisa Ferreira, Paula Branco, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos, Helena Carmo (2010) Gas chromatography-ion trap mass spectrometry method for the simultaneous measurement of MDMA (ecstasy) and its metabolites, MDA, HMA, and HMMA in plasma and urine. *Journal of Chromatography B* 878:815-822.
127. Jose B. A. Custodio, Maria S. Santos, Dalia I.R. Goncalves, Antonio J.M. Moreno, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Carvalho, Joaquim A. F. Vicente, Maria A. S. Fernandes (2010) Comparative effects of 3,4-methylenedioxymethamphetamine and 4-methylthioamphetamine on rat liver mitochondrial function. *Toxicology* 270:99-105.
128. Marcia Carvalho, Helena Pontes, Maria de Lourdes Bastos, Felix Carvalho (2010) Mechanisms underlying the hepatotoxic effects of ecstasy. *Current Pharmaceutical Biotechnology* 11:476-495.
129. Sylvia K. Shenouda, Felix Carvalho and Kurt J. Varner (2010) The cardiovascular and cardiac actions of ecstasy and its metabolites. *Current Pharmaceutical Biotechnology* 11:470-475.
130. Luciana Grazziotin Rossato, Paula Guedes de Pinho, Renata Silva, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos, Vera Marisa Costa, Fernando Remiao (2010) Development and validation of a GC/IT-MS method for simultaneous quantitation of para and meta-syneprine in biological samples. *Journal of Pharmaceutical and Biomedical Analysis* 52:721-726.
131. Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Teresa Magalhaes, Agostinho Santos (2010) Postmortem changes in carbon monoxide poisoning. *Clinical Toxicology* 48(7):762-763.
132. Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Ricardo Dias, Teresa Magalhaes, Agostinho Santos (2010) Suicide by hanging under the influence of ketamine and ethanol. *Forensic Science International* 202(1-3):e23-e27.
133. Ricardo Jorge Dinis-Oliveira, Ines Caldas, Felix Carvalho, Teresa Magalhaes (2010) Bruxism after 3,4-methylenedioxymethamphetamine (ecstasy) abuse. *Clinical Toxicology* 48(8):863-864.
134. Ricardo J. Dinis-Oliveira, Felix Carvalho, Jose Alberto Duarte, Fernando Remiao, Agostinho Santos, Teresa Magalhaes (2010) Collection of biological samples in forensic toxicology. *Toxicology Mechanisms and Methods* 20(7):363-414.
135. Maria Joao Valente, Paula Guedes de Pinho, Felix Carvalho, Maria de Lourdes Bastos, Marcia Carvalho (2010) Development and validation of a gas chromatography/ion trap-mass spectrometry method for simultaneous quantification of cocaine and its metabolites benzoylecgonine and norcocaine: Application to the study of cocaine metabolism in human primary cultured renal cells. *Journal of Chromatography B* 878:3083-3088.
136. Karsten Ruscher, Eduarda Fernandes, Joao Capela, Maria de Lourdes Bastos, Tadeusz W. Wieloch, Ulrich Dirnagl, Andreas Meisel, Felix Carvalho (2011) Effect of 3,4-methylenedioxyamphetamine on dendritic spine dynamics in rat neocortical neurons - Involvement of heat shock protein 27. *Brain Research* 1370:43-52.
137. Marta Correia-da-Silva, Emilia Sousa, Barbara Duarte, Franklim Marques, Felix Carvalho, Luis M. Cunha-Ribeiro, Madalena M. M. Pinto (2011) Flavonoids with an oligopolysulfated moiety: A new class of anticoagulant agents. *Journal of Medicinal Chemistry* 54:95-106.
138. Miguel Angelo Lopes. Andreas Meisel, Felix Dias Carvalho, Maria de Lourdes Bastos (2011) Neuronal nitric oxide synthase is a key factor in doxorubicin-induced toxicity to rat-isolated cortical neurons. *Neurotoxicity Research* 19(1):14-22.
139. Luciana Grazziotin Rossato, Vera Marisa Costa, Paula Guedes Pinho, Felix Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2011) Structural isomerization of synephrine influences its uptake and ensuing glutathione depletion in rat-isolated cardiomyocytes. *Archives of Toxicology* 85(8):929-39.
140. Renata Silva, Helena Carmo, Ricardo Dinis-Oliveira, Anabela Cordeiro-da-Silva, Sofia Costa

- Lima, Felix Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2011) In vitro study of P-glycoprotein induction as an antidotal pathway to prevent cytotoxicity in Caco-2 cells. *Archives of Toxicology*. 85(4): 315-326.
141. Marco Assuncao, Maria Joao Santos-Marques, Felix Carvalho, Nikolai V. Lukoyanov, Jose P. Andrade (2011) Chronic green tea consumption prevents age-related changes in rat hippocampal formation. *Neurobiology of Aging*. 32(4): 707-717.
142. Patty Nooijen, Felix Carvalho, Robert Flanagan (2011) Haematological Toxicity of Clozapine and Other Drugs Used in Psychiatry: An Update. *Human Psychopharmacology: Clinical and Experimental* 26(2): 112-119.
143. Vera Marisa Costa, Felix Carvalho, Maria Lourdes Bastos, Rui Albuquerque Carvalho, Marcia Carvalho, Fernando Remiao (2011) Contribution of catecholamine reactive intermediates and oxidative stress to the pathologic features of heart diseases. *Current Medicinal Chemistry* 18(15): 2272-314.
144. Maria Joao Valente, Rui Henrique, Vera Costa, Carmen Jeronimo, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho, Marcia Carvalho (2011) A rapid and simple procedure for the establishment of human normal and cancer renal primary cell cultures from surgical specimens. *PLoS ONE*, 6(5): e19337.
145. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Jose Alberto Duarte, Maria de Lourdes Bastos, Felix Carvalho (2011) Antioxidant properties and associated mechanisms of salicylates. *Current Medicinal Chemistry* 18 (21): 3252-3264.
146. Marta Correia-da-Silva, Emilia Sousa, Barbara Duarte, Franklim Marques, Felix Carvalho, Luis M. Cunha-Ribeiro, Madalena M. M. Pinto (2011) Polysulfated xanthenes: multipathway development of a new generation of dual anticoagulant/antiplatelet agents. *Journal of Medicinal Chemistry* 54 (15) :5373-5384.
147. Filipa Ponte, Felix Carvalho, Beatriz Porto (2011) Protective effect of acetyl-L-carnitine and -lipoic acid against the acute toxicity of diepoxybutane to human lymphocytes. *Archives of Toxicology* 289 (1):52-58
148. Joao Martins, Miguel Castelo-Branco, Ana Batista, Barbara Oliveiros, Ana Raquel Santiago, Joana Galvao, Eduarda Fernandes, Felix Carvalho, Claudia Cavadas and Antonio F. Ambrosio (2011) Effects of 3,4-Methylenedioxymethamphetamine Administration on Retinal Physiology in the Rat. *PLoS ONE* 6(12): e29583.
149. Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Jose Alberto Duarte, Jorge Brandao Proenca, Agostinho Santos, Teresa Magalhaes (2012) Clinical and forensic signs related to cocaine abuse. *Current Drug Abuse Reviews*. 5(1):64-83.
150. Daniel Jose Barbosa, Joao Paulo Capela, Jorge M. A. Oliveira, Renata Silva, Luisa Maria Ferreira, Filipa Siopa, Paula Serio Branco, Eduarda Fernandes, Jose Alberto Duarte, Maria de Lourdes Bastos and Felix Carvalho (2012) Pro-oxidant effects of Ecstasy and its metabolites in mouse brain synaptosomes. *British Journal of Pharmacology*, 165 (4b): 1017-1033.
151. Pedro Nuno Moreira, Paula Guedes de Pinho, Maria Teresa Baltazar, Maria Lourdes Bastos, Agostinho Santos, Teresa Magalhaes, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2012) Quantification of paraquat in postmortem samples by gas chromatography-ion trap mass spectrometry and review of literature. *Biomedical Chromatography* 26: 338-349.
152. Maria Joao Valente, Rui Henrique, Vania Vilas Boas, Renata Silva, Maria de Lourdes Bastos, Felix Carvalho, Paula Guedes de Pinho, Marcia Carvalho (2012) Cocaine-induced kidney toxicity: an in vitro study using primary cultured human proximal tubular epithelial cells. *Archives of Toxicology* 86(2):249-861.
153. Marcia Carvalho, Helena Carmo, Vera Costa, Joao Capela, Helena Pontes, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2012) Toxicity of amphetamines: an update. *Archives of Toxicology*. 86(8):1167-231.
154. Teresa Sousa, Sofia Oliveira, Joana Afonso, Manuela Morato, Daniela Patinha, Sonia Fraga, Felix Carvalho, Antonio Albino-Teixeira (2012) Role of H<sub>2</sub>O<sub>2</sub> in hypertension, renin-angiotensin system activation and renal medullary dysfunction caused by angiotensin II. *British Journal of Pharmacology*. 166(8):2386-2401.
155. Filipa Ponte, Rosa Sousa, Ana Paula Fernandes, Cristina Goncalves, Jose Barbot, Felix Carvalho and Beatriz Porto (2012) Improvement of genetic stability in lymphocytes from Fanconi Anemia patients through the combined effect of -lipoic acid and N-acetylcysteine. *Orphanet Journal of Rare Diseases*. 7:28. - Considered and 'Highly accessed' article by BIOMED Central (articles that has been especially highly accessed, relative to their age, and the journal in which it was published).



156. Carla Alexandra Gouveia, Ana Oliveira, Sandra Pinho, Carlos Vasconcelos, Felix Carvalho, Roxana Falcao Moreira, Ricardo Jorge Dinis-Oliveira (2012) Simultaneous quantification of morphine and cocaine in hair samples from drug addicts by GC-EI/MS. *Biomedical Chromatography* 26(8):1041-1047.
157. Maria Joao Valente, Paula Guedes, Felix Carvaho, Maria de Lourdes Bastos, Marcia Carvalho (2012) Contribution of oxidative metabolism to cocaine-induced liver and kidney damage. *Current Medicinal Chemistry*. 19 (33): 5601-5606.
158. Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Roxana Moreira, Jose Alberto Duarte, Jorge Brandao Proenca, Agostinho Santos, Teresa Magalhaes (2012) Clinical and forensic signs related to opioids abuse *Current Drug Abuse Reviews* 5(4): 273-290.
159. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Jose Alberto Duarte, Maria de Lourdes Bastos, Felix Carvalho (2013) Paraquat research. Do recent advances in limiting its toxicity make its use safer? *British Journal of Pharmacology* 168: 44-45.
160. Joao Paulo Capela, Silvana Costa Araujo, Vera Marisa Costa, Karsten Ruscher, Eduarda Fernandes, Maria Lourdes Bastos, Ulrich Dirnagl, Andreas Meisel, Felix Carvalho (2013) Hallucinogenic amphetamines neurotoxicity in primary cultures of hippocampal neurons. *Neurotoxicology* 34: 254-263.
161. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Lucia Guilhermino, Maria de Lourdes Bastos, Jose Alberto Duarte, Felix Carvalho (2013) New formulation of paraquat with lysine acetylsalicylate with low mammalian toxicity and effective herbicidal activity. *Pest Management Science* 69 (4):553-558.
162. Patricia Silva Ferreira, Tiago Bernardes Nogueira, Vera Marisa Costa, Paula Serio Branco, Luisa Maria Ferreira, Eduarda Fernandes, Maria Lourdes Bastos, Andreas Meisel, Felix Carvalho and Joao Paulo Capela (2013) Neurotoxicity of "ecstasy" and its metabolites in human dopaminergic differentiated SH-SY5Y cells. *Toxicology Letters* 216 (2-3): 159-170.
163. Renata Silva, Helena Carmo, Vania Vilas-Boas, Paula Guedes de Pinho, Ricardo Dinis-Oliveira, Felix Carvalho, Isabel Silva, Paulo Correia-de-Sa, Maria de Lourdes Bastos and Fernando Remiao (2013) Doxorubicin decreases Paraquat accumulation and toxicity in Caco-2 cells. *Toxicology Letters* 217 (1): 34-41.
164. Fernanda Sampaio-Silva; Teresa Magalhaes; Felix Carvalho; Ricardo Dinis-Oliveira; Ricardo Silvestre (2013) Profiling of RNA degradation for accurate determination of Post Mortem interval. *PLoS ONE*. 8(2):e56507.
165. Joao Barbosa Martins, Maria de Lourdes Bastos, Felix Carvalho, and Joao Paulo Capela (2013) Differential Effects of Methyl-4-Phenylpyridinium Ion, Rotenone and Paraquat to Differentiated SH-SY5Y Cells. *Journal of Toxicology*, Article ID 347312, 10 pages.
166. Sandra Pinho, Isabel Costa, Ana Oliveira, Carla Alexandra Gouveia, Felix Carvalho, Roxana Falcao Moreira, Ricardo Jorge Dinis-Oliveira (2013) Simultaneous quantification of tramadol and O-desmethyltramadol in hair samples by gas chromatography-electron impact/mass spectrometry. *Biomedical Chromatography* 27(8):1003-1011.
167. Jorge Rodrigues, Marco Assuncao, Nikolay Lukoyanov, Armando Cardoso, Felix Carvalho, Jose Paulo Andrade (2013) Multiple protective effects of a catechin-rich extract on the hippocampal formation of aging rats. *Behavioural Brain Research* 246 (2013) 94-102.
168. Joana Barbosa, Juliana Faria, Felix Carvalho, Madalena Pedro, Odilia Queiros, Roxana Moreira, Ricardo Jorge Dinis-Oliveira (2013) Hair as an alternative matrix in bioanalysis. *Bioanalysis* 5 (8) 895-914.
169. Marisa Freitas, Vera Costa, Graca Porto, Felix Carvalho, Eduarda Fernandes (2013) Acetaminophen prevents oxidative burst and delays apoptosis in human neutrophils. *Toxicology Letters* 219: 170-177.
170. Rosa Sousa, Filipa Ponte, Sara Teixeira, Lara Andrade, Cristina Goncalves, Jose Barbot, Jorge Coutinho, Felix Carvalho and Beatriz Porto (2013) Fosfomicin increases chromosome instability in lymphocytes from Fanconi Anemia patients. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, 754(1-2):58-62.
171. Vania Vilas-Boas, Renata Silva, Claudia Nunes, Marlene Lucio, Salette Reis, Luisa Ferreira, Paula Branco, Felix Carvalho, Maria de Lourdes Bastos and Fernando Remiao (2013) Mechanisms of P-gp inhibition and effects on membrane fluidity of a new rifampicin derivative, 1,8-dibenzoyl-rifampicin. *Toxicology Letters*, 220 (3) 259-266.
172. Vania Vilas-Boas; Renata Silva; Andreia Palmeira; Emilia Sousa; Luisa Ferreira; Paula Branco; Felix Carvalho; Maria de Lourdes Bastos; Fernando Remiao (2013) Development of novel

rifampicin-derived P-glycoprotein activators/ inducers. Synthesis, in silico analysis and application in the RBE4 cell model, using paraquat as substrate. *PLoS ONE*, 8(8):e74425.

173. Isabel Costa, Ana Oliveira, Paula Guedes de Pinho, Roxana Moreira, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2013) Postmortem redistribution of tramadol and o-desmethyltramadol. *Journal of Analytical Toxicology*, 37(9): 670-675.

174. Vera Marisa Costa, Felix Carvalho, Jose Alberto Duarte, Maria de Lourdes Bastos, and Fernando Remiao (2013) The heart as a target for xenobiotic toxicity: the cardiac susceptibility to oxidative stress. *Chemical Research in Toxicology*, 26(9):1285-311. Este artigo foi seleccionado para destaque na capa da revista da edicao de Setembro de 2013.

175. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Alexandra Martins, Maria de Lourdes Bastos, Jose Alberto Duarte, Lucia Guilhermino and Felix Carvalho (2013) The presence of lysine acetylsalicylate increases the safety of a paraquat formulation to freshwater primary producers: a case study with the microalga *Chlorella vulgaris*. *Aquatic Toxicology*, 146C:137-143.

176. Diana Dias da Silva, Elisabete Silva, Felix Carvalho, Helena Carmo (2014) Mixtures of 3,4-methylenedioxymethamphetamine (ecstasy) and its major human metabolites act additively to induce significant toxicity to liver cells when combined at low, non-cytotoxic concentrations. *Journal of Applied Toxicology*, 34(6):618-27.

177. Vania Vilas-Boas, Renata Silva, Paula Guedes-de-Pinho, Felix Carvalho, Maria de Lourdes Bastos and Fernando Remiao (2014) RBE4 cells are highly resistant to paraquat-induced cytotoxicity - studies on uptake and efflux mechanisms. *Journal of Applied Toxicology*, 34(9):1023-1030.

178. Daniel Jose Barbosa, Joao Paulo Capela, Renata Silva, Vania Vilas-Boas, Luisa Ferreira, Paula Serio Branco, Eduarda Fernandes, Maria de Lourdes Bastos, and Felix Carvalho (2014) The mixture of ecstasy and its metabolites is toxic to human SH-SY5Y differentiated cells, at in vivo relevant concentrations. *Archives of Toxicology*, 88: 455 - 473.

179. Luis Miguel Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Paula Baptista, Nathalie Moreira, Ana Rita Monforte, Antonio Cesar da Silva Ferreira, Paula Guedes de Pinho (2014) Application of Gas Chromatography-Mass Spectrometry for targeted and non-targeted analysis in wild toxic and edible mushrooms. *Talanta*, 118: 292-303.

180. Daniel Jose Barbosa, Joao Paulo Capela, Renata Silva, Luisa Ferreira, Paula Serio Branco, Eduarda Fernandes, Maria de Lourdes Bastos, and Felix Carvalho (2014) Ecstasy-induced toxicity in SH-SY5Y differentiated cells: role of hyperthermia and metabolites and their stability under normothermic and hyperthermic conditions. *Archives of Toxicology*, 88:515 -531.

181. Ana Oliveira, Ricardo Jorge Dinis-Oliveira, Augusto Nogueira, Andreia Azevedo, Ferraz Goncalves, Paula Silva, Felix Carvalho, Rui Medeiros (2014) Genetic profile and cancer-related pain: a tale from two outlier cases with bone metastatic disease. *Pain Medicine*, 15(4):710-712.

182. Maria Joao Valente, Paula Guedes de Pinho, Maria de Lourdes Bastos, Felix Carvalho, Marcia Carvalho (2014) Khat and synthetic cathinones: a review. *Archives of Toxicology*, 88:15 - 45.

183. Ricardo Jorge Dinis-Oliveira, Teresa Magalhaes, Roxana Moreira, Jorge Brandao Proenca, Helena Pontes, Agostinho Santos, Jose Alberto Duarte, Felix Carvalho (2014) Clinical and forensic signs related to ethanol abuse: a mechanistic approach. *Toxicology Mechanisms and Methods*, 24 (2) 81-110.

184. Diana Couto, Marisa Freitas, Vania Vilas-Boas, Irene Dias, Graca Porto, M. Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Felix Carvalho, Eduarda Fernandes (2014) Interaction of polyacrylic acid coated and non-coated iron oxide nanoparticles with human neutrophils. *Toxicology Letters*, 225: 57- 65.

185. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Maria de Lourdes Bastos, Aristidis M. Tsatsakis, Jose Alberto Duarte, Felix Carvalho (2014) Pesticides exposure as etiological factors of Parkinson's Disease and other neurodegenerative diseases - a mechanistic approach. *Toxicology Letters*, 230(2):85-103.

186. Ana Oliveira, Felix Carvalho, Paula Guedes Pinho, Fernando Remiao, Rui Medeiros, Ricardo Jorge Dinis-Oliveira (2014) Quantification of morphine and its major metabolites M3G and M6G in antemortem and postmortem samples. *Biomedical Chromatography*, 28 (9): 1263-1270.

187. Daniel Jose Barbosa, Roman Serrat, Serena Mirra, Marti Quevedo, Elena Gomez de Barreda, Jesus Avila, Eduarda Fernandes, Maria de Lourdes Bastos, Joao Paulo Capela, Felix Carvalho, and Eduardo Soriano (2014) MDMA impairs mitochondrial neuronal trafficking in a Tau- and Mitofusin2/Drp1-dependent manner. *Archives of Toxicology*, 88(8):1561-1572.

188. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Maria de Lourdes Bastos, Jose Alberto Duarte, Felix Carvalho (2014) Lysine acetylsalicylate improves the safety of paraquat formulation in rats, by increasing its elimination, and preventing lung and kidney injury. *Toxicology Research*, 3:

189. Daniel Jose Barbosa, Roman Serrat, Serena Mirra, Marti Quevedo, Elena Gomez de Barreda, Jesus Avila, Luisa Maria Ferreira, Paula Serio Branco, Eduarda Fernandes, Maria de Lourdes Bastos, Joao Paulo Capela, Eduardo Soriano, and Felix Carvalho (2014) The mixture of "ecstasy" and its metabolites impairs mitochondrial fusion/fission equilibrium and trafficking in hippocampal neurons, at in vivo relevant concentrations. *Toxicological Sciences*, 139 (2):407-420.
190. Marta Reina-Couto, Jorge Carvalho, Maria Joao Valente, Luis Vale, Joana Afonso, Felix Carvalho, Paulo Bettencourt, Teresa Sousa, and Antonio Albino-Teixeira (2014) Impaired resolution of inflammation in human chronic heart failure. *European Journal of Clinical Investigation*, 44 (6): 527-38.
191. Helena Campanha, Felix Carvalho, Paul Schlosser (2014) Active and peripheral anionic sites of acetylcholinesterase have differential modulation effects on cell proliferation, adhesion and neuritogenesis in the ng108-15 cell line. *Toxicology Letters*, 230(2):122-131.
192. Ana Oliveira, Ricardo Jorge Dinis-Oliveira, Augusto Nogueira, Ferraz Goncalves, Paula Silva, Claudia Vieira, Ricardo Silvestre, Felix Carvalho, Rui Medeiros (2014) Interleukin-1 Genotype and Circulating Levels in Cancer Patients: Metastatic Status and Pain Perception. *Clinical Biochemistry*, 47 (13-14):1209-1213.
193. Renata Silva, Helena Carmo, Vania Vilas-Boas, Daniel Barbosa, Palmeira A, Emilia Sousa, Felix Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2014) Colchicine effect on P-glycoprotein expression and activity: in silico and in vitro studies. *Chemico-Biological Interactions*, 218: 50-62.
194. Juliana Garcia, Alexandra T.P. Carvalho, Daniel F.A.R. Dourado, Paula Baptista, Maria de Lourdes Bastos, Felix Carvalho (2014) New in silico insights into the inhibition of RNA polymerase II by -amanitin and the protective effect mediated by effective antidotes. *Journal of Molecular Graphics and Modelling*, 51C:120-127.
195. Ana Oliveira, Dora Pinho, Antonio Albino-Teixeira, Rui Medeiros, Ricardo Jorge Dinis-Oliveira, Felix Carvalho (2014) Morphine glucuronidation increases its analgesic effect in guinea-pigs. *Life Sciences*, 109(2):104-110.
196. Daniel Jose Barbosa, Roman Serrat, Luisa Maria Ferreira, Paula Serio Branco, Maria de Lourdes Bastos, Joao Paulo Capela, Eduardo Soriano, and Felix Carvalho (2014) Neuronal mitochondrial trafficking impairment: the cause or a consequence of neuronal dysfunction caused by amphetamine-like drugs. *Journal of Drug and Alcohol Research*, 3 art235868.
197. Tiago Bernardes Nogueira, Silvana da Costa Araujo, Felix Carvalho, Frederico C. Pereira, Eduarda Fernandes, Maria Lourdes Bastos, Vera Marisa Costa and Joao Paulo Capela (2014) Modelling chronic brain exposure to amphetamines using primary rat neuronal cortical cultures. *Neuroscience*, 277C: 417-434.
198. Fernando Xavier Moreira, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho (2014) Analytical investigation of legal high products containing *Salvia divinorum* traded in smartshops and internet. *Forensic Science International*, 242C:255-260.
199. Ana Margarida Araujo, Maria Joao Valente, Marcia Carvalho, Diana Dias da Silva, Helena Gaspar, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho (2015) Raising awareness of new psychoactive substances: chemical analysis and in vitro toxicity screening of 'legal high' packages containing synthetic cathinones. *Archives of Toxicology*, 89(5):757-71.
200. Diana Couto, Marisa Freitas, Graca Porto, M. Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Felix Carvalho, Eduarda Fernandes (2015) Polyacrylic acid-coated and non-coated iron oxide nanoparticles induce cytokine activation in human blood cells through TAK1, p38 MAPK and JNK pro-inflammatory pathways. *Archives of Toxicology*. 89(10):1759-69.
201. Renata Silva, Vania Vilas-Boas, Helena Carmo, Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Maria de Lourdes Bastos and Fernando Remiao (2015) Induction and activation of P-glycoprotein efflux pump as a therapeutic strategy. *Pharmacology and Therapeutics* 149:1-123.
202. Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Roxana Moreira, Jorge Brandao Proenca, Agostinho Santos, Jose Alberto Duarte, Maria de Lourdes Bastos, Teresa Magalhaes (2015) Clinical and forensic signs related to chemical burns: a mechanistic approach. *Burns*, 41(4):658-679.
203. Daniel Jose Barbosa, Joao Paulo Capela, Maria de Lourdes Bastos, Felix Carvalho (2015) In vitro models for neurotoxicology research. *Toxicology Research*, 4: 801-842.
204. Juliana Garcia, Ana Oliveira, Paula Guedes de Pinho, Victor Freitas, Alexandra Carvalho, Paula Baptista, Eric Pereira, Maria de Lourdes Bastos, Felix Carvalho (2015) Determination of Amatoxins and Phallotoxins in *Amanita phalloides* mushrooms from Northeast Portugal by HPLC-DAD-MS. *Mycologia* 107(4):679-87.

205. Armanda Teixeira-Gomes, Vera Marisa Costa, Rita Feio-Azevedo, Maria de Lourdes Bastos, Felix Carvalho and Joao Paulo Soares Capela (2015) The neurotoxicity of amphetamines during the adolescent period. *International Journal of Developmental Neuroscience* 41C:44-62.
206. Jose Luis Soares-Sousa, Jose A Duarte, Vitor Seabra, Maria de Lourdes Bastos, Felix Carvalho, Vera Costa (2015) The age factor for mitoxantrone's cardiotoxicity: multiple hits render the heart in adult mice more susceptible to injury. *Toxicology* 329:106-119.
207. Felix Carvalho, Eugene A Kiyatkin, Daniel E Rusyniak, Andrej A. Romanovsky (2015) Temperature in the spotlight of drug abuse research. *Temperature* 2:1, 27- 28.
208. Diana Couto; Rosa Sousa; Lara Andrade; Magdalena Leander; Arturo Lopez-Quintela; Jose Rivas; Paulo Freitas; Margarida Lima; Graca Porto; Beatriz Porto; Felix Dias Carvalho, Eduarda Fernandes (2015) Polyacrylic acid coated and non-coated iron oxide nanoparticles are not genotoxic to human T lymphocytes. *Toxicology Letters*, 234(2):67-73.
209. Emanuele Alves, Jean-Paul C. Grund, Carlos Manuel Afonso, Annibal Duarte Pereira Netto, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2015) The harmful chemistry behind krokodil (desomorphine). *Synthesis and mechanisms of toxicity. Forensic Science International*, 249: 207-213.
210. Daniel Jose Barbosa, Joao Paulo Capela, Rita Feio-Azevedo, Armanda Teixeira-Gomes, Maria de Lourdes Bastos, and Felix Carvalho (2015) Mitochondria: key players in the neurotoxic effects of amphetamines. *Archives of Toxicology*. 89(10):1695-725.
211. Emanuele Amorim Alves, Jose Xavier Soares, Carlos Manuel Afonso, Jean-Paul C. Grund, Ana Sofia Agonia, Sara Manuela Cravo, Annibal Duarte Pereira Netto, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2015) The chemistry behind "krokodil": street-like synthesis and product analysis forensic science international. *Forensic Science International* 257:76-82.
212. Diana Couto, Marisa Freitas, Felix Carvalho, Eduarda Fernandes (2015) Iron oxide nanoparticles: an insight into their biomedical applications. *Current Medicinal Chemistry*. 22 (15): 1808-1828.
213. Paula Silva, Eduarda Fernandes, Felix Carvalho (2015) Dual effect of red wine on liver redox status: a concise and mechanistic Review. *Archives of Toxicology*. 89(10):1681-93.
214. Ana Margarida Araujo, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho, Marcia Carvalho (2015) The hallucinogenic world of tryptamines: an updated review. *Archives of Toxicology*. 89(8):1151-1173.
215. Juliana Garcia, Vera Costa, Ana Elisa Costa, Sergio Andrade, Ana Cristina Carneiro, Filipe Conceicao, Jose Artur Paiva, Paula Guedes Pinho, Paula Baptista, Maria de Lourdes Bastos, Felix Carvalho (2015) Co-ingestion of amatoxins and isoxazoles-containing mushrooms and successful treatment: A case report. *Toxicon*, 103: 55-59.
216. Juliana Garcia, Vera M. Costa, Paula Baptista, Maria de Lourdes Bastos, Felix Carvalho (2015) Quantification of alpha-amanitin in biological samples by HPLC using simultaneous UV-diode array and electrochemical detection. *Journal of Chromatography B*, 997: 85-95.
217. Luis Gales, Ricardo Amorim, Carlos Manuel M. Afonso, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2015) Decreasing the toxicity of paraquat through the complexation with sodium salicylate: Stoichiometric analysis. *Toxicology* 336 (2015) 96 - 98.
218. Garcia J, Costa VM, Carvalho ATP, Baptista P, Guedes P, Bastos LM, Carvalho F. (2015) Amanita phalloides poisoning: mechanisms of toxicity and treatment. *Food and Chemical Toxicology* 86: 41-55.
219. Isabel Costa, Felix Carvalho, Teresa Magalhaes, Paula Guedes de Pinho, Ricardo Silvestre and Ricardo Jorge Dinis-Oliveira (2015) Promising blood-derived biomarkers for estimation of the postmortem interval. *Toxicology Research* 4: 1443-1452.  
Hot article in *Toxicology Research* 2015.
220. Juliana Garcia, Vera Costa, Alexandra Carvalho, Ricardo Silvestre, Jose Alberto Duarte, Daniel Dourado, Marcelo Arbo, Teresa Baltazar, Ricardo Dinis-Oliveira, Paula Baptista, Maria de Lourdes Bastos, Felix Carvalho (2015) A breakthrough on Amanita phalloides poisoning: an effective antidotal effect by polymyxin B. *Archives of Toxicology*. 89(12): 2305-2323.
221. Ricardo Jorge Dinis-Oliveira, Teresa Magalhaes, Odilia Queiros, Jorge Brandao Proenca, Roxana Moreira, Maria de Lourdes Bastos and Felix Carvalho. (2015) Signs and related mechanisms of ethanol hepatotoxicity. *Current Drug Abuse Reviews*. 8(2): 86-103.

222. Ricardo Jorge Dinis-Oliveira, Mariana Soares, Carolina Rocha-Pereira, Felix Carvalho (2016) Human and experimental toxicology of orellanine. *Human and Experimental Toxicology*, 35(9):1016-1029.
223. Maria Joao Valente, Ana Margarida Araujo, Renata Silva, Maria de Lourdes Bastos, Felix Carvalho, Paula Guedes de Pinho, Marcia Carvalho (2016) 3,4-Methylenedioxypropylamphetamine (MDPV): in vitro mechanisms of hepatotoxicity under normothermic and hyperthermic conditions. *Archives of Toxicology*, 90(8):1959-1973.
224. Maria Joao Valente, Ana Margarida Araujo, Maria de Lourdes Bastos, Eduarda Fernandes, Felix Carvalho, Paula Guedes de Pinho, Marcia Carvalho (2016) Characterization of Hepatotoxicity Mechanisms Triggered by Designer Cathinone Drugs (-Keto Amphetamines). *Toxicological Sciences*, 153(1): 89-102.
225. Joao Neves, Emanuele Amorim Alves, Jose Xavier Soares, Sara Manuela Cravo, Annibal Duarte Pereira Netto, Felix Carvalho, Ricardo Jorge Dinis-Oliveira, Carlos Manuel Afonso (2016) Data analysis of "Krokodil" samples obtained by street-like synthesis. *Data in Brief*. 6: 83-88.
226. Joana Alves, Pedro Madureira, Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Adilia Ribeiro, Luis Mira Vieira, Patrick Trieu-Cuot, Jose Alberto Duarte, Felix Carvalho, Paula Ferreira (2016) A Safe and Stable Neonatal Vaccine Targeting GAPDH Confers Protection against Group B Streptococcus Infections in Adult Susceptible Mice. *PLOS ONE*. 10 (12): e0144196.
227. Alexander I. Vardavas, Persefoni Fragkiadaki, Athanasios K. Alegakis, Kouretas Dimitrios, Nikolaos Goutzourelas, John Tsiaoussis, Christina Tsitsimpikou, Polychronis D. Stivaktakis, Felix Carvalho, Aristidis M. Tsatsakis (2016) Downgrading the systemic condition of rabbits after long term exposure to cypermethrin and piperonyl butoxide. *Life Sciences*. 145:114-20.
228. Pedro Ferreira, Elsa Fonte, M. Elisa Soares, Felix Carvalho, Lucia Guilhermino (2016) Effects of multi-stressors on juveniles of the marine fish *Pomatoschistus microps*: gold nanoparticles, microplastics and temperature. *Aquatic Toxicology*. 170: 89-103.
229. Sofia D. Viana, Rosa C. Fernandes, Paula Canas, Andrea M. Silva, Felix Carvalho, Syed F. Ali, Carlos A. Fontes Ribeiro and Frederico C. Pereira (2016) Presymptomatic MPTP Mice Show Neurotrophic S100B/mRAGE Striatal Levels. *CNS Neuroscience & Therapeutics*. 22(5):396-403.
230. Ana Sofia Oliveira, Sonia Fraga, Felix Carvalho, Ana Margarida Araujo, Cristiana Costa Pereira, Joao Paulo Teixeira, Maria de Lourdes Bastos, Paula Guedes de Pinho (2016) Chemical characterization and in vitro cyto- and genotoxicity of 'legal high' products containing Kratom (*Mitragyna speciosa*). *Forensic Toxicology*, 34 (2): 213-226.
231. Ricardo Jorge Dinis-Oliveira, Felix Carvalho, Isabel Costa, Ricardo Silvestre and Teresa Magalhaes (2016) Response to the comment on "Promising blood-derived biomarkers for estimation of the postmortem interval". *Toxicology Research*. 5, 716-718.
232. Diana Couto, Marisa Freitas, Vera Marisa Costa, Renan Campos Chiste, Agostinho Almeida, M. Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Paula Silva, Felix Carvalho, Eduarda Fernandes (2016) Biodistribution of polyacrylic acid-coated iron oxide nanoparticles is associated with proinflammatory activation and liver toxicity. *Journal of Applied Toxicology*, 36(10):1321-1331.
233. Emanuele Amorim Alves, Ana Sofia Agonia, Sara Manuela Cravo, Carlos Manuel Afonso, Annibal Duarte Pereira Netto, Maria de Lourdes Bastos, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2016) GC-MS method for the quantification of thirteen opioids, cocaine and cocaethylene in whole blood based on a modified QuEChERS extraction. *Current Pharmaceutical Analysis*, 13(3): 215 - 223.
234. Heather Wallace, Ruth Roberts, Emanuela Corsini, Eva Bonefeld-Jorgensen, Hilmi Orhan, Mojmir Mach, Thomas Weiser, Felix Carvalho, Mumtaz Iscan, Aristidis Tsatsakis (2016) Toxicology as an academic discipline in European Universities. *Toxicology Letters*. 254: 63.
235. Sofia D. Viana, Jorge Valero, Paulo Rodrigues-Santos, Patricia Couceiro, Andrea M. Silva, Felix Carvalho, Syed F. Ali, Carlos A. Fontes-Ribeiro and Frederico C. Pereira (2016) Regulation of striatal astrocytic receptor for advanced glycation end-products variants in an early stage of experimental Parkinson's disease. *Journal of Neurochemistry*, 138(4):598-609.
236. Juliana Faria, Joana Barbosa, Odilia Queiros, Roxana Moreira, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2016) Comparative study of the neurotoxicological effects of tramadol and tapentadol in SH-SY5Y cells. *Toxicology*. 359-360:1-10.
237. Sonia Silva, Felix Carvalho, Eduarda Fernandes, Manuel J Antunes, Maria Dulce Cotrim (2016) Contractile effects of 3,4-methylenedioxymethamphetamine on the human internal mammary artery. *Toxicology In Vitro*. 34:187-193.
238. Armanda Teixeira-Gomes, Vera Marisa Costa, Rita Feio-Azevedo, Jose Alberto Duarte,



- Margarida Duarte-Araujo, Eduarda Fernandes, Maria Lourdes Bastos, Felix Carvalho, Joao Paulo Capela (2016) "Ecstasy" toxicity to adolescent rats following an acute low binge dose. *BMC Pharmacology and Toxicology* 17(1):28.
239. Emanuele Amorim Alves, Pedro Brandao, Teresa Magalhaes, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2016) Fatal intoxications in the North of Portugal: 12 years of retrospective analysis. *Current Drug Safety*. 12 (1): 39-45.
240. Alexander Vardavas, Polychronis Stivaktakis, Manolis Tzatzarakis, Persefoni Fragkiadaki, Fotini Vasilaki, Maria Tzardi, Galateia Datseri, John Tsioussis, Athanasios Alegakis, Christina Tsitsimpikou, Valerii Rakitskii, Felix Carvalho, Aristidis Tsatsakis (2016) Long-term exposure to cypermethrin and piperonyl butoxide cause liver and kidney inflammation and induce genotoxicity in New Zealand white male rabbits. *Food and Chemical Toxicology*. 94:250-9.
241. Diana Dias da Silva, Maria Joao Silva, Patricia Moreira, Maria Joao Martins, Maria Joao Valente, Felix Carvalho, Maria de Lourdes Bastos, Helena Carmo (2016) In vitro hepatotoxicity of "Legal X": the combination of 1-benzylpiperazine (BZP) and 1-(m-trifluoromethylphenyl)piperazine (TFMPP) triggers oxidative stress, mitochondrial impairment and apoptosis. *Archives of Toxicology*, 91(3):1413-1430.
242. Rosa Sousa, Cristina Goncalves, Isabel Couto Guerra, Emilia Costa, Ana Fernandes, Maria do Bom Sucesso, Joana Azevedo, Alfredo Rodriguez, Rocio Rius, Carlos Seabra, Fatima Ferreira, Leticia Ribeiro, Anabela Ferrao, Sergio Castedo, Esmeralda Cleto, Jorge Coutinho, Felix Carvalho, Jose Barbot and Beatriz Porto (2016) Increased red cell distribution width in Fanconi Anemia: a novel marker of stress erythropoiesis. *Orphanet Journal of Rare Diseases*. 11(1):102.
243. Joana Barbosa, Juliana Faria, Odilia Queiros, Roxana Moreira, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2016) Comparative metabolism of tramadol and tapentadol: a toxicological perspective. *Drug Metabolism Reviews* 48(4):577-592.
244. Emanuele Amorim Alves, Pedro Brandao, Joao Filipe Neves, Sara Manuela Cravo, Jose Xavier Soares, Jean-Paul C. Grund, Jose Alberto Duarte, Carlos M. M. Afonso, Annibal Duarte Pereira Netto, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2017) Repeated subcutaneous administrations of krokodil causes skin necrosis and internal organs toxicity in Wistar rats: putative human implications. *Human Psychopharmacology: Clinical and Experimental*, 32(3): e2572.
245. Maria Joao Valente, Maria de Lourdes Bastos, Eduarda Fernandes, Felix Carvalho, Paula Guedes de Pinho and Marcia Carvalho (2017) Neurotoxicity of -keto amphetamines: deathly mechanisms elicited by methylone and MDPV in human dopaminergic SH-SY5Y cells. *ACS Chemical Neuroscience*. 8(4):850-859.
246. Diogo Andre Fonseca, A F Guerra, F Carvalho, Eduarda Fernandes, Luisa M. Ferreira, Paula S. Branco, Pedro E. Antunes, Manuel J Antunes, Maria Dulce Cotrim (2017) Hyperthermia severely affects the vascular effects of MDMA and metabolites in the human internal mammary artery in vitro. *Human Psychopharmacology: Clinical and Experimental*, 17 (4): 405-416.
247. Rita Feio-Azevedo, Vera Marisa Costa, Luisa Pinto Ferreira, Paula Serio Branco, Frederico Costa Pereira, Maria de Lourdes Bastos, Felix Carvalho, Joao Paulo Capela (2017) Toxicity of the amphetamine metabolites 4-hydroxyamphetamine and 4-hydroxynorephedrine in human dopaminergic differentiated SH-SY5Y cells. *Toxicology Letters*, 269: 65-76.
248. Daniela Rodrigues, Marisa Freitas, Vera Marisa Costa, M. Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Felix Carvalho, Eduarda Fernandes, Paula Silva (2017) Quantitative histochemistry for macrophage biodistribution on mice liver and spleen after the administration of a pharmacological relevant dose of polyacrylic acid-coated iron oxide nanoparticles. *Nanotoxicology*, 11(2): 256-266.
249. Ana Margarida Araujo, Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho (2017) Metabolomic approaches in the discovery of potential urinary biomarkers of drug-induced liver injury (DILI). *Critical Reviews in Toxicology*, 47(8):633-649.
250. Reis-Mendes A, Gomes AS, Carvalho RA, Carvalho F, Remiao F, Pinto M, Bastos ML, Sousa E, Costa VM. (2017) Naphthoquinoline metabolite of mitoxantrone is less cardiotoxic than the parent compound and it can be a more cardiosafe drug in anticancer therapy. *Archives of Toxicology*. 91:1871-1890.
251. Sofia Viana, Ines Pita, Cristina Lemos, Daniel Rial, Patricia Couceiro, Paulo Rodrigues-Santos, Francisco Caramelo, Felix Carvalho, Syed F Ali, Rui Prediger, Carlos Fontes Ribeiro, and Frederico Pereira (2017) The effects of physical exercise on non-motor symptoms and on neuroimmune RAGE-network in experimental parkinsonism. *Journal of Applied Physiology*, 123(1):161-171.
252. Mariline Gameiro, Renata Silva, Carolina Rocha-Pereira, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2017) Cellular models and in vitro assays for screening of specific inducers and activators of P-gp, MRP1 and BCRP. *Molecules*. 22(4). pii: E600.

253. Sara Loureiro-Vieira, Vera Marisa Costa, Maria de Lourdes Bastos, Felix Carvalho and Joao Paulo Soares Capela (2017) Methylphenidate effects in the young brain: friend or foe? *International Journal of Developmental Neuroscience*. 60:34-47.
254. Maria Joao Valente, Cristina Amaral, Georgina Correia-da-Silva, Jose Alberto Duarte, Maria de Lourdes Bastos, Felix Carvalho, Paula Guedes de Pinho, Marcia Carvalho (2017) Methylone and MDPV activate autophagy in human dopaminergic SH-SY5Y cells: a new insight into the context of -keto amphetamines-related neurotoxicity. *Archives of Toxicology*, 91(11):3663-3676.
255. Joana Faria, Juliana Barbosa, Sandra Leal, Luis Pedro Afonso, Joao Lobo, Roxana Moreira, Odilia Queiros, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2017) Effective analgesic doses of tramadol or tapentadol induce brain, lung and heart toxicity in Wistar rats. *Toxicology*. 385: 38-47.
256. Joana Barbosa, Juliana Faria, Sandra Leal, Luis Pedro Afonso, Joao Lobo, Odilia Queiros, Roxana Moreira, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2017) acute administration of tramadol and tapentadol at effective analgesic and maximum tolerated doses causes hepato- and nephrotoxic effects in wistar rats. *Toxicology*, 389:118-129.
257. Soares J, Alves E, Silva A, Figueiredo N, Neves JF, Cravo S, Rangel M, Netto A, Carvalho F, Dinis-Oliveira RJ, Afonso C. (2017) The street-like synthesis of krokodil results in the formation of an enlarged cluster of known and new morphinans. *Chemical Research in Toxicology*, 30(8):1609-1621.
258. GBD 2016 DALYs and HALE Collaborators (2017) Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet*, 390(10100):1260-1344.
259. GBD 2016 Disease and Injury Incidence and Prevalence Collaborators (2017) Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet*, 390(10100):1211-1259. doi: 10.1016/S0140-6736(17)32154-2.
260. Carina Proenca, Marisa Freitas, Daniela Ribeiro, Sousa JLC, Felix Carvalho, Artur MS Silva, Pedro A Fernandes, Eduarda Fernandes (2017) Inhibition of protein tyrosine phosphatase 1B by flavonoids: A structure - activity relationship study. *Food Chem Toxicology*, 111: 474-481.
261. Luis Gabriel Antao Barboza, Luis Russo Vieira, Vasco Branco, Neusa Figueiredo, Felix Carvalho, Cristina Carvalho, Lucia Guilhermino (2017) Microplastics cause neurotoxicity, oxidative damage and energy-related changes and interact with the bioaccumulation of mercury in the European seabass, *Dicentrarchus labrax* (Linnaeus, 1758). *Aquatic Toxicology*, 195:49-57.
262. Ludovic Ventura, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2018) Opioids in the frame of new psychoactive substances network: a complex pharmacological and toxicological issue. *Current Molecular Pharmacology*;11(2):97-108.
263. Juliana Faria, Joana Barbosa, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2018) Comparative pharmacology and toxicology of tramadol and tapentadol. *European Journal of Pain*, 22(5):827-844.
264. Nuno Magalhaes, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2018) Human and experimental toxicology of diquat poisonings: toxicokinetics, mechanisms of toxicity, clinical features and treatment. *Human and Experimental Toxicology*, 37(11):1131-1160.
265. Joao P. Silva, Helena Carmo, Felix Carvalho (2018) The synthetic cannabinoid XLR-11 induces in vitro nephrotoxicity by impairment of endocannabinoid-mediated regulation of mitochondrial function homeostasis and triggering of apoptosis. *Toxicology Letters*, 287:59-269.
266. Rosa A.S. Couto, Luis Moreira Goncalves, Felix Carvalho, Jose A. Rodrigues, Cecilia M.P. Rodrigues and M. Beatriz Quinaz (2018) The analytical challenge in the determination of cathinones, key-players in the worldwide phenomenon of novel psychoactive substances. *Critical Reviews in Analytical Chemistry*, 13:1-19.
267. Daniela Ribeiro, Carina Proenca, Silvia Rocha, Jose Luis Fontes da Costa Lima, Felix Carvalho, Eduarda Fernandes, Marisa Freitas (2018) Immunomodulatory effects of flavonoids in the prophylaxis and treatment of inflammatory bowel diseases: a comprehensive review. *Current Medicinal Chemistry*, 25(28):3374-3412.
268. Sara Loureiro-Vieira, Vera Marisa Costa, Jose Alberto Duarte, Margarida Duarte-Araujo, Salome Goncalves-Monteiro, Maria de Lourdes Bastos, Felix Carvalho, Joao Paulo Capela (2018) Methylphenidate clinically oral doses improved brain and heart glutathione redox status and evoked renal and cardiac tissue injury in rats. *Biomed Pharmacother*, 100:551-563.
269. Alexander I. Vardavas, Eren Ozcagli, Persefoni Fragkiadaki, Polychronis D. Stivaktakis, Manolis N. Tzatzarakis, Athanasios K. Alegakis, Fotini Vasilaki, Kostas Kaloudis, John Tsioussis,

- Dimitrios Kouretas, Christina Tsitsimpikou, Felix Carvalho, Aristidis M. Tsatsakis (2018) The metabolism of imidacloprid by aldehyde oxidase contributes to its clastogenic effect in New Zealand rabbits. *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, 829-830: 26-32.
270. Vania Vilas-Boas, Begona Espina, Yury V Kolen'ko, Manuel Banobre-Lopez, Jose A Duarte, Veronica C Martins, Dmitri Y Petrovykh, Paulo P Freitas, Felix Carvalho (2018) Combining CXCR4-targeted and nontargeted nanoparticles for effective unassisted in vitro magnetic hyperthermia. *Biointerphases*, 13(1):011005.
271. Daniela Almeida, Rita Pinho, Veronica Correia, Jorge Soares, Maria L Bastos, Felix Carvalho, Joao P Capela, Vera M Costa (2018) Mitoxantrone is more toxic than doxorubicin in SH-SY5Y human cells. Is mitoxantrone an increased risk for neural damage to multiple sclerosis patients? *Pharmaceuticals*, 11, 41.
272. Ana Margarida Araujo, Nathalie Moreira, Ana Rita Lima, Maria de Lourdes Bastos, Felix Carvalho, Marcia Carvalho, Paula Guedes de Pinho (2018) Analysis of extracellular metabolome by HS-SPME/GC-MS: optimization and application in a pilot study to evaluate galactosamine-induced hepatotoxicity. *Toxicology Letters*, 295:22-31.
273. Rita Feio-Azevedo, Vera Marisa Costa, Daniel Jose Barbosa, Armanda Teixeira-Gomes, Ines Pita, S. Gomes, Frederico Costa Pereira, Margarida Duarte-Araujo, Jose Alberto Duarte, Franklim Marques, Eduarda Fernandes, Maria Lourdes Bastos, Felix Carvalho, Joao Paulo Capela (2018) Aged rats are more vulnerable than adolescents to "ecstasy"-induced toxicity. *Archives of Toxicology*, 92(7):2275-2295.
274. Maria Joao Martins, Maria Enea, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos, Ricardo Jorge Dinis-Oliveira, Diana Dias da Silva (2018) Ethanol addictively enhances the in vitro cardiotoxicity of cocaine through oxidative damage, energetic deregulation and apoptosis. *Archives of Toxicology*, 92(7):2311-2325.
275. Ana Reis-Mendes, Marisa Alves, Felix Carvalho, Fernando Remiao, Maria Lourdes Bastos, and Vera Marisa Costa (2018) Pixantrone, a new anticancer drug with the same old cardiac problems? an in vitro study with differentiated and non-differentiated H9c2 cells. *Interdisciplinary Toxicology*, 11(1):13-21.
276. GBD 2016 Healthcare Access and Quality Collaborators (2018) Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016. *Lancet*, 391(10136):2236-2271.
277. Global Burden of Disease 2016 Injury Collaborators (2018) Global Mortality From Firearms, 1990-2016. *JAMA*, 320(8):792-814.
278. GBD 2017 Disease and Injury Incidence and Prevalence Collaborators (2018) Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 392 (10159), 1789-1858
279. GBD 2017 Causes of Death Collaborators (2018) Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 392 (10159), 1736-1788
280. GBD 2017 SDG Collaborators (2018) Measuring progress from 1990 to 2017 and projecting attainment to 2030 of the health-related Sustainable Development Goals for 195 countries and territories: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 392 (10159), 2091-2138.
281. GBD 2017 Mortality Collaborators (2018) Global, regional, and national age-sex-specific mortality and life expectancy, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 392 (10159), 1684-1735.
282. GBD 2017 Population and Fertility Collaborators (2018) Population and fertility by age and sex for 195 countries and territories, 1950-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet* 392 (10159), 1995-2051.
283. GBD 2017 DALYs and HALE Collaborators (2018) Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 392 (10159), 1859-1922.
284. GBD 2017 Risk Factor Collaborators (2018) Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 392 (10159), 1923-1994.

285. D Ribeiro, M Freitas, S Rocha, J Lima, F Carvalho, E Fernandes (2018) Calcium Pathways in Human Neutrophils-The Extended Effects of Thapsigargin and ML-9. *Cells*, 7 (11), 204.
286. Ribeiro D, Freitas M, Silva AMS, Carvalho F, Fernandes E (2018) Antioxidant and pro-oxidant activities of carotenoids and their oxidation products. *Food and Chemical Toxicology*, 120:681-699.
287. Araujo AM, Bastos ML, Fernandes E, Carvalho F, Carvalho M, Guedes de Pinho P (2018) GC-MS metabolomics reveals disturbed metabolic pathways in primary mouse hepatocytes exposed to subtoxic levels of 3,4-methylenedioxymethamphetamine (MDMA). *Arch Toxicol*. 92(11):3307-3323.
288. GBD 2016 Meningitis Collaborators (2018) Global, regional, and national burden of meningitis, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology*, 2018; 17: 1061-1082.
289. Diogo A. Fonseca, Cristina Teixeira, Felix Carvalho, Eduarda Fernandes, Pedro E. Antunes, Manuel J. Antunes, Maria Dulce Cotrim (2018) MDMA modulates 5-HT1-mediated contractile response of the human internal thoracic artery in Vitro. *Toxicology in Vitro*, 55:15-17.
290. Bruno Fonseca, Felix Carvalho, Georgina Correia-da-Silva, Marta Almada, Marcia Santos, Natercia Teixeira, Renata Fernandes (2018) Synthetic cannabinoids and endometrial stromal cell fate: dissimilar effects of JWH-122, UR-144 and WIN55,212-2. *Toxicology*, 413:40-47.
291. Rita Roque Bravo, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos, Diana Dias da Silva (2018) Benzo Fury: a new trend in the drug misuse scene. *Journal of Applied Toxicology*. 39(8):1083-1095.
292. Barbara Ferreira, Diana Dias da Silva, Felix Carvalho, Maria de Lourdes Bastos, Helena Carmo (2018) The novel psychoactive substance 3-methylmethcathinone (3-MMC or metaphedrone): a review. *Forensic Science International*, 295:54-63.
293. GBD 2016 Dementia Collaborators (2018) Global, regional, and national burden of Alzheimer's disease and other dementias, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 18(1):88-106.
294. GBD 2016 Traumatic Brain Injury and Spinal Cord Injury Collaborators (2018) Global, regional, and national burden of traumatic brain injury and spinal cord injury, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *The Lancet*, 18(1):56-87.
295. GBD 2017 Influenza Collaborators (2018) Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. *Lancet Respiratory Medicine*, 7(1):69-89.
296. GBD Tuberculosis Collaborators (2018) Global, regional, and national burden of tuberculosis, 1990-2016: results from the Global Burden of Diseases, Injuries, and Risk Factors 2016 Study. *Lancet Infectious Diseases*, 18(12):1329-1349.
297. Milad Tavassoli, Asma Afshari, Andree Letitia Arsene, Bruno Megarbane, Josef Dumanov, Monica Maria Bastos Paoliello, Aristidis Tsatsakis, Felix Carvalho, Mahmoud Hashemzaei, Ramin Rezaee (2019) Toxicological profile of *Amanita virosa*. *Toxicology Reports*, 6:143-150.
298. Maria Pereira-Oliveira, Ana Reis-Mendes, Felix Carvalho, Fernando Remiao, Maria de Lourdes Bastos and Vera Marisa Costa (2019) Doxorubicin Is Key for the Cardiotoxicity of FAC (5-Fluorouracil + Adriamycin + Cyclophosphamide) Combination in Differentiated H9c2 Cells. *Biomolecules*, 9(1). pii: E21.
299. Silva JP, Araujo AM, Guedes de Pinho P, Carmo H, Carvalho F. Synthetic cannabinoids JWH-122 and THJ-2201 disrupt endocannabinoid-regulated mitochondrial function and activate apoptotic pathways as a primary mechanism of in vitro nephrotoxicity at in vivo relevant concentrations. *Toxicological Sciences*, 169(2):422-435.
300. GBD 2016 Brain and Other CNS Cancer Collaborators (2019) Global, regional, and national burden of brain and other CNS cancer, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology*, 18(4):376-393.
301. GBD 2016 Epilepsy Collaborators (2019) Global, regional, and national burden of epilepsy, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology*, 18(5):459-480.
302. Reis-Mendes A, Carvalho F, Remiao F, Sousa E, Bastos ML, Costa VM (2019) The Main Metabolites of Fluorouracil + Adriamycin + Cyclophosphamide (FAC) Are Not Major Contributors to FAC Toxicity in H9c2 Cardiac Differentiated Cells. *Biomolecules*. 2019 Mar 11;9(3). pii: E98.
303. GBD 2016 Stroke Collaborators (2019) Global, regional, and national burden of stroke, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology*,

18(5):439-458.

304. GBD 2016 Neurology Collaborators (2019) Global, regional, and national burden of neurological disorders, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology*, 18(5):459-480.

305. Garcia J, Costa VM, Bovolini A, Duarte JA, Rodrigues DF, de Lourdes Bastos M, Carvalho F (2019) An effective antidotal combination of polymyxin B and methylprednisolone for -amanitin intoxication. *Archives of Toxicology* 2019;93(5):1449-1463.

306. Naghavi M; Global Burden of Disease Self-Harm Collaborators (2019) Global, regional, and national burden of suicide mortality 1990 to 2016: systematic analysis for the Global Burden of Disease Study 2016. *British Medical Journal*, 364: I94.

307. GBD 2017 Childhood Cancer Collaborators (2019) The global burden of childhood and adolescent cancer in 2017: an analysis of the Global Burden of Disease Study 2017. *Lancet Oncology*, 20(9):1211-1225.

308. GBD 2017 HIV collaborators (2019) Global, regional, and national incidence, prevalence, and mortality of HIV, 1980-2017, and forecasts to 2030, for 195 countries and territories: a systematic analysis for the Global Burden of Diseases, Injuries, and Risk Factors Study 2017. *Lancet HIV*, pii: S2352-3018(19)30196-1.

309. Alexandre J, Carmo H, Carvalho F, Silva JP (2019) Synthetic cannabinoids and their impact on neurodevelopmental processes. *Addiction Biology*, 23: e12824.

310. Dias da Silva D, Ferreira B, Roque Bravo R, Rebelo R, Duarte de Almeida T, Valente MJ, Silva JP, Carvalho F, Bastos ML, Carmo H (2019) The new psychoactive substance 3-methylmethcathinone (3-MMC or metaphedrone) induces oxidative stress, apoptosis, and autophagy in primary rat hepatocytes at human-relevant concentrations. *Archives of Toxicology*, 93(9):2617-2634.

311. Soares J, Costa VM, Gaspar H, Santos S, de Lourdes Bastos M, Carvalho F, Capela JP (2019) Structure-cytotoxicity relationship profile of 13 synthetic cathinones in differentiated human SH-SY5Y neuronal cells. *Neurotoxicology*, 29;75:158-173.

312. Araujo AM, Carvalho M, Bastos ML, Carvalho F, de Pinho PG (2019) Metabolic signature of methylone in primary mouse hepatocytes, at subtoxic concentrations. *Archives of Toxicology*. 93(11):3277-3290.

313. Global Burden of Disease Cancer Collaboration (2019) Global, Regional, and National Cancer Incidence, Mortality, Years of Life Lost, Years Lived With Disability, and Disability-Adjusted Life-Years for 29 Cancer Groups, 1990 to 2017: A Systematic Analysis for the Global Burden of Disease Study. *JAMA Oncology*, 5(12):1749-1768.

314. GBD 2017 Non-Typhoidal Salmonella Invasive Disease Collaborators (2019) The global burden of non-typhoidal salmonella invasive disease: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet Infectious Diseases*, 19(12):1312-1324.

315. Rodrigues DF, Costa VM, Silvestre R, Bastos ML, Carvalho F. (2019) Methods for the analysis of transcriptome dynamics. *Toxicology Research (Camb)*, 8(5):597-612.

316. Daniela Rouxinol, Diana Dias da Silva, Joao Pedro Silva, Felix Carvalho, Maria de Lourdes Bastos, Helena Carmo (2020) Biodistribution and metabolic profile of 3,4-dimethylmethcathinone (3,4-DMMC) in Wistar rats through Gas Chromatography-Mass Spectrometry (GC-MS) analysis. *Toxicology Letters*. 320:113-123.

317. Ana Margarida Araujo, Maria Enea, Felix Carvalho, Maria de Lourdes Bastos, Marcia Carvalho \*, Paula Guedes de Pinho (2019) Hepatic metabolic derangements triggered by hyperthermia: an in vitro Metabolomics study. *Metabolites*. 9(10). pii: E228.

318. Marta Almada, Patricia Alves, Bruno M. Fonseca, Felix Carvalho, Claudio R. Queiros, Helena Gaspar, Cristina Amaral, Natércia A. Teixeira and Georgina Correia-da-Silva (2019) Synthetic cannabinoids JWH-018, JWH-122, UR-144 and the phytocannabinoid THC activate apoptosis in placental cells. *Toxicology Letters*. 319:129-137.

319. GBD 2017 Diarrhoeal Disease Collaborators (2019) Quantifying risks and interventions that have affected the burden of diarrhoea among children younger than 5 years: an analysis of the Global Burden of Disease Study 2017. *Lancet Infect Dis*. 20(1):37-59.

320. GBD 2017 Lower Respiratory Infections Collaborators (2019) Quantifying risks and interventions that have affected the burden of lower respiratory infections among children younger than 5 years: an analysis for the Global Burden of Disease Study 2017. *Lancet Infect Dis*. 20(1):60-79.

321. GBD 2017 Colorectal Cancer Collaborators. The global, regional, and national burden of colorectal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a



systematic analysis for the Global Burden of Disease Study 2017. *Lancet Gastroenterol Hepatol.* 2019; 4(12):913-933.

322. GBD 2017 Pancreatic Cancer Collaborators (2019) The global, regional, and national burden of pancreatic cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet Gastroenterol Hepatol.* 4(12):934-947.

323. GBD 2017 Inflammatory Bowel Disease Collaborators. The global, regional, and national burden of inflammatory bowel disease in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet Gastroenterol Hepatol.* 2020; 5(1):17-30.

324. GBD 2017 Stomach Cancer Collaborators. The global, regional, and national burden of stomach cancer in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease study 2017. *Lancet Gastroenterol Hepatol.* 2020; 5(1):42-54.

325. GBD 2017 Lower Respiratory Infections Collaborators. Quantifying risks and interventions that have affected the burden of lower respiratory infections among children younger than 5 years: an analysis for the Global Burden of Disease Study 2017. *Lancet Infect Dis.* 2020 Jan;20(1):60-79.

326. Almada M, Alves P, Fonseca BM, Carvalho F, Queiros CR, Gaspar H, Amaral C, Teixeira NA, Correia-da-Silva G. Synthetic cannabinoids JWH-018, JWH-122, UR-144 and the phytocannabinoid THC activate apoptosis in placental cells. *Toxicol Lett.* 2020; 319:129-137.

327. Roque Bravo R, Carmo H, Silva JP, Valente MJ, Carvalho F, Bastos ML, Dias da Silva D. Emerging club drugs: 5-(2-aminopropyl)benzofuran (5-APB) is more toxic than its isomer 6-(2-aminopropyl)benzofuran (6-APB) in hepatocyte cellular models. *Arch Toxicol.* 2020;94(2):609-629.

328. James SL, Lucchesi LR, Bisignano C, Castle CD, Dingels ZV, Fox JT, Hamilton EB, Henry NJ, McCracken D, Roberts NLS, Sylte DO, Ahmadi A, Ahmed MB, Alahdab F, Alipour V, Andualem Z, Antonio CAT, Arabloo J, Badiye AD, Bagherzadeh M, Banstola A, Barnighausen TW, Barzegar A, Bayati M, Bhaumik S, Bijani A, Bukhman G, Carvalho F, Crowe CS, Dalal K, Daryani A, Nasab MD, Do HT, Do HP, Endries AY, Fernandes E, Filip I, Fischer F, Fukumoto T, Gebremedhin KBB, Gebremeskel GG, Gilani SA, Haagsma JA, Hamidi S, Hostiuc S, Househ M, Igumbor EU, Ilesanmi OS, Irvani SSN, Jayatilleke AU, Kahsay A, Kapoor N, Kasaeian A, Khader YS, Khalil IA, Khan EA, Khazae-Pool M, Kokubo Y, Lopez AD, Madadin M, Majdan M, Maled V, Malekzadeh R, Manafi N, Manafi A, Mangalam S, Massenburg BB, Meles HG, Menezes RG, Meretoja TJ, Miazgowski B, Miller TR, Mohammadian-Hafshejani A, Mohammadpourhodki R, Morrison SD, Negoi I, Nguyen TH, Nguyen SH, Nguyen CT, Nixon MR, Olagunju AT, Olagunju TO, Padubidri JR, Polinder S, Rabiee N, Rabiee M, Radfar A, Rahimi-Movaghar V, Rawaf S, Rawaf DL, Rezapour A, Rickard J, Roro EM, Roy N, Safari-Faramani R, Salamati P, Samy AM, Satpathy M, Sawhney M, Schwebel DC, Senthikumar S, Sepanlou SG, Shigematsu M, Soheili A, Stokes MA, Tohidinik HR, Tran BX, Valdez PR, Wijeratne T, Yisma E, Zaidi Z, Zamani M, Zhang ZJ, Hay SI, Mokdad AH. Epidemiology of injuries from fire, heat and hot substances: global, regional and national morbidity and mortality estimates from the Global Burden of Disease 2017 study. *Inj Prev.* 2019.

329. Local Burden of Disease Educational Attainment Collaborators. Mapping disparities in education across low- and middle-income countries. *Nature.* 2020; 577(7789):235-238.

330. Haagsma JA, James SL, Castle CD, Dingels ZV, Fox JT, Hamilton EB, Liu Z, Lucchesi LR, Roberts NLS, Sylte DO, Adebayo OM, Ahmadi A, Ahmed MB, Aichour MTE, Alahdab F, Alghnam SA, Aljunid SM, Al-Raddadi RM, Alsharif U, Altirkawi K, Anjomshoa M, Antonio CAT, Appiah SCY, Aremu O, Arora A, Asayesh H, Assadi R, Awasthi A, Ayala Quintanilla BP, Balalla S, Banstola A, Barker-Collo SL, Barnighausen TW, Bazargan-Hejazi S, Bedi N, Behzadifar M, Behzadifar M, Benjet C, Bennett DA, Bensenor IM, Bhaumik S, Bhutta ZA, Bijani A, Borges G, Borschmann R, Bose D, Boufous S, Brazinova A, Campuzano Rincon JC, Cardenas R, Carrero JJ, Carvalho F, Castaneda-Orjuela CA, Catala-Lopez F, Choi JJ, Christopher DJ, Crowe CS, Dalal K, Daryani A, Davitioi DV, Degenhardt L, De Leo D, De Neve JW, Deribe K, Dessie GA, deVeber GA, Dharmaratne SD, Doan LP, Dolan KA, Driscoll TR, Dubey M, El-Khatib Z, Ellingsen CL, El Sayed Zaki M, Endries AY, Eskandarieh S, Faro A, Fereshtehnejad SM, Fernandes E, Filip I, Fischer F, Franklin RC, Fukumoto T, Gezae KE, Gill TK, Goulart AC, Grada A, Guo Y, Gupta R, Haghparsat Bidgoli H, Haj-Mirzaian A, Haj-Mirzaian A, Hamadeh RR, Hamidi S, Haro JM, Hassankhani H, Hassen HY, Havmoeller R, Hendrie D, Henok A, Hajar M, Hole MK, Homaie Rad E, Hossain N, Hostiuc S, Hu G, Igumbor EU, Ilesanmi OS, Irvani SSN, Islam SMS, Ivers RQ, Jacobsen KH, Jahanmehr N, Jakovljevic M, Jayatilleke AU, Jha RP, Jonas JB, Jorjoran Shushtari Z, Jozwiak JJ, Jurisson M, Kabir A, Kalani R, Kasaeian A, Kelbore AG, Kengne AP, Khader YS, Khafaie MA, Khalid N, Khan EA, Khoja AT, Kiadaliri AA, Kim YE, Kim D, Kisa A, Koyanagi A, Kuate Defo B, Kucuk Bicer B, Kumar M, Lalloo R, Lam H, Lami FH, Lansingh VC, Leasher JL, Li S, Linn S, Lunevicius R,

Machado FR, Magdy Abd El Razek H, Magdy Abd El Razek M, Mahotra NB, Majdan M, Majeed A, Malekzadeh R, Malik MA, Malta DC, Manda AL, Mansournia MA, Massenburg BB, Maulik PK, Meheretu HAA, Mehndiratta MM, Melese A, Mendoza W, Mengesha MM, Meretoja TJ, Meretoja A, Mestrovic T, Miazgowski T, Miller TR, Mini GK, Mirrahimov EM, Moazen B, Mohammad Gholi Mezerji N, Mohammadibakhsh R, Mohammed S, Molokhia M, Monasta L, Mondello S, Montero-Zamora PA, Moodley Y, Moosazadeh M, Moradi G, Moradi-Lakeh M, Morawska L, Velasquez IM, Morrison SD, Moschos MM, Mousavi SM, Murthy S, Musa KI, Naik G, Najafi F, Nangia V, Nascimento BR, Ndwandwe DE, Negoi I, Nguyen TH, Nguyen SH, Nguyen LH, Nguyen HLT, Ningrum DNA, Nirayo YL, Ofori-Asenso R, Ogbo FA, Oh IH, Oladimeji O, Olagunju AT, Olagunju TO, Olivares PR, Orpana HM, Otsavnov SS, P A M, Pakhale S, Park EK, Patton GC, Pesudovs K, Phillips MR, Polinder S, Prakash S, Radfar A, Rafay A, Rafiei A, Rahimi S, Rahimi-Movaghar V, Rahman MA, Rai RK, Ramezanzadeh K, Rawaf S, Rawaf DL, Renzaho AMN, Resnikoff S, Rezaeian S, Roeber L, Ronfani L, Roshandel G, Sabde YD, Saddik B, Salamati P, Salimi Y, Salz I, Samy AM, Sanabria J, Sanchez Riera L, Santric Milicevic MM, Satpathy M, Sawhney M, Sawyer SM, Saxena S, Saylan M, Schneider JJC, Schwebel DC, Seedat S, Sepanlou SG, Shaikh MA, Shams-Beyranvand M, Shamsizadeh M, Sharif-Alhoseini M, Sheikh A, Shen J, Shigematsu M, Shiri R, Shiue I, Silva JP, Singh JA, Sinha DN, Soares Filho AM, Soriano JB, Soshnikov S, Soyiri IN, Starodubov VI, Stein DJ, Stokes MA, Sufiyan MB, Sunshine JE, Sykes BL, Tabares-Seisdedos R, Tabb KM, Tehrani-Banihashemi A, Tessema GA, Thakur JS, Tran KB, Tran BX, Tudor Car L, Uthman OA, Uzochukwu BSC, Valdez PR, Varavikova E, Vasconcelos AMN, Venketasubramanian N, Violante FS, Vlassov V, Waheed Y, Wang YP, Wijeratne T, Winkler AS, Yadav P, Yano Y, Yenese MA, Yip P, Yisma E, Yonemoto N, Younis MZ, Yu C, Zafar S, Zaidi Z, Zaman SB, Zamani M, Zhao Y, Zodpey S, Hay SI, Lopez AD, Mokdad AH, Vos T. Burden of injury along the development spectrum: associations between the Socio-demographic Index and disability-adjusted life year estimates from the Global Burden of Disease Study 2017 (2020) *Inj Prev.* 2020 Oct;26(Suppl 1):i12-i26.

331. Araujo AM, Enea M, Fernandes E, Carvalho F, Bastos ML, Carvalho M, Guedes de Pinho P. MDMA hepatotoxicity under heat stress condition: novel insights from in vitro metabolomic studies (2020) *J Proteome Res.* (in press)

332. GBD 2017 Cirrhosis Collaborators. The global, regional, and national burden of cirrhosis by cause in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017 (2020) *Lancet Gastroenterol Hepatol.* Mar;5(3):245-266.

333. GBD 2016 Occupational Risk Factors Collaborators. Global and regional burden of disease and injury in 2016 arising from occupational exposures: a systematic analysis for the Global Burden of Disease Study 2016 (2020) *Occup Environ Med.*; 77(3):133-141.

334. GBD 2016 Occupational Carcinogens Collaborators. Global and regional burden of cancer in 2016 arising from occupational exposure to selected carcinogens: a systematic analysis for the Global Burden of Disease Study 2016 (2020) *Occup Environ Med.*; 77(3):151-159.

335. GBD Chronic Kidney Disease Collaboration. Global, regional, and national burden of chronic kidney disease, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017 (2020) *Lancet*, 395(10225):709-733.

336. Sousa D, Carmo H, Roque Bravo R, Carvalho F, Bastos ML, Guedes de Pinho P, Dias da Silva D. Diet aid or aid to die: an update on 2,4-dinitrophenol (2,4-DNP) use as a weight-loss product (2020) *Arch Toxicol.* 2020, 94(4):1071-1083.

337. Franklin RC, Peden AE, Hamilton EB, Bisignano C, Castle CD, Dingels ZV, Hay SI, Liu Z, Mokdad AH, Roberts NLS, Sylte DO, Vos T, Abady GG, Abosetugn AE, Ahmed R, Alahdab F, Andrei CL, Antonio CAT, Arabloo J, Arba AAK, Badiye AD, Bakkannavar SM, Banach M, Banik PC, Banstola A, Barker-Collo SL, Barzegar A, Bayati M, Bhardwaj P, Bhaumik S, Bhutta ZA, Bijani A, Boloor A, Carvalho F, Chowdhury MAK, Chu DT, Colquhoun SM, Dagne H, Dagne B, Dandona L, Dandona R, Daryani A, Dharmaratne SD, Dibaji Forooshani ZS, Do HT, Driscoll TR, Eagan AW, El-Khatib Z, Fernandes E, Filip I, Fischer F, Gebremichael B, Gupta G, Haagsma JA, Hassan S, Hendrie D, Hoang CL, Hole MK, Holla R, Hostiuc S, Househ M, Ilesanmi OS, Inbaraj LR, Irvani SSN, Islam MM, Ivers RQ, Jayatileke AU, Joukar F, Kalhor R, Kanchan T, Kapoor N, Kasaeian A, Khan M, Khan EA, Khubchandani J, Krishan K, Kumar GA, Lauriola P, Lopez AD, Madadin M, Majdan M, Maled V, Manafi N, Manafi A, McKee M, Meles HG, Menezes RG, Meretoja TJ, Miller TR, Mithra P, Mohammadian-Hafshejani A, Mohammadpourhodki R, Mohebi F, Molokhia M, Mustafa G, Negoi I, Nguyen CT, Nguyen HLT, Olagunju AT, Olagunju TO, Padubidri JR, Pakshir K, Pathak A, Polinder S, Pribadi DRA, Rabiee N, Radfar A, Rana SM, Rickard J, Safari S, Salamati P, Samy AM, Sarker AR, Schwebel DC, Senthilkumaran S, Shaahmadi F, Shaikh MA, Shin JI, Singh PK, Soheili A, Stokes MA, Suleria HAR, Tarigan IU, Temsah MH, Tesfay BE, Valdez PR, Veisani Y,

- Ye P, Yonemoto N, Yu C, Yusefzadeh H, Zaman SB, Zhang ZJ, James SL. (2020) The burden of unintentional drowning: global, regional and national estimates of mortality from the Global Burden of Disease 2017 Study. *Inj Prev.* 2020; 26(Supp 1):i83-i95.
338. Araujo AM, Enea M, Fernandes E, Carvalho F, de Lourdes Bastos M, Carvalho M, Guedes de Pinho P. 3,4-Methylenedioxyamphetamine Hepatotoxicity under the Heat Stress Condition: Novel Insights from in Vitro Metabolomic Studies. *J Proteome Res.* 2020, 6;19(3):1222-1234.
339. Rodrigues DF, Pires das Neves R, Carvalho ATP, Lourdes Bastos M, Costa VM, Carvalho F. In vitro mechanistic studies on -amanitin and its putative antidotes. *Arch Toxicol.* 2020, 94(6):2061-2078.
340. Yadgir S, Johnson CO, Aboyans V, Adebayo OM, Adedoyin RA, Afarideh M, Alahdab F, Alashi A, Alipour V, Arabloo J, Azari S, Barthelemy CM, Benziger CP, Berman AE, Bijani A, Carrero JJ, Carvalho F, Daryani A, Duraes AR, Esteghamati A, Farid TA, Farzadfar F, Fernandes E, Filip I, Gad MM, Hamidi S, Hay SI, Ilesanmi OS, Naghibi Irvani SS, Jurisson M, Kasaeian A, Kengne AP, Khan AR, Kisa A, Kisa S, Kolte D, Manafi N, Manafi A, Mensah GA, Mirrakhimov EM, Mohammad Y, Mokdad AH, Negoi RI, Thi Nguyen HL, Nguyen TH, Nixon MR, Otto CM, Patel S, Pilgrim T, Radfar A, Rawaf DL, Rawaf S, Rawasia WF, Rezapour A, Roeber L, Saad AM, Saadatagah S, Senthilkumaran S, Sliwa K, Tesfay BE, Tran BX, Ullah I, Vaduganathan M, Vasankari TJ, Wolfe CDA, Yonemoto N, Roth GA; Global Burden of Disease Study 2017 Nonrheumatic Valve Disease Collaborators. Global, Regional, and National Burden of Calcific Aortic Valve and Degenerative Mitral Valve Diseases, 1990-2017. *Circulation.* 2020, 141(21):1670-1680.
341. GBD 2017 Oesophageal Cancer Collaborators. The global, regional, and national burden of oesophageal cancer and its attributable risk factors in 195 countries and territories, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet Gastroenterol Hepatol.* 2020; 5(6):582-597.
342. LBD Double Burden of Malnutrition Collaborators. Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. *Nat Med.* 2020 May;26(5):750-759.
343. James SL, Castle CD, Dingels ZV, Fox JT, Hamilton EB, Liu Z, S Roberts NL, Sylte DO, Henry NJ, LeGrand KE, Abdelalim A, Abdoli A, Abdollahpour I, Abdulkader RS, Abedi A, Abosetugn AE, Abushouk AI, Adebayo OM, Agudelo-Botero M, Ahmad T, Ahmed R, Ahmed MB, Eddine Aichour MT, Alahdab F, Alamene GM, Alanezi FM, Alebel A, Alema NM, Alghnam SA, Al-Hajj S, Ali BA, Ali S, Alikhani M, Alinia C, Alipour V, Aljunid SM, Almasi-Hashiani A, Almasri NA, Altirkawi K, Abdeldayem Amer YS, Amini S, Loreche Amit AM, Andrei CL, Ansari-Moghaddam A, T Antonio CA, Yaw Appiah SC, Arabloo J, Arab-Zozani M, Arefi Z, Aremu O, Ariani F, Arora A, Asaad M, Asghari B, Awoke N, Ayala Quintanilla BP, Ayano G, Ayanore MA, Azari S, Azarian G, Badawi A, Badiye AD, Bagli E, Baig AA, Bairwa M, Bakhtiari A, Balachandran A, Banach M, Banerjee SK, Banik PC, Banstola A, Barker-Collo SL, Barnighausen TW, Barrero LH, Barzegar A, Bayati M, Baye BA, Bedi N, Behzadifar M, Bekuma TT, Belete H, Benjet C, Bennett DA, Bensenor IM, Berhe K, Bhardwaj P, Bhat AG, Bhattacharyya K, Bibi S, Bijani A, Bin Sayeed MS, Borges G, Borzi AM, Boufous S, Brazinova A, Briko NI, Budhathoki SS, Car J, Cardenas R, Carvalho F, Castaldelli-Maia JM, Castaneda-Orjuela CA, Castelpietra G, Catala-Lopez F, Cerin E, Chandan JS, Chanie WF, Chattu SK, Chattu VK, Chatziralli I, Chaudhary N, Cho DY, Kabir Chowdhury MA, Chu DT, Colquhoun SM, Constantin MM, Costa VM, Damiani G, Daryani A, Davila-Cervantes CA, Demeke FM, Demis AB, Demoz GT, Demisie DG, Derakhshani A, Deribe K, Desai R, Nasab MD, da Silva DD, Dibaji Forooshani ZS, Doyle KE, Driscoll TR, Dubljanin E, Adema BD, Eagan AW, Eftekhari A, Ehsani-Chimeh E, Sayed Zaki ME, Elemineh DA, El-Jaafary SI, El-Khatib Z, Ellingsen CL, Emamian MH, Endalew DA, Eskandarieh S, Faris PS, Faro A, Farzadfar F, Fatahi Y, Fekadu W, Ferede TY, Fereshtehnejad SM, Fernandes E, Ferrara P, Feyissa GT, Filip I, Fischer F, Folleyan MO, Foroutan M, Francis JM, Franklin RC, Fukumoto T, Geberemariam BS, Gebre AK, Gebremedhin KB, Gebremeskel GG, Gebremichael B, Gedefaw GA, Geta B, Ghafourifard M, Ghamari F, Ghashghae A, Gholamian A, Gill TK, Goulart AC, Grada A, Grivna M, Mohialdeen Gubari MI, Guimaraes RA, Guo Y, Gupta G, Haagsma JA, Hafezi-Nejad N, Bidgoli HH, Hall BJ, Hamadeh RR, Hamidi S, Haro JM, Hasan MM, Hasanzadeh A, Hassanipour S, Hassankhani H, Hassen HY, Havmoeller R, Hayat K, Hendrie D, Heydarpour F, Hajar M, Ho HC, Hoang CL, Hole MK, Holla R, Hossain N, Hosseinzadeh M, Hostiuic S, Hu G, Ibitoye SE, Ilesanmi OS, Ilic I, Ilic MD, Inbaraj LR, Indriasih E, Naghibi Irvani SS, Shariful Islam SM, Islam MM, Ivers RQ, Jacobsen KH, Jahani MA, Jahanmehr N, Jakovljevic M, Jalilian F, Jayaraman S, Jayatilleke AU, Jha RP, John-Akinola YO, Jonas JB, Joseph N, Joukar F, Jozwiak JJ, Jungari SB, Jurisson M, Kabir A, Kadel R, Kahsay A, Kalankesh LR, Kalhor R, Kamil TA, Kanchan T, Kapoor N, Karami M, Kasaeian A, Kassaye HG, Kavetsky T, Kebede HK, Keiyoro PN, Kelbore AG, Kelkay B, Khader YS, Khafaie MA, Khalid N, Khalil IA, Khalilov R, Khammarnia M, Khan EA, Khan M, Khanna T, Khazaie H, Shadmani FK, Khundkar R, Kiirithio DN,

Kim YE, Kim D, Kim YJ, Kisa A, Kisa S, Komaki H, M Kondlahalli SK, Korshunov VA, Koyanagi A, G Kraemer MU, Krishan K, Bicer BK, Kugbey N, Kumar V, Kumar N, Kumar GA, Kumar M, Kumares G, Kurmi OP, Kuti O, Vecchia C, Lami FH, Lamichhane P, Lang JJ, Lansingh VC, Laryea DO, Lasrado S, Latifi A, Lauriola P, Leasher JL, Huey Lee SW, Lenjebo TL, Levi M, Li S, Linn S, Liu X, Lopez AD, Lotufo PA, Lunevicius R, Lyons RA, Madadin M, El Razek MMA, Mahotra NB, Majdan M, Majeed A, Malagon-Rojas JN, Maled V, Malekzadeh R, Malta DC, Manafi N, Manafi A, Manda AL, Manjunatha N, Mansour-Ghanaei F, Mansouri B, Mansournia MA, Maravilla JC, March LM, Mason-Jones AJ, Masoumi SZ, Massenburg BB, Maulik PK, Meles GG, Melese A, Melketsedik ZA, N Memiah PT, Mendoza W, Menezes RG, Mengesha MB, Mengesha MM, Meretoja TJ, Meretoja A, Merie HE, Mestrovic T, Miazgowski B, Miazgowski T, Miller TR, Mini GK, Mirica A, Mirrakhimov EM, Mirzaei-Alavijeh M, Mithra P, Moazen B, Moghadaszadeh M, Mohamadi E, Mohammad Y, Mohammad KA, Darwesh AM, Gholi Mezerji NM, Mohammadian-Hafshejani A, Mohammadoo-Khorasani M, Mohammadpourhodki R, Mohammed S, Mohammed JA, Mohebi F, Molokhia M, Monasta L, Moodley Y, Moosazadeh M, Moradi M, Moradi G, Moradi-Lakeh M, Moradpour F, Morawska L, Velasquez IM, Morisaki N, Morrison SD, Mossie TB, Muluneh AG, Murthy S, Musa KI, Mustafa G, Nabhan AF, Nagarajan AJ, Naik G, Naimzada MD, Najafi F, Nangia V, Nascimento BR, Naserbakht M, Nayak V, Ndwandwe DE, Negozi I, Ngunjiri JW, Nguyen CT, Thi Nguyen HL, Nikbakhsh R, Anggraini Ningrum DN, Nnaji CA, Nyasulu PS, Ogbo FA, Oghenetega OB, Oh IH, Okunga EW, Olagunju AT, Olagunju TO, Bali AO, Onwujekwe OE, Asante KO, Orpana HM, Ota E, Otstavnov N, Otstavnov SS, A MP, Padubidri JR, Pakhale S, Pakshir K, Panda-Jonas S, Park EK, Patel SK, Pathak A, Pati S, Patton GC, Paulos K, Peden AE, Filipino Pepito VC, Pereira J, Pham HQ, Phillips MR, Pinheiro M, Polibin RV, Polinder S, Poustchi H, Prakash S, Angga Pribadi DR, Puri P, Syed ZQ, Rabiee M, Rabiee N, Radfar A, Rafay A, Rafiee A, Rafiei A, Rahim F, Rahimi S, Rahimi-Movaghar V, Rahman MA, Rajabpour-Sanati A, Rajati F, Rakovac I, Ranganathan K, Rao SJ, Rashedi V, Rastogi P, Rathi P, Rawaf S, Rawal L, Rawassizadeh R, Renjith V, N Renzaho AM, Resnikoff S, Rezapour A, Ribeiro AI, Rickard J, Rios Gonzalez CM, Ronfani L, Roshandel G, Saad AM, Sabde YD, Sabour S, Saddik B, Safari S, Safari-Faramani R, Safarpour H, Safdarian M, Sajadi SM, Salamati P, Salehi F, Zahabi SS, Rashad Salem MR, Salem H, Salman O, Salz I, Samy AM, Sanabria J, Riera LS, Santric Milicevic MM, Sarker AR, Sarveazad A, Sathian B, Sawhney M, Sawyer SM, Saxena S, Sayyah M, Schwebel DC, Seedat S, Senthilkumaran S, Sepanlou SG, Seyedmousavi S, Sha F, Shaahmadi F, Shahabi S, Shaikh MA, Shams-Beyranvand M, Shamsizadeh M, Sharif-Alhoseini M, Sharifi H, Sheikh A, Shigematsu M, Shin JI, Shiri R, Siabani S, Sigfusdottir ID, Singh PK, Singh JA, Sinha DN, Smarandache CG, R Smith EU, Soheili A, Soleymani B, Soltanian AR, Soriano JB, Sorrie MB, Soyiri IN, Stein DJ, Stokes MA, Sufiyan MB, Rasul Suleria HA, Sykes BL, Tabares-Seisdedos R, Tabb KM, Taddele BW, Tadesse DB, Tamiru AT, Tarigan IU, Tefera YM, Tehrani-Banihashemi A, Tekle MG, Tekulu GH, Tesema AK, Tesfay BE, Thapar R, Tilahun AB, Tlaye KG, Tohidinik HR, Topor-Madry R, Tran BX, Tran KB, Tripathy JP, Tsai AC, Car LT, Ullah S, Ullah I, Umar M, Unnikrishnan B, Upadhyay E, Uthman OA, Valdez PR, Vasankari TJ, Venketasubramanian N, Violante FS, Vlassov V, Waheed Y, Weldesamuel GT, Werdecker A, Wiangkham T, Wolde HF, Woldeyes DH, Wondafrash DZ, Wondmeneh TG, Wondmeneh AB, Wu AM, Yadav R, Yadollahpour A, Yano Y, Yaya S, Yazdi-Feyzabadi V, Yip P, Yisma E, Yonemoto N, Yoon SJ, Youm Y, Younis MZ, Yousefi Z, Yu Y, Yu C, Yusefzadeh H, Moghadam TZ, Zaidi Z, Zaman SB, Zamani M, Zamanian M, Zandian H, Zarei A, Zare F, Zhang ZJ, Zhang Y, Zodpey S, Dandona L, Dandona R, Degenhardt L, Dharmaratne SD, Hay SI, Mokdad AH, Reiner RC Jr, Sartorius B, Vos T. Global injury morbidity and mortality from 1990 to 2017: results from the Global Burden of Disease Study 2017. *Inj Prev.* 2020; 26(Supp 1):i96-i114.

344. Ribeiro D, Sousa A, Nicola P, Ferreira de Oliveira JMP, Rufino AT, Silva M, Freitas M, Carvalho F, Fernandes E. -Carotene and its physiological metabolites: Effects on oxidative status regulation and genotoxicity in in vitro models. *Food Chem Toxicol.* 2020;141:111392.
345. Calina D, Docea AO, Petrakis D, Egorov AM, Ishmukhametov AA, Gabibov AG, Shtilman MI, Kostoff R, Carvalho F, Vinceti M, Spandidos DA, Tsatsakis A. Towards effective COVID-19 vaccines: Updates, perspectives and challenges (Review). *Int J Mol Med.* 2020;46(1):3-16.
346. Soares J, Costa VM, Gaspar H, Santos S, Bastos ML, Carvalho F, Capela JP. Adverse outcome pathways induced by 3,4-dimethylmethcathinone and 4-methylmethcathinone in differentiated human SH-SY5Y neuronal cells. *Arch Toxicol.* 2020;94(7):2481-2503.
347. Faria AC, Carmo H, Carvalho F, Silva JP, Bastos ML, Dias da Silva D. Drinking to death: Hyponatraemia induced by synthetic phenethylamines. *Drug Alcohol Depend.* 2020;212:108045.
348. Araujo AM, Bastos ML, Carvalho F, Guedes de Pinho P, Carvalho M. Effect of temperature on 3,4-Methylenedioxypyrovalerone (MDPV)-induced metabolome disruption in primary mouse hepatic cells. *Toxicology.* 2020;441:152503.
349. Andronis C, Silva JP, Lekka E, Virvilis V, Carmo H, Bampali K, Ernst M, Hu Y, Loryan I,

Richard J, Carvalho F, Savic MM. Molecular basis of mood and cognitive adverse events elucidated via a combination of pharmacovigilance data mining and functional enrichment analysis. *Arch Toxicol.* 2020;94(8):2829-2845.

350. Local Burden of Disease Diarrhoea Collaborators. Mapping geographical inequalities in childhood diarrhoeal morbidity and mortality in low-income and middle-income countries, 2000-17: analysis for the Global Burden of Disease Study 2017. *Lancet.* 2020;395(10239):1779-1801.

351. GBD Chronic Respiratory Disease Collaborators. Prevalence and attributable health burden of chronic respiratory diseases, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet Respir Med.* 2020;8(6):585-596.

352. Vilas-Boas V, Carvalho F, Espina B. Magnetic Hyperthermia for Cancer Treatment: Main Parameters Affecting the Outcome of In Vitro and In Vivo Studies. *Molecules.* 2020;25(12):2874.

353. LBD Double Burden of Malnutrition Collaborators. Author Correction: Mapping local patterns of childhood overweight and wasting in low- and middle-income countries between 2000 and 2017. *Nat Med.* 2020;26(8):1308.

354. Barbosa J, Faria J, Garcez F, Leal S, Afonso LP, Nascimento AV, Moreira R, Queiros O, Carvalho F, Dinis-Oliveira RJ. Repeated Administration of Clinical Doses of Tramadol and Tapentadol Causes Hepato- and Nephrotoxic Effects in Wistar Rats. *Pharmaceuticals (Basel).* 2020;13(7):149.

355. Local Burden of Disease Diarrhoea Collaborators. Mapping geographical inequalities in oral rehydration therapy coverage in low-income and middle-income countries, 2000-17. *Lancet Glob Health.* 2020;8(8):e1038-e1060.

356. Pascual Pastor F, Isorna Folgar M, Carvalho N, Carvalho F, Arias Horcajadas F. Therapeutic Cannabis and COVID-19: between opportunism and infoxication. *Adicciones.* 2020;32(3):167-172.

357. Local Burden of Disease WaSH Collaborators. Mapping geographical inequalities in access to drinking water and sanitation facilities in low-income and middle-income countries, 2000-17. *Lancet Glob Health.* 2020;8(9):e1162-e1185.

358. Local Burden of Disease 2019 Neglected Tropical Diseases Collaborators. The global distribution of lymphatic filariasis, 2000-18: a geospatial analysis. *Lancet Glob Health.* 2020;8(9):e1186-e1194.

359. James SL, Castle CD, Dingels ZV, Fox JT, Hamilton EB, Liu Z, Roberts NLS, Sylte DO, Bertolacci GJ, Cunningham M, Henry NJ, LeGrand KE, Abdelalim A, Abdollahpour I, Abdulkader RS, Abedi A, Abegaz KH, Abosetugn AE, Abushouk AI, Adebayo OM, Adsuar JC, Advani SM, Agudelo-Botero M, Ahmad T, Ahmed MB, Ahmed R, Eddine Aichour MT, Alahdab F, Alanezi FM, Alema NM, Alemu BW, Alghnam SA, Ali BA, Ali S, Alinia C, Alipour V, Aljunid SM, Almasi-Hashiani A, Almasri NA, Altirkawi K, Abdeldayem Amer YS, Andrei CL, Ansari-Moghaddam A, T Antonio CA Anvari D, Yaw Appiah SC, Arabloo J, Arab-Zozani M, Arefi Z, Aremu O, Ariani F, Arora A, Asaad M, Ayala Quintanilla BP, Ayano G, Ayanore MA, Azarian G, Badawi A, Badiye AD, Baig AA, Bairwa M, Bakhtiari A, Balachandran A, Banach M, Banerjee SK, Banik PC, Banstola A, Barker-Collo SL, Barnighausen TW, Barzegar A, Bayati M, Bazargan-Hejazi S, Bedi N, Behzadifar M, Belete H, Bennett DA, Bensenor IM, Berhe K, Bhagavathula AS, Bhardwaj P, Bhat AG, Bhattacharyya K, Bhutta ZA, Bibi S, Bijani A, Boloor A, Borges G, Borschmann R, Borzi AM, Boufous S, Braithwaite D, Briko NI, Brugha T, Budhathoki SS, Car J, Cardenas R, Carvalho F, Castaldelli-Maia JM, Castaneda-Orjuela CA, Castelpietra G, Catala-Lopez F, Cerin E, Chandan JS, Chapman JR, Chattu VK, Chattu SK, Chatziralli I, Chaudhary N, Cho DY, Choi JJ, Kabir Chowdhury MA, Christopher DJ, Chu DT, Cicuttini FM, Coelho JM, Costa VM, Dahlawi SMA, Daryani A, Davila-Cervantes CA, Leo D, Demeke FM, Demoz GT, Demsie DG, Deribe K, Desai R, Nasab MD, Silva DDD, Dibaji Forooshani ZS, Do HT, Doyle KE, Driscoll TR, Dubljanin E, Adema BD, Eagan AW, Elemineh DA, El-Jaafary SI, El-Khatib Z, Ellingsen CL, Zaki MES, Eskandarieh S, Eyawo O, Faris PS, Faro A, Farzadfar F, Fereshtehnejad SM, Fernandes E, Ferrara P, Fischer F, Folayan MO, Fomenkov AA, Foroutan M, Francis JM, Franklin RC, Fukumoto T, Geberemariam BS, Gebremariam H, Gebremedhin KB, Gebremeskel LG, Gebremeskel GG, Gebremichael B, Gedefaw GA, Geta B, Getenet AB, Ghafourifard M, Ghamari F, Gheshlagh RG, Gholamian A, Gilani SA, Gill TK, Goudarzi AH, Goulart AC, Grada A, Grivna M, Guimaraes RA, Guo Y, Gupta G, Haagsma JA, Hall BJ, Hamadeh RR, Hamidi S, Handiso DW, Haro JM, Hasanzadeh A, Hassan S, Hassanipour S, Hassankhani H, Hassen HY, Havmoeller R, Hendrie D, Heydarpour F, Hijar M, Ho HC, Hoang CL, Hole MK, Holla R, Hossain N, Hosseinzadeh M, Hostiuc S, Hu G, Ibitoye SE, Ilesanmi OS, Inbaraj LR, Naghibi Irvani SS, Mofizul Islam M, Shariful Islam SM, Ivers RQ, Jahani MA, Jakovljevic M, Jalilian F, Jayaraman S, Jayatilleke AU, Jha RP, John-Akinola YO, Jonas JB, Jones KM, Joseph N, Joukar F, Jozwiak JJ, Jungari SB, Jurisson M, Kabir A, Kahsay A, Kalankesh LR, Kalhor R, Kamil TA, Kanchan T, Kapoor N, Karami M, Kasaeian A, Kassaye HG, Kavetsky T, Kayode GA, Keiyoro PN, Kelbore AG, Khader YS, Khafaie MA, Khalid N, Khalil IA, Khalilov R, Khan M, Khan EA, Khan J, Khanna T, Khazaei S,



Khazaie H, Khundkar R, Kiririthio DN, Kim YE, Kim YJ, Kim D, Kisa S, Kisa A, Komaki H, Kondlahalli SKM, Koolivand A, Korshunov VA, Koyanagi A, Kraemer MUG, Krishan K, Defo BK, Bicer BK, Kugbey N, Kumar N, Kumar M, Kumar V, Kumar N, Kumares G, Lami FH, Lansingh VC, Lasrado S, Latifi A, Lauriola P, Vecchia C, Leasher JL, Huey Lee SW, Li S, Liu X, Lopez AD, Lotufo PA, Lyons RA, Machado DB, Madadin M, Abd El Razek MM, Mahotra NB, Majdan M, Majeed A, Maled V, Malta DC, Manafi N, Manafi A, Manda AL, Manjunatha N, Mansour-Ghanaei F, Mansournia MA, Maravilla JC, Mason-Jones AJ, Masoumi SZ, Massenbourg BB, Maulik PK, Mehndiratta MM, Melketsedik ZA, Memiah PTN, Mendoza W, Menezes RG, Mengesha MM, Meretoja TJ, Meretoja A, Merie HE, Mestrovic T, Miazgowski B, Miazgowski T, Miller TR, Mini GK, Mirica A, Mirrakhimov EM, Mirzaei-Alavijeh M, Mithra P, Moazen B, Moghadaszadeh M, Mohamadi E, Mohammad Y, Darwesh AM, Mohammadian-Hafshejani A, Mohammadpourhodki R, Mohammed S, Mohammed JA, Mohebi F, Mohseni Bandpei MA, Molokhia M, Monasta L, Moodley Y, Moradi M, Moradi G, Moradi-Lakeh M, Moradzadeh R, Morawska L, Velasquez IM, Morrison SD, Mossie TB, Muluneh AG, Musa KI, Mustafa G, Naderi M, Nagarajan AJ, Naik G, Naimzada MD, Najafi F, Nangia V, Nascimento BR, Naserbakht M, Nayak V, Nazari J, Ndwandwe DE, Negozi I, Ngunjiri JW, Nguyen TH, Nguyen CT, Nguyen DN, Thi Nguyen HL, Nikbakhsh R, Anggraini Ningrum DN, Nnaji CA, Ofori-Asenso R, Ogbo FA, Oghenetega OB, Oh IH, Olagunju AT, Olagunju TO, Bali AO, Onwujekwe OE, Orpana HM, Ota E, Otstavnov N, Otstavnov SS, P A M, Padubidri JR, Pakhale S, Pakshir K, Panda-Jonas S, Park EK, Patel SK, Pathak A, Pati S, Paulos K, Peden AE, Filipino Pepito VC, Pereira J, Phillips MR, Polibin RV, Polinder S, Pourmalek F, Pourshams A, Poustchi H, Prakash S, Angga Pribadi DR, Puri P, Syed ZQ, Rabiee N, Rabiee M, Radfar A, Rafay A, Rafiee A, Rafiei A, Rahim F, Rahimi S, Rahman MA, Rajabpour-Sanati A, Rajati F, Rakovac I, Rao SJ, Rashedi V, Rastogi P, Rathi P, Rawaf S, Rawal L, Rawassizadeh R, Renjith V, Resnikoff S, Rezapour A, Ribeiro AI, Rickard J, Rios Gonzalez CM, Roeber L, Ronfani L, Roshandel G, Saddik B, Safarpour H, Safdarian M, Mohammad Sajadi S, Salamati P, Rashad Salem MR, Salem H, Salz I, Samy AM, Sanabria J, Riera LS, Santric Milicevic MM, Sarker AR, Sarveazad A, Sathian B, Sawhney M, Sayyah M, Schwebel DC, Seedat S, Senthilkumaran S, Seyedmousavi S, Sha F, Shaahmadi F, Shahabi S, Shaikh MA, Shams-Beyranvand M, Sheikh A, Shigematsu M, Shin JI, Shiri R, Siabani S, Sigfusdottir ID, Singh JA, Singh PK, Sinha DN, Soheili A, Soriano JB, Sorrie MB, Soyiri IN, Stokes MA, Sufiyan MB, Sykes BL, Tabares-Seisdedos R, Tabb KM, Taddele BW, Tefera YM, Tehrani-Banihashemi A, Tekulu GH, Tesema Tesema AK, Tesfay BE, Thapar R, Titova MV, Tlaye KG, Tohidinik HR, Topor-Madry R, Tran KB, Tran BX, Tripathy JP, Tsai AC, Tsatsakis A, Car LT, Ullah I, Ullah S, Unnikrishnan B, Upadhyay E, Uthman OA, Valdez PR, Vasankari TJ, Veisani Y, Venketasubramanian N, Violante FS, Vlassov V, Waheed Y, Wang YP, Wiangkham T, Wolde HF, Woldeyes DH, Wondmeneh TG, Wondmieneh AB, Wu AM, Wyper GMA, Yadav R, Yadollahpour A, Yano Y, Yaya S, Yazdi-Feyzabadi V, Ye P, Yip P, Yisma E, Yonemoto N, Yoon SJ, Youm Y, Younis MZ, Yousefi Z, Yu C, Yu Y, Moghadam TZ, Zaidi Z, Zaman SB, Zamani M, Zandian H, Zarei F, Zhang ZJ, Zhang Y, Ziapour A, Zodpey S, Dandona R, Dharmaratne SD, Hay SI, Mokdad AH, Pigott DM, Reiner RC, Vos T. Estimating global injuries morbidity and mortality: methods and data used in the Global Burden of Disease 2017 study. *Inj Prev.* 2020;26(Supp1):i125-i153.

360. Calina D, Hartung T, Docea AO, Spandidos DA, Egorov AM, Shtilman MI, Carvalho F, Tsatsakis A. COVID-19 vaccines: ethical framework concerning human challenge studies. *Daru.* 2020;28(2):807-812.

361. GBD 2019 Universal Health Coverage Collaborators. Measuring universal health coverage based on an index of effective coverage of health services in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet.* 2020; 396(10258):1250-1284.

362. Alexandre J, Malheiro R, Dias da Silva D, Carmo H, Carvalho F, Silva JP. The Synthetic Cannabinoids THJ-2201 and 5F-PB22 Enhance In Vitro CB1 Receptor-Mediated Neuronal Differentiation at Biologically Relevant Concentrations. *Int J Mol Sci.* 2020;21(17):6277.

363. Costa VM, Capela JP, Sousa JR, Eleuterio RP, Rodrigues PRS, Soares-Sousa JL, Carvalho RA, Lourdes Bastos M, Duarte JA, Remiao F, Almeida MG, Varner KJ, Carvalho F. Mitoxantrone impairs proteasome activity and prompts early energetic and proteomic changes in HL-1 cardiomyocytes at clinically relevant concentrations. *Arch Toxicol.* 2020;94(12):4067-4084.

364. Gomes TM, Dias da Silva D, Carmo H, Carvalho F, Silva JP. Epigenetics and the endocannabinoid system signaling: An intricate interplay modulating neurodevelopment. *Pharmacol Res.* 2020;162:105237.

365. GBD 2019 Viewpoint Collaborators. Five insights from the Global Burden of Disease Study 2019. *Lancet.* 2020;396(10258):1135-1159.

366. GBD 2019 Demographics Collaborators. Global age-sex-specific fertility, mortality, healthy life expectancy (HALE), and population estimates in 204 countries and territories, 1950-2019: a

- comprehensive demographic analysis for the Global Burden of Disease Study 2019. *Lancet*. 2020;396(10258):1160-1203.
367. GBD 2019 Diseases and Injuries Collaborators. Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*. 2020;396(10258):1204-1222.
368. GBD 2019 Risk Factors Collaborators. Global burden of 87 risk factors in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*. 2020;396(10258):1223-1249.
369. Rufino AT, Costa VM, Carvalho F, Fernandes E. Flavonoids as antiobesity agents: A review. *Med Res Rev*. 2021;41(1):556-585.
370. Araujo AM, Carvalho M, Costa VM, Duarte JA, Dinis-Oliveira RJ, Bastos ML, Guedes de Pinho P, Carvalho F. In vivo toxicometabolomics reveals multi-organ and urine metabolic changes in mice upon acute exposure to human-relevant doses of 3,4-methylenedioxypyrovalerone (MDPV). *Arch Toxicol*. 2021;95(2):509-527.
371. Roth GA, Mensah GA, Johnson CO, Addolorato G, Ammirati E, Baddour LM, Barengo NC, Beaton AZ, Benjamin EJ, Benziger CP, Bonny A, Brauer M, Brodmann M, Cahill TJ, Carapetis J, Catapano AL, Chugh SS, Cooper LT, Coresh J, Criqui M, DeCleene N, Eagle KA, Emmons-Bell S, Feigin VL, Fernandez-Sola J, Fowkes G, Gakidou E, Grundy SM, He FJ, Howard G, Hu F, Inker L, Karthikeyan G, Kassebaum N, Koroshetz W, Lavie C, Lloyd-Jones D, Lu HS, Mirijello A, Temesgen AM, Mokdad A, Moran AE, Muntner P, Narula J, Neal B, Ntsekhe M, Moraes de Oliveira G, Otto C, Owolabi M, Pratt M, Rajagopalan S, Reitsma M, Ribeiro ALP, Rigotti N, Rodgers A, Sable C, Shakil S, Sliwa-Hahnle K, Stark B, Sundstrom J, Timpel P, Tleyjeh IM, Valgimigli M, Vos T, Whelton PK, Yacoub M, Zuhlke L, Murray C, Fuster V; GBD-NHLBI-JACC Global Burden of Cardiovascular Diseases Writing Group. Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study. *J Am Coll Cardiol*. 2020;76(25):2982-3021.
372. Local Burden of Disease Vaccine Coverage Collaborators. Mapping routine measles vaccination in low- and middle-income countries. *Nature*. 2021;589(7842):415-419.
373. Farsalinos K, Poulas K, Kouretas D, Vantarakis A, Leotsinidis M, Kouvelas D, Docea AO, Kostoff R, Gerotziapas GT, Antoniou MN, Polosa R, Barbouni A, Yiakoumaki V, Giannouchos TV, Bagos PG, Lazopoulos G, Izotov BN, Tutelyan VA, Aschner M, Hartung T, Wallace HM, Carvalho F, Domingo JL, Tsatsakis A. Improved strategies to counter the COVID-19 pandemic: Lockdowns vs. primary and community healthcare. *Toxicol Rep*. 2021;8:1-9.
374. Barbosa J, Faria J, Garcez F, Leal S, Afonso LP, Nascimento AV, Moreira R, Pereira FC, Queiros O, Carvalho F, Dinis-Oliveira RJ. Repeated Administration of Clinically Relevant Doses of the Prescription Opioids Tramadol and Tapentadol Causes Lung, Cardiac, and Brain Toxicity in Wistar Rats. *Pharmaceuticals (Basel)*. 2021;14(2):97.
375. Couto RAS, Coelho C, Mounsssef B Jr, Morais SFA, Lima CD, Dos Santos WTP, Carvalho F, Rodrigues CMP, Braga AAC, Goncalves LM, Quinaz MB. 3,4-Methylenedioxypyrovalerone (MDPV) Sensing Based on Electropolymerized Molecularly Imprinted Polymers on Silver Nanoparticles and Carboxylated Multi-Walled Carbon Nanotubes. *Nanomaterials (Basel)*. 2021;11(2):353.
376. Roque Bravo R, Carmo H, Valente MJ, Silva JP, Carvalho F, Bastos ML, Dias da Silva D. From street to lab: in vitro hepatotoxicity of buphedrone, butylone and 3,4-DMMC. *Arch Toxicol*. 2021;95(4):1443-1462.
377. Proenca C, Ribeiro D, Freitas M, Carvalho F, Fernandes E. A comprehensive review on the antidiabetic activity of flavonoids targeting PTP1B and DPP-4: a structure-activity relationship analysis. *Crit Rev Food Sci Nutr*. 2021:1-57.
378. Amir S, Shah STA, Mamoulakis C, Docea AO, Kalantzi OI, Zachariou A, Calina D, Carvalho F, Sofikitis N, Makriganakis A, Tsatsakis A. Endocrine Disruptors Acting on Estrogen and Androgen Pathways Cause Reproductive Disorders through Multiple Mechanisms: A Review. *Int J Environ Res Public Health*. 2021;18(4):1464.
379. Lobato-Freitas C, Brito-da-Costa AM, Dinis-Oliveira RJ, Carmo H, Carvalho F, Silva JP, Dias-da-Silva D. Overview of Synthetic Cannabinoids ADB-FUBINACA and AMB-FUBINACA: Clinical, Analytical, and Forensic Implications. *Pharmaceuticals (Basel)*. 2021;14(3):186.
380. Campeao M, Fernandes L, Pita IR, Lemos C, Ali SF, Carvalho F, Rodrigues- Santos P, Fontes-Ribeiro CA, Soares E, Viana SD, Pereira FC. Acute MDPV Binge Paradigm on Mice Emotional Behavior and Glial Signature. *Pharmaceuticals (Basel)*. 2021;14(3):271.
381. Reis-Mendes A, Dores-Sousa JL, Padrao AI, Duarte-Araujo M, Duarte JA, Seabra V, Goncalves-Monteiro S, Remiao F, Carvalho F, Sousa E, Bastos ML, Costa VM. Inflammation as a Possible Trigger for Mitoxantrone-Induced Cardiotoxicity: Na In Vivo Study in Adult and Infant Mice. *Pharmaceuticals (Basel)*. 2021;14(6):510.

382. Johnson SC, Cunningham M, Dippenaar IN, Sharara F, Wool EE, Agesa KM, Han C, Miller-Petrie MK, Wilson S, Fuller JE, Balassyano S, Bertolacci GJ, Davis Weaver N; GBD Cause of Death Collaborators, Lopez AD, Murray CJL, Naghavi M. Public health utility of cause of death data: applying empirical algorithms to improve data quality. *BMC Med Inform Decis Mak.* 2021;21(1):175.
383. Local Burden of Disease HIV Collaborators. Subnational mapping of HIV incidence and mortality among individuals aged 15-49 years in sub-Saharan Africa, 2000-18: a modelling study. *Lancet HIV.* 2021 Jun;8(6):e363-e375.
384. Soares J, Costa VM, Bastos ML, Carvalho F, Capela JP. An updated review on synthetic cathinones. *Arch Toxicol.* 2021 Sep;95(9):2895-2940.
385. Brandao SR, Reis-Mendes A, Domingues P, Duarte JA, Bastos ML, Carvalho F, Ferreira R, Costa VM. Exploring the aging effect of the anticancer drugs doxorubicin and mitoxantrone on cardiac mitochondrial proteome using a murine model. *Toxicology.* 2021;459:152852.
386. GBD 2020, Release 1, Vaccine Coverage Collaborators. Measuring routine childhood vaccination coverage in 204 countries and territories, 1980-2019: a systematic analysis for the Global Burden of Disease Study 2020, Release 1. *Lancet.* 2021;398(10299):503-521.
387. Cromwell EA, Osborne JCP, Unnasch TR, Basanez MG, Gass KM, Barbre KA, Hill E, Johnson KB, Donkers KM, Shirude S, Schmidt CA, Adekanmbi V, Adetokunboh OO, Afarideh M, Ahmadpour E, Ahmed MB, Akalu TY, Al-Aly Z, Alanezi FM, Alanzi TM, Alipour V, Andrei CL, Ansari F, Ansha MG, Anvari D, Appiah SCY, Arabloo J, Arnold BF, Ausloos M, Ayanore MA, Baig AA, Banach M, Barac A, Barnighausen TW, Bayati M, Bhattacharyya K, Bhutta ZA, Bibi S, Bijani A, Bohlouli S, Bohluli M, Brady OJ, Bragazzi NL, Butt ZA, Carvalho F, Chatterjee S, Chattu VK, Chattu SK, Cormier NM, Dahlawi SMA, Damiani G, Daoud F, Darwesh AM, Daryani A, Deribe K, Dharmaratne SD, Diaz D, Do HT, El Sayed Zaki M, El Tantawi M, Elemineh DA, Faraj A, Fasihi Harandi M, Fatahi Y, Feigin VL, Fernandes E, Foigt NA, Foroutan M, Franklin RC, Gubari MIM, Guido D, Guo Y, Haj-Mirzaian A, Hamagharib Abdullah K, Hamidi S, Herteliu C, Hidru HD, Higazi TB, Hossain N, Hosseinzadeh M, Househ M, Ilesanmi OS, Ilic MD, Iqbal U, Irvani SSN, Jha RP, Joukar F, Jozwiak JJ, Kabir Z, Kalankesh LR, Kalhor R, Karami Matin B, Karimi SE, Kasaeian A, Kavetsky T, Kayode GA, Kazemi Karyani A, Kelbore AG, Keramati M, Khalilov R, Khan EA, Khan MNN, Khatib K, Khater MM, Kianipour N, Kibret KT, Kim YJ, Kosen S, Krohn KJ, Kusuma D, La Vecchia C, Lansing VC, Lee PH, LeGrand KE, Li S, Longbottom J, Magdy Abd El Razek H, Magdy Abd El Razek M, Maleki A, Mamun AA, Manafi A, Manafi N, Mansournia MA, Martins-Melo FR, Mazidi M, McAlinden C, Meharie BG, Mendoza W, Mengesha EW, Mengistu DT, Mereta ST, Mestrovic T, Miller TR, Miri M, Moghadaszadeh M, Mohammadian-Hafshejani A, Mohammadpourhodki R, Mohammed S, Mohammed S, Moradi M, Moradzadeh R, Moraga P, Mosser JF, Naderi M, Nagarajan AJ, Naik G, Negoii I, Nguyen CT, Nguyen HLT, Nguyen TH, Nikbakhsh R, Oancea B, Olagunju TO, Olagunju AT, Omar Bali A, Onwujekwe OE, Pana A, Pourjafar H, Rahim F, Rahman MHU, Rathi P, Rawaf S, Rawaf DL, Rawassizadeh R, Resnikoff S, Reta MA, Rezapour A, Rubagotti E, Rubino S, Sadeghi E, Saghafipour A, Sajadi SM, Samy AM, Sarmiento-Suarez R, Sawhney M, Schipp MF, Shaheen AA, Shaikh MA, Shamsizadeh M, Sharafi K, Sheikh A, Shetty BSK, Shin JI, Shivakumar KM, Simonetti B, Singh JA, Skiadaresi E, Soheili A, Soltani S, Spurlock EE, Sufiyan MB, Tabuchi T, Tapak L, Thompson RL, Thomson AJ, Traini E, Tran BX, Ullah I, Ullah S, Uneke CJ, Unnikrishnan B, Uthman OA, Vinkeles Melchers NVS, Violante FS, Wolde HF, Wonde TE, Yamada T, Yaya S, Yazdi-Feyzabadi V, Yip P, Yonemoto N, Yousof HSA, Yu C, Yu Y, Yusefzadeh H, Zaki L, Zaman SB, Zamanian M, Zhang ZJ, Zhang Y, Ziapour A, Hay SI, Pigott DM. Predicting the environmental suitability for onchocerciasis in Africa as an aid to elimination planning. *PLoS Negl Trop Dis.* 2021;15(7):e0008824.
388. GBD 2019 Dementia Collaborators. Use of multidimensional item response theory methods for dementia prevalence prediction: an example using the Health and Retirement Survey and the Aging, Demographics, and Memory Study. *BMC Med Inform Decis Mak.* 2021;21(1):241.
389. GBD 2019 Under-5 Mortality Collaborators. Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. *Lancet.* 2021; 398(10303):870-905.
390. GBD 2019 Tuberculosis Collaborators. Global, regional, and national sex differences in the global burden of tuberculosis by HIV status, 1990-2019: results from the Global Burden of Disease Study 2019. *Lancet Infect Dis.* 2021 Sep 23:S1473-3099(21)00449-7.
391. Slovackova J, Slavik J, Kulich P, Vecera J, Kovac O, Paculova H, Strakova N, Fedr R, Silva JP, Carvalho F, Machala M, Prochazkova J. Polychlorinated environmental toxicants affect sphingolipid metabolism during neurogenesis in vitro. *Toxicology.* 2021 Nov;463:152986.

392. Kinyoki D, Osgood-Zimmerman AE, Bhattacharjee NV; Local Burden of Disease Anaemia Collaborators, Kassebaum NJ, Hay SI. Anemia prevalence in women of reproductive age in low- and middle-income countries between 2000 and 2018. *Nat Med.* 2021;27(10):1761-1782.
393. Roque Bravo R, Carmo H, Valente MJ, Silva JP, Carvalho F, Bastos ML, Dias da Silva D. 4-Fluoromethamphetamine (4-FMA) induces in vitro hepatotoxicity mediated by CYP2E1, CYP2D6, and CYP3A4 metabolism. *Toxicology.* 2021;463:152988.
394. Araujo AM, Carvalho F, Guedes de Pinho P, Carvalho M. Toxicometabolomics: Small Molecules to Answer Big Toxicological Questions. *Metabolites.* 2021;11(10):692.
395. Dias-Carvalho A, Ferreira M, Ferreira R, Bastos ML, Sa SI, Capela JP, Carvalho F, Costa VM. Four decades of chemotherapy-induced cognitive dysfunction: comprehensive review of clinical, animal and in vitro studies, and insights of key initiating events. *Arch Toxicol.* 2021 (in press)
396. GBD 2019 Adolescent Mortality Collaborators. Global, regional, and national mortality among young people aged 10-24 years, 1950-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet.* 2021;398(10311):1593-1618.
397. Rufino, A.; Ramalho, A.; Sousa, A.; de Oliveira, J.; Freitas, P.; Gomez, M.; Pineiro-Redondo, Y.; Rivas, J.; Carvalho, F.; Fernandes, E.; Freitas, M. Protective Role of Flavonoids against Intestinal Pro-Inflammatory Effects of Silver Nanoparticles. *Molecules* 2021, 26(21), 6610.
398. Diana Dias da Silva, Joao P. Silva, Helena Carmo, Felix Carvalho (2021) Neurotoxicity of psychoactive substances: a mechanistic overview. *Current Opinion in Toxicology.* (In press)

#### FULL SCIENTIFIC PAPERS IN NATIONAL JOURNALS

1. Anabela Silva, Felix Carvalho, Isabel Silveira (1987) Algumas notas sobre antidepressivos. *Revista Portuguesa de Farmacia* 37 (4):137-142.
2. Felix Carvalho, Maria de Lourdes Bastos, Margarida Ferreira (1993) Hepatotoxicidade do paracetamol. *Arquivos do Instituto Nacional de Saude* 19:15-25.
3. Maria de Lurdes Bastos, Felix Carvalho, Fernando Remiao, Maria Elisa Soares, Margarida Ferreira (1995) Marcadores bioquimicos indicadores da toxicidade dos farmacos. *Revista Portuguesa de Farmacia* 45 (1):11-15.
4. Felix Carvalho, Maria de Lourdes Bastos (1997) Estudo da hepatotoxicidade da anfetamina. *Ensaio in vitro. Revista Portuguesa de Farmacia* 47:111-120.
5. Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos (1998) Avaliacao dos efeitos toxicos das anfetaminas no Homem - O que tem sido feito em Portugal? *Boletim de Medicina Legal e Toxicologia Forense* 12(1):143-147.
6. Rui Castro, Catarina Prata, Luis Oliveira, Maria Joao Carvalho, Josefina Santos, Felix Carvalho, Teresa Morgado (2005) Intoxicacao por Paraquato e terapeutica com hemocarboperfusao. *Acta Medica Portuguesa* 18:423-432.
7. Maria Teresa Ferreira, Rita Ferreira, Felix Carvalho, Jose Alberto Duarte (2006) Influencia do exercicio fisico em marcadores de cardiotoxicidade aguda, induzida pela administracao de d-anfetamina, no modelo animal. *Revista Portuguesa de Cardiologia* 25 (11):983-996.
8. Jorge P. Pinto, Sara Ribeiro, Helena Pontes, Shifaan Thowfeequ, David Tosh, Felix Carvalho, Graca Porto (2009) A eritropoetina medeia a expressao de hepcidina em hepatocitos atraves da via de sinalizacao do EPOR e da regulacao de C/EBP. *ABO - Revista de Medicina Transfusional* 39:23-30.
9. Ricardo Jorge Dinis-Oliveira, Rui Nunes, Felix Carvalho, Agostinho Santos, Helena Teixeira, Duarte Nuno Vieira, Teresa Magalhaes (2010) Procedimentos tecnicos, eticos e legais da competencia do medico no cumprimento da lei da fiscalizacao da conducao rodoviaria sob influencia do alcool e substancias psicotropicas. *Acta Medica Portuguesa* 23:1059-1082.
10. Vera Marisa Costa, Maria de Lourdes Bastos, Felix Carvalho (2011) Genero masculino vs feminino: factor relevante para as respostas farmacologicas e efeitos adversos de farmacos? *Acta Farmaceutica Portuguesa* vol 1, nº 1, 55-64.

#### OTHER NATIONAL PUBLICATIONS

1. Margarida Ferreira, Maria Eulalia Mendes, Maria de Lourdes Bastos, Maria Elisa Soares, Felix Carvalho, Fernando Remiao (1996) A rolha de cortica: O material vedante ideal das bebidas alcoolicas de prestigio comercial. *CTCOR Magazine* 1(3):78-84.
2. Felix Carvalho (2002) Utilizacao de esteroides anabolizantes no desporto: a nandrolona. *Revista da Liga dos Amigos do Hospital de Santo Tirso* 16:22-24.
3. Felix Carvalho (2004) Medicamentos genericos. *Revista da Liga dos Amigos do Hospital de*

Santo Tirso 18:8-9.

4. Felix Carvalho (2005) Farmacologia e toxicologia das anfetaminas. Mundo Farmaceutico 15:66-70.
5. Felix Carvalho (2006) O impacto ambiental dos medicamentos. Mundo Farmaceutico 24:12-13.
6. Felix Carvalho (2007) Conducao sob a influencia de alcool ou de substancias psicotropicas. Revista da Liga dos Amigos do Hospital de Santo Tirso 21:37-39.
7. Felix Carvalho (2008) Possiveis consequencias neurologicas, fisiologicas e comportamentais para os consumidores de ecstasy. Exit 14:10-12.
8. Joao Martins, Miguel Castelo-Branco, Ana Batista, Barbara Oliveiros, Ana Raquel Santiago, Joana Galvao, Eduarda Fernandes, Felix Carvalho, Claudia Cavadas e Antonio F. Ambrosio (2012) Consumo de ecstasy influencia visao? Artigo publicado na revista OpticaPro, na seccao Artigo de Interesse, nº 112, dezembro de 2012, Pags. 38-41.
9. Joao Martins, Miguel Castelo-Branco, Ana Batista, Barbara Oliveiros, Ana Raquel Santiago, Joana Galvao, Eduarda Fernandes, Felix Carvalho, Claudia Cavadas e Antonio F. Ambrosio (2012) Consumo de ecstasy influencia visao? Artigo publicado na revista OftalPro, na seccao Artigo de Interesse, nº 19, edicao de outubro, novembro e dezembro de 2012, Pags. 30-33.

#### EXTENDED ABSTRACTS

1. Jorge Goncalves, Felix Carvalho, Serafim Guimaraes (1991) Does the distance between nerve varicosities and adrenoceptors play any role in the relative contribution of ATP/noradrenaline for postjunctional response? In Langer SZ, Galzin AM, Costentin J (Eds) Presynaptic receptors and neuronal transporters (Advances in the biosciences), Pergamon Press, Oxford, New York, Seoul, Tokyo, (ISBN-13: 978-0080411651); pp: 29-30.
2. Eduarda Fernandes, Maria Fernanda Borges, Francisco Silva, Felix Carvalho, Maria de Lourdes Bastos (1998) Evaluation of superoxide scavenging activity of cinnamic acid derivatives. Polyphenols Communications. Lille, France (Ed. F. Charbonnier, J. M. Delacote, C. Rolando), Volume 1, 25-26.
3. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2000) Antioxidant activity of Lippia citriodora. Polyphenols Communications. Freising-Weihestephan (Germany) (Ed. Martens S, Treutter D, Forkmann G), Volume 2, 427-428.
4. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2001) Antioxidant activity of Hypericum androsaemum infusion. In: Biologically-Active Phytochemicals in Food (Ed: W. Pfannhauser, GR Fenwick, S Khokhar), Royal Society of Chemistry Special Publications, 269:363-365.
5. Teresa Sousa, Eduarda Fernandes, Manuela Morato, Felix Carvalho, Antonio Albino-Teixeira (2002) Antioxidant enzyme activity in mesenteric artery from DPSPX(1,3-dipropyl-8-sulfophenylxanthine)-hypertensive rats. In: The Microcirculation and Vascular Biology. Proceedings of the 22nd Meeting of the European Society for Microcirculation. (Eds. Tooke J, Shore A, Whatmore J), 267-270.
6. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2002) Antioxidant effect of cardoon infusion. Polyphenols Communications. (Ed: Ismail El Hadrami) Volume 1 & 2, Marrakech (Marocco), 321-322.
7. Francisco Amado, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Felix Carvalho, Maria de Lourdes Bastos, Pedro Domingues, Antonio Ferrer-Correia (2002) Analysis of aminochromes by ESI-MS/MS determination of adrenochrome in rat blood. Proceedings - 50th ASMS Conference on Mass Spectrometry and Allied Topics, 437-438.
8. Teresa Sousa, Manuela Morato, Daniela Pinho, Eduarda Fernandes, Felix Carvalho, Antonio Albino-Teixeira (2004) Increased oxidative stress in mesenteric artery from hypertensive rats with activation of the renin-angiotensin system. In: Microcirculation. Proceedings of the 23rd Meeting of the European Society for Microcirculation. (Eds. J.M. Silva, C. Saldanha, V. Oliveira, A. Prie, A. Shore), 137-140.

#### OTHER PUBLICATIONS

##### PUBLICATION IN "PROTEIN DATA BANK (PDB):

1. Jacques Philippe Colletier, Manuela Frasco, Felix Carvalho, Lucia Guilhermino, Jure Stojan, Didier Fournier, Martin Weik (2006) Structure of human butyrylcholinesterase in complex with 10mM HgCl<sub>2</sub>. PDB accession code 2J4C.

#### Projects

##### PARTICIPATION IN FINANCED SCIENTIFIC PROJECTS:

AS PI:



"Development of antidotes for Amanita phalloides poisonings, from in silico to the intoxicated patient" financed by Foundation for Science and Technology (FCT), Reference PTDC/DTP-FTO/4973/2014

"Hepatotoxicity and cardiotoxicity studies of methylenedioxymetamphetamine and its metabolites in Wistar rats", FCT reference POCTI/36099/FCB/2000, started/ended in 01-12-2000 / 30-11-2003.

"Amphetamines and physical exercise. An hazardous combination? ", FCT reference POCTI/ACT/43562/2001, started/ended in 01-01-2003 / 31-12-2005.

"Synthesis and neurotoxic evaluation of methylenedioxymetamphetamine (MDMA; ecstasy) and its metabolites in rat cortical neurons" (supported by the Associated Laboratory REQUIMTE for 2005-2009).

"Evaluation of diepoxybutane toxicokinetics and toxicodynamics in human leukocytes, for a better understanding of the Fanconi Anemia etiology" (supported by Associated Laboratory REQUIMTE for 2010-2012).

"Development of safe paraquat formulations" (supported by University of Porto for 2010-2011).

#### AS MEMBER OF TEAM

"Alteracoes endocrinas e enzimaticas na solha (Platichthys flesus) e na tainha (Mugil cephalus) expostos a contaminantes organicos e metais pesados no estuario do Douro, e seu uso como indicadores de poluicao", financed by Foundation for Science and Technology (FCT), reference: PDCTM/P/MAR/15280/1999.

"Oxidative stress in heart disease: role of catecholamines", FCT reference: PPCDT/SAU-OBS/55849/2004.

"CHOLINEOMANIA - Which kind of metal contamination is efficiently detected by cholinesterase from the marine shrimp Paleamon serratus?", FCT reference PPCDT/MAR/58244/2004, start/end in 01-01-2008.

"Efeitos comportamentais e bioquimicos resultantes da exposicao a MDMA (ecstasy) durante a adolescencia", (Supported by Calouste Gulbenkian Foundation - FCG 65710 in 2004).

"Proteomic study of salivary disorders induced by diabetes", FCT reference PTDC/QUI/72683/2006, start/end in 01-01-2009 / 31-12-2011.

"A role for Nrf2/ARE cytoprotective signalling in iron overload. Adaptive response to oxidative stress as a disease modifier in HFE-associated hereditary hemochromatosis", FCT reference PTDC/SAU / FCF/101177/2008.

"Pre-clinical assays of a GAPDH-based vaccine against Group B Streptococcus infection", FCT reference PTDC/SAU-MIC/111387/2009.

"Interaction of aspirin with antihypertensive drugs - impact on renal oxidative stress, inflammation, local renin-angiotensin system activation and blood pressure control", FCT reference PTDC/SAU-TOX/114166/2009.

"Implications of amphetamine psychostimulants abuse in brain aging", FCT reference PTDC/SAU-FCF/102958/2008.

NeuroSCANN: Assessment of the modulatory effects of Synthetic CANNabinoids on NEURONal development, FCT reference PTDC/SAU-TOX/29584/2017.

Project in course: NeuroDeRisk (<https://neuroderisk.eu/>) - "Innovative Medicines Initiative" (IMI2) project aiming to provide novel validated integrated tools for improving the preclinical prediction of adverse effects of pharmaceuticals on the nervous system and thus help to de-risk drug candidates earlier in the Research and Development phases.

#### NATIONAL PATENT APPLICATIONS:

Portuguese patent Nº: 103420

UTILIZACAO DO PROCESSO DE INDUCAO DA SINTESE DE NOVO DA GLICOPROTEINA P (GP-P) NO TRATAMENTO DAS INTOXICACOES DOS MAMIFEROS POR XENOBIOTICOS

Authors:

Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho

Portuguese patent Nº: 103 480

UTILIZACAO DE SALICILATO COMO ANTIDOTO NAS INTOXICACOES DOS MAMIFEROS PELO PARAQUATO

Authors:

Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho

Portuguese patent N°: 104739

XANTONAS SULFATADAS E ANALOGOS XANTONICOS GLICOSILADOS SULFATADOS COM ACTIVIDADE ANTICOAGULANTE E PROCESSOS PARA A SUA PREPARACAO.

Authors:

Madelena Pinto, Emilia Sousa, Marta Correia-da-Silva, Franklin Marques, Felix Carvalho

INTERNATIONAL PATENT APPLICATIONS:

1. PCT/IB21007/050144

THE USE OF THE PROCESS OF INDUCTION OF DE NOVO SYNTHESIS OF P-GLYCOPROTEIN (P-GP) IN THE TREATMENT AND PREVENTION OF XENOBIOTIC-INDUCED INTOXICATIONS IN MAMMALS"

Authors:

Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho.

2. PCT/IB2007/051799

THE USE OF THE SALICYLATE AS AN ANTIDOTE FOR PARAQUAT INTOXICATIONS IN MAMMALS

Authors:

Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho.

Memberships

MEMBERSHIPS:

- President of EUROTOX (Association of European Toxicologists and European Societies of Toxicology)
- President of the Portuguese Society of Pharmacology
- Board Member of the International Drug Abuse Research Society (IDARS)
- Full Member of the Society of Toxicology (SOT)

ASSOCIATED EDITOR:

Toxicology Reports

Brasilian Journal of Pharmaceutical Sciences

World Academy of Sciences Journal

Current Drug Research Reviews

SECTION EDITOR

Temperature

EDITORIAL BOARD:

Addictions

Food and Chemical Toxicology

Current Research in Toxicology

Current Opinion in Toxicology

Interdisciplinary Toxicology

Journal of Drug and Alcohol Research

Current Molecular Pharmacology

Acta Farmaceutica Portuguesa

ADVISORY BOARD

Pharmacological Research

Congress Organization (Chairman):

- Annual congress of EUROTOX in 2015, at Porto, Portugal.
- XL Meeting of the Portuguese Society of Pharmacology, XXVIII Meeting of Clinical Pharmacology, and IX Meeting of Toxicology, 2-4 December 2009, Porto.
- XLIX Meeting of the Portuguese Society of Pharmacology, XXXVII Meeting of Clinical Pharmacology, and XVIII Meeting of Toxicology, 6-8 February 2019, Porto.

#### Organization of International Symposiums:

- "Amphetamines: from pharmacology to Toxicology, at the EPHAR Congress; Porto, July 14-17 July.
- "International Symposium on Drug Abuse", S. Miguel, Azores, July 28-29, 2008.
- "Drugs of Abuse: Neurotoxicity of Amphetamines", at the "45th Congress of the European Societies of Toxicology (EUROTOX)", Rhodes, Greece, 5-8 October 2008.
- "Human toxicity of pesticides. An inexorable burden to mankind?" at the "XIV International Congress of Toxicology Merida-Mexico October 2-6, 2016.

#### AWARDS

##### MERIT AWARD

Career award attributed by the Santo Tirso City Council Mayor (Portugal), in 25 April 2011.

##### PUBLICATION AWARDS

1. Honor mention in "UCB Pharmacology prizes - 1996 edition", attributed by the Portuguese Society of Pharmacology, for the publication: Hepatoprotective activity of xanthenes and xanthonolignoids against tert-butylhydroperoxide-induced toxicity in rat isolated hepatocytes - comparison with silybin, published in 1995 in *Pharmaceutical Research* 12(11):1756-1760, by Eduarda Fernandes, Felix Carvalho, Fernando Remiao, Maria de Lourdes Bastos, Madalena Pinto and Otto Gottlieb.
2. First prize in "UCB Pharmacology prizes - 1998 edition", attributed by the Portuguese Society of Pharmacology, for the publication: d-Amphetamine induced hepatotoxicity - a possible contribution of catecholamines and hyperthermia for this effect studied in isolated rat hepatocytes, published in 1997, in *Archives of Toxicology* 71:429-436, by Felix Carvalho, Fernando Remiao, Maria Elisa Soares, Rita Catarino, Gloria Queiroz and Maria de Lourdes Bastos.
3. Honorable Mention, by the Society of Toxicology (SOT) Board of Publications Best Paper Award, for the manuscript "Daniel Jose Barbosa, Roman Serrat, Serena Mirra, Marti Quevedo, Elena Gomez de Barreda, Jesus Avila, Luisa Maria Ferreira, Paula Serio Branco, Eduarda Fernandes, Maria de Lourdes Bastos, Joao Paulo Capela, Eduardo Soriano, and Felix Carvalho (2014) The mixture of "ecstasy" and its metabolites impairs mitochondrial fusion/fission equilibrium and trafficking in hippocampal neurons, at in vivo relevant concentrations. *Toxicological Sciences*, 139 (2):407-420."

##### SCIENTIFIC COMMUNICATION AWARDS

1. Best Toxicology communication at the "Congresso Nacional dos Farmaceuticos 2007", in Lisbon, 8-10 March 2007, for the poster presentation "Sodium salicylate: a fully effective antidote against paraquat poisonings in pre-clinical studies" by Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos and Felix Carvalho.
2. Best communication, at the European Association for Vision and Eye Research 2007 Congress (EVER 2007), in Portoroz, Slovenia, 3-6 October 2007, for the poster presentation "Neuropeptide y protects retina neural cells from ecstasy-induced neurotoxicity", by Ana Rita Alvaro, Joao Martins, Ana C Costa, Eduarda Fernandes, Felix Carvalho, Antonio F Ambrosio and Claudia Cavadas.
3. Best communication, at the 4th Annual Meeting of the Portuguese Proteonomics Network (Procura); 1st Meeting of the Portuguese National Mass Spectrometry Network (RNEM), in Aveiro, 10-11 November 2007, for the poster presentation "Effect of adrenaline oxidation process in the protein content of freshly isolated cardiomyocytes", by Renata Silva, Vera Marisa Costa, Rui Vitorino, Francisco Amado, Felix Carvalho, Maria de Lourdes Bastos, Rui A. Carvalho, Marcia Carvalho, and Fernando Remiao.
4. Best communication, at the XIII Simposio Internacional sobre Tratamento do Tabagismo, IX Simposio Internacional sobre Alcool e outras Drogas, I Simposio Latino-americano da International Drug Abuse Research Society, in Rio de Janeiro, Brasil, 2-4 September 2010, for the poster presentation "Effects of MDMA metabolites on the human internal mammary artery through 5-HT receptors", by Catia Melo, Felix Carvalho, Luisa Pinto Ferreira, Manuel Antunes, and Maria Dulce Cotrim.
5. Highly Commended recognition in the 2014 EUROTOX Gerhard-Zbinden Young Scientist Award, for the poster presentation "Maria Joao Valente, Ana Margarida Araujo, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho, Marcia Carvalho (2014) An insight into the mechanisms underlying the hepatotoxicity of cathinone derivatives." at the 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
6. Highly Commended recognition in the 2014 EUROTOX Gerhard-Zbinden Young Scientist Award, for the poster presentation " Jose Luis Soares-Sousa, Jose Alberto Duarte, Vitor Seabra, Maria Lourdes Bastos, Felix Carvalho, Vera Marisa Costa (2014) Mitoxantrone's multiple cardiac targets:

the age factor for toxicity. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September."

7. Best poster award attributed by the European Society of Toxicology In Vitro (ESTIV) to the poster presented at EUROTOX 2016, in Seville: V Vilas Boas, B Espina, Y Kolen'ko, M Banobre Lopez, V Martins, P Freitas, F Carvalho (2016) Targeting chemokine receptor CXCR4 with magnetic particles to eliminate leukaemia cells with magnetic hyperthermia. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

#### PRESENTATIONS AT SCIENTIFIC CONFERENCES

##### ORAL PRESENTATIONS BY INVITATION, AT INTERNATIONAL SCIENTIFIC EVENTS:

1. Felix Carvalho (2001) Pharmaceutical drugs in the environment. Congresso Biomarkers'2001, Povoá de Varzim, 24 a 26 Setembro.
2. Felix Carvalho (2004) The toxicity of amphetamines. 4th Meeting of the Federation of European Pharmacological Societies, EPHAR 2004, Porto, 14 a 17 de Julho.
3. Felix Carvalho (2006) Protective measures against Ecstasy - induced neurotoxicity. The Annual Global Conference on Neuroprotection and Neuroregeneration, Uppsala, Suecia, 1 a 3 de Marco de 2006.
4. Felix Carvalho (2006) Ecstasy and agony. 2nd Symposium "Neurobiology and Drug Abuse", Porto, 21 de Junho de 2006.
5. Felix Carvalho (2007) New antidotes for the treatment of paraquat poisoning. Central Toxicology Laboratory, Syngenta, CTL, Manchester, 1 de Marco.
6. Keynote lecture: Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Amparo Sanchez-Navarro, Jose Alberto Duarte, Maria de Lourdes Bastos, Felix Carvalho (2007) Recent developments in the therapy of paraquat poisoning. XXVII International Congress of the European Association of Poisons Centres and Clinical Toxicologists (EAPCCT), Atenas, Grecia, 1 a 4 de Maio.
7. Felix Carvalho (2007) Binge Administration of MDMA causes long-term oxidative alterations in the adolescent rat brain mitochondria, via monoamine oxidase B. IREFREA meeting: "Risk behaviours and risk factors in recreational nightlife", Coimbra, 6 a 7 de Dezembro.
8. Helena Pontes, Eduarda Fernandes, Helena Carmo, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos (2008) Synergism of hepatotoxic effects between ethanol and ecstasy. International Symposium on Drug Abuse. Sao Miguel, Acores, 28 e 29 de Julho.
9. Helena Carmo, Marc Brulport, Matthias Hermes, Franz Oesch, Renata Silva, Luisa M. Ferreira, Paula S. Branco, Douwe de Boer, Fernando Remiao, Felix Carvalho, Michael R Schon, Niels Krebsfaenger, Johannes Doehmer, Maria de Lourdes Bastos, Jan G. Hengstler (2008) Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine ("Ecstasy") cytotoxicity. International Symposium on Drug Abuse. Sao Miguel, Acores, 28 e 29 de Julho.
10. Teresa Summavielle, Ema Alves, Silvia Fernandes, Zbigniew Binienda, Eduarda Fernandes, Felix Carvalho (2008) Acetyl-L-carnitine protective effects on MDMA-Induced Neurotoxicity. International Symposium on Drug Abuse. Sao Miguel, Acores, 28 e 29 de Julho.
11. Felix Carvalho (2010) Protective effects of chronic green tea consumption on aging-related neurodegeneration. International Symposium on the Pathophysiology of Reactive Oxygen and Nitrogen Species. Salamanca, Espanha, 19 a 21 de Maio.
12. Felix Carvalho (2010) Ecstasy: a activacao metabolica contribui para a sua toxicidade cerebral. XIII Simposio Internacional sobre Tratamento do Tabagismo, IX Simposio Internacional sobre Alcool e outras Drogas, I Simposio Latino Americano da International Drug Abuse Research Society, Rio de Janeiro, Brasil, 2 a 4 de Setembro de 2010.
13. Felix Carvalho (2011) Amphetamine-like legal highs: similar pharmacodynamics, same toxicology? 2011 annual event of the EAD, focusing on 'New synthetic drugs', Varsovia, Polonia, 7 de Julho de 2011.
14. Felix Carvalho (2011) Molecular and cellular mechanisms of ecstasy-induced neurotoxicity. In the Workshop W6 - Neurotoxicity and drug dependence of psychostimulants - The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto de 2011.
15. Felix Carvalho (2013) The potential toxicity of new psychoactive drugs. XX Congreso Espanol de Toxicologia y IV Congreso Iberoamericano de Toxicologia, Salamanca, 26 a 28 de Junho de 2013.
16. Felix Carvalho (2013) Pharmacology and toxicology of the new psychoactive substances. The 51st Annual Meeting of the International Association of Forensic Toxicologists (TIAFT), 2-6 de Setembro.
17. Felix Carvalho (2013) Vias quimicas envolvidas na neurotoxicidade da Ecstasy. XIX Encontro Luso-Galego de Quimica, Vigo, 13-15 de Novembro.

18. Felix Carvalho (2014) Prevencao do envelhecimento cerebral pelo cha verde (*Camellia sinensis*). Palestra no ambito do Programa de Pos-Graduacao em Ciencia de Alimentos da Universidade Estadual de Maringa (UEM), Brasil, 25 de Abril.
19. Felix Carvalho (2014) Farmacologia e Toxicologia das novas substancias psicoactivas. Palestra no ambito do Programa de Pos-Graduacao em Ciencia de Alimentos da Universidade Estadual de Maringa (UEM), Brasil, 25 de Abril.
20. Felix carvalho (2014) Involvement of mitochondria in the neurotoxicity of ecstasy. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
21. Felix Carvalho (2015) New psychoactive substances: are we challenged by new paradigms or just a face lift of old drugs of abuse? The 9th Symposium on Workplace Drug Testing (WDT), Lisbon, May 28-29.
22. Felix Carvalho (2015) Key note lecture: Pharmacology and toxicology of the new psychoactive substances. The 9th International Conference on Nightlife, Substance Use and Related Health Issues, Lisbon, 17-19 June.
23. Felix Carvalho (2015) Key note lecture: Translating research on new psychoactive substances into policy and practice. First European Conference on Addictive Behaviours and Dependencies: Lisbon Addictions 2015, Lisbon, 23-25 September.
24. Felix Carvalho (2016) Neurodevelopmental toxicity of organophosphate pesticides: Mechanistic data and epidemiological studies. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.
25. Baltazar MT, Dinis-Oliveira RJ, Guilhermino L, Duarte JA, Bastos ML, Carvalho F (2016) Improving the human and environmental safety of paraquat. XIV International Congress of Toxicology, in conjunction with the X Mexican Congress of Toxicology, October 2-6.
26. Felix Carvalho (2016) How to improve proficiency of scientific writing. 2016 Porto Anesthesiology International Congress (pre-congress education course), Porto, Portugal, 13-15 October.
27. Felix Carvalho (2017) Involvement of mitochondria in the neurotoxicity of ecstasy. 2nd Edition of National Congress of Toxicology, 3-4th November 2017, Bucharest.

#### ORAL PRESENTATIONS BY INVITATION, AT NATIONAL SCIENTIFIC EVENTS:

1. Felix Carvalho (1996) Novas contribuicoes para o entendimento da hepatotoxicidade das anfetaminas. X Congresso Nacional de Bioquimica, Braga, 31 de Outubro a 2 de Novembro.
2. Felix Carvalho (1998) Regulation of antioxidant systems in response to sustained oxidative stress. XI Congresso Nacional de Bioquimica, Tomar, 28 a 30 de Novembro.
3. Felix Carvalho, Marcia Carvalho, Maria de Lourdes Bastos (1998) Avaliacao dos efeitos toxicos das anfetaminas no homem - o que tem sido feito em portugal? XVII Reuniao da Sociedade Medico-Legal de Portugal, Valongo, 22 a 24 de Outubro.
4. Felix Carvalho (2001) Amphetamine and related compounds: advances in the characterization of the possible mechanisms leading to toxicity. Encontro anual REQUIMTE 2001, Costa da Caparica, 28 a 29 Setembro.
5. Felix Carvalho (2001) Efeitos Toxicologicos de Substancias Dopantes. Ciclo de Conferencias em Medicina Desportiva, Exponor Matosinhos, 11 de Outubro.
6. Felix Carvalho (2003) Drogas de abuso. A ecstasy. Congresso Nacional dos Farmaceuticos 2003. Centro de Congressos de Lisboa, 27 a 29 de Novembro.
7. Felix Carvalho (2004) A toxicidade da ecstasy. XX Ciclo de Conferencias do Departamento de Quimica na Faculdade de Ciencias e Tecnologia da Universidade de Nova Lisboa, Monte da Caparica, 31 de Marco.
8. Felix Carvalho (2004) A toxicidade da ecstasy. V Jornadas de Ciencias Farmaceuticas: Dependencias, Grande Forum da Maia, 19 de Maio.
9. Felix Carvalho (2005) Impacto ambiental de farmacos. Congresso de Toxicologia: uma Ciencia, Varias Vertentes, Fundacao Eng. Antonio de Almeida, Porto, 6 a 7 de Abril.
10. Felix Carvalho (2005) Agentes Psicotropicos - a Ecstasy. Congresso de Toxicologia: uma Ciencia, Varias Vertentes, Fundacao Eng. Antonio de Almeida, Porto. 6 a 7 de Abril.
11. Felix Carvalho (2005) The toxicity of ecstasy. Simposium: "Neurobiology and Drugs of Abuse", IBMC, Porto, 11 de Maio.
12. Felix Carvalho (2005) Impacto ambiental do medicamento. Seminario: "Gestao de Residuos na Fileira do Medicamento", Auditorio do INFARMED, Lisboa, 22 de Junho.



13. Felix Carvalho (2006) Synthesis and neurotoxic evaluation of methylenedioxymethamphetamine (MDMA; Ecstasy) and its metabolites in rat cortical neurons. 4º Encontro anual do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
14. Felix Carvalho (2006) Nandrolona: origens endogenas e exogenas. VI Jornadas de Medicina e Desporto, organizadas pela Associacao Medica de Desporto Cultura e Prazer, Porto, 3 de Junho.
15. Felix Carvalho (2006) Ecstasy and agony. 2nd Simposium: "Neurobiology and Drug Abuse", IBMC, Porto, 21 de Junho.
16. Felix Carvalho (2007) Neurotoxicidade da ecstasy. Estudos in vivo e in vitro. Simposio Cientifico: "Olhares Cruzados Sobre a Droga em Portugal", Sesimbra, 2 e 3 de Marco.
17. Felix Carvalho (2007) Efeitos Toxicologicos das Dependencias. Simposio subordinado ao tema "Novas Dependencias" realizado na Faculdade de Farmacia da Universidade do Porto, com organizacao do Programa de Educacao para a Saude na U.Porto, Sub-Grupo "Dependencias", em 12 de Dezembro.
18. Felix Carvalho (2008) Drogas de abuso no local de trabalho. 7º Congresso Nacional de Saude Ocupacional. Povia de Varzim, 15 de Novembro.
19. Felix Carvalho (2010) Drogas predadoras: muito para alem da vontade. Ciclo de Conferencias - Actualizacao em Dependencias: O Cerebro e a Vontade. Auditorio da Fundacao Bissaya Barreto. Bencanta, Coimbra, 21 a 22 de Janeiro.
20. Felix Carvalho (2011) Consequencias neurologicas, fisiologicas e comportamentais nos consumidores de ecstasy. 1º Encontro da Associacao Portuguesa de Adictologia, Coimbra, 18 de Fevereiro.
21. Felix Carvalho (2011) Agentes dopantes emergentes. VII Ciclo de Conferencias. Do beneficio ao risco no exercicio fisico: Uma abordagem Biomedica. Alfandega do Porto, 31 de Marco de 2011.
22. Felix Carvalho (2011) Efeitos protectores do consumo cronico de cha verde na neurodegeneracao relacionada com o envelhecimento. Ciclo de Palestras no ambito do Mestrado em Bioquimica da Universidade de Aveiro. Aveiro, 17 de maio de 2011.
23. Felix Carvalho (2011) Efeitos toxicologicos das "drogas legais". V Congresso Cientifico Anual do Nucleo de estudantes de Farmacia da Associacao Academica de Coimbra: Toxicologia. Ponto de Situacao e Perspectivas Futuras. Coimbra, 24 e 25 de Novembro de 2011.
24. Felix Carvalho (2011) Neurotoxicidade da ecstasy. Mecanismos e consequencias. II Congresso Nacional de Patologia Dual e Comportamentos Aditivos. Coimbra, 9 a 10 de Fevereiro.
25. Felix Carvalho (2012) O mundo perigoso das "drogas legais". X Jornadas da Saude e Toxicodependencias. Auditorio da Escola Superior de Saude de Leiria, 9 de Novembro.
26. Felix Carvalho (2013) O consumo de "drogas legais": Toxicologia. V Escola de Verao em Educacao por Pares. Escola Superior de Enfermagem de Coimbra, 3 de Maio.
27. Felix Carvalho (2013) Novas drogas e Defices Cognitivos. 6as Jornadas de Enfermagem de Saude Mental da Casa de Saude S. Joao de Deus do Funchal, Funchal, 10 e 11 Outubro.
28. Felix Carvalho (2013) Farmacologia e Toxicologia das novas substancias psicoactivas. Congresso nacional de adictologia: saude, neurociencias e adicoes. Auditorio da Universidade de Aveiro, 21 e 22 de Novembro.
29. Felix Carvalho (2014) Consumo de alcool: Como estabelecer as fronteiras entre os beneficios do uso moderado e a morbilidade do abuso. I Convencao de Comportamentos Aditivos e Dependencias da Madeira, Funchal, 4 a 5 de abril.
30. Felix Carvalho (2013) Doping no Desporto. I Conferencia em Morte, Autopsia e Toxicodependencia. Instituto CRIAP, Lisboa, 25 de Maio.
31. Felix Carvalho (2014) Farmacologia e Toxicologia das novas substancias psicoactivas. VI Congresso de Analises Clinicas e de Saude Publica. Cine Teatro Avenida, Castelo Branco, 7-9 de Marco.
32. Felix Carvalho (2014) Novas substancias psicoativas: mecanismos de acao e toxicidade. IX Congresso Cientifico AEFUP-Toxicomanias e Drogas de Abuso. Faculdade de Farmacia da Universidade do Porto, 20 e 21 de Novembro.
33. Felix Carvalho (2014) Consumo de alcool: como estabelecer as fronteiras entre os beneficios do uso moderado e a morbilidade do abuso? IX Congresso Cientifico AEFUP-Toxicomanias e Drogas de Abuso. Faculdade de Farmacia da Universidade do Porto, 20 e 21 de Novembro.
34. Felix Carvalho (2015) Investigacao sobre a farmacologia e toxicologia das Novas Substancias Psicoativas. Workshop sobre Novas Substancias Psicoativas. Edificio-sede da Policia Judiciaria, Lisboa, 3 de Junho.

35. Felix Carvalho (2015) Seminario: Escrita de artigos científicos. Hospital Geral de Santo Antonio, 20 de Maio.
36. Felix Carvalho (2015) Seminario: Involvement of Mitochondria in the neurotoxicity of ecstasy. Centro de Neurociencias, Coimbra, 10 Julho.
37. Felix Carvalho (2015) Investigacao e legislacao sobre as novas substancias psicoativas em Portugal. Sessao Paralela de Analises Toxicologicas, Bromatologicas, Hidrologicas e Ambientais do Congresso Nacional dos Farmaceuticos'2015, 30 de Outubro de 2015, Centro de Congressos de Lisboa.
38. Felix Carvalho (2016) O papel do conhecimento sobre canabinoides sinteticos na melhoria da intervencao em CAD, na sessao plenaria "O papel do conhecimento na melhoria da intervencao em CAD", II Congresso SICAD, Fundacao Calouste Gulbenkian, Lisboa 5-7 abril.
39. Felix Carvalho (2016) Os canabinoides sinteticos no contexto dos comportamentos aditivos emergentes. Congresso Nacional de Adictologia: "O Tempo e as Adicoes - Ligando a Ciencia, a Clinica e a Politica", 19 e 20 de Maio de 2016 - Hotel Dona Ines - Coimbra.
40. Felix Carvalho (2017) Os riscos ocultos dos canabinoides sinteticos. Workshop: "NPS, desafios, estrategias e resultados", 1 de junho de 2017, Sede da Policia Judiciaria, Lisboa.
41. Felix Carvalho (2017) Development of effective antidotes for Amanita phalloides's intoxications. 20 de setembro de 2017, UC-Biotech, Boocant Park, cantanhede.

#### ORAL PRESENTATIONS BY INVITATION, FOR UNDERGRADUATE STUDENTS AND THE GENERAL PUBLIC

1. Felix Carvalho (2002) A ecstasy mata. Escola Secundaria D. Dinis, Santo Tirso, 20 de Novembro.
2. Felix Carvalho (2003) Os perigos da ecstasy. Escola Secundaria Rodrigues de Freitas, Porto, 17 de Janeiro.
3. Felix Carvalho (2003) Os perigos da ecstasy. Rotary Club de Santo Tirso, Santo Tirso, 18 de Marco.
4. Felix Carvalho (2003) Os perigos da ecstasy. Escola Secundaria Tomaz Pelayo, Santo Tirso, 29 de Maio.
5. Felix Carvalho (2004) Os perigos da ecstasy. Escola Secundaria Carolina Michaelis, Porto, 17 de Marco.
6. Felix Carvalho (2004) Impacto ambiental de medicamentos. Escola Secundaria D. Dinis, Santo Tirso, 26 de Abril.
7. Felix Carvalho (2004) A toxicidade da ecstasy. Escola Secundaria D. Dinis, Santo Tirso, 27 de Abril.
8. Felix Carvalho (2004) Impacto ambiental de medicamentos. Rotary Club de Santo Tirso, Santo Tirso, 5 de Outubro.
9. Felix Carvalho (2005) A toxicidade da ecstasy. Escola EB 2+3 de Sao Rosendo, Santo Tirso, 6 de Janeiro.
10. Felix Carvalho (2005) A toxicidade da ecstasy. Escola Secundaria D. Dinis, Santo Tirso, 16 de Marco.
11. Felix Carvalho (2005) Os efeitos adversos do doping. Escola Secundaria D. Dinis, Santo Tirso, 11 de Abril.
12. Felix Carvalho (2005) O impacto ambiental dos medicamentos. Escola Secundaria D. Dinis, Santo Tirso, 15 de Abril.
13. Felix Carvalho (2005) Os efeitos adversos do doping. Rotary Club de Santo Tirso, Santo Tirso, 26 de Abril.
14. Felix Carvalho (2005) Os efeitos adversos do doping. Escola Secundaria D. Dinis, Santo Tirso, 24 de Novembro.
15. Felix Carvalho (2006) Ecstasy: a droga do amor e da morte. Escola Secundaria Tomaz Pelayo, Santo Tirso, 28 de Abril.
16. Felix Carvalho (2006) Paracetamol: um farmaco analgesico e antipiretico amigo ou inimigo? Rotary Club de Santo Tirso, Santo Tirso, 13 de Junho.
17. Felix Carvalho (2007) Doping. Mecanismos de accao e toxicidade. Escola Secundaria D. Dinis, Santo Tirso, 21 de Marco.
18. Felix Carvalho (2007) Doping. Mecanismos de accao e toxicidade. Rotary Club de Santo Tirso, Santo Tirso, 23 de Outubro.

19. Felix Carvalho (2007) Ecstasy: a droga do amor e da morte. Escola Secundaria D. Dinis, Santo Tirso, 22 de Novembro.
20. Felix Carvalho (2008) Ecstasy: a droga do amor e da morte. Escola Secundaria Jose Esteveao, Aveiro, 3 de Abril.
21. Felix Carvalho (2008) Ecstasy: a droga do amor e da morte. Escola Secundaria D. Dinis, Santo Tirso, 28 de Novembro.
22. Felix Carvalho (2009) Ecstasy: a droga do amor e da morte. Rotary Clube de Espinho, Espinho, 28 de Setembro.
23. Felix Carvalho (2009) Os sinais e cuidados a ter com as drogas utilizadas por violadores (drogas predadoras). Rotary Clube de Santo Tirso, Santo Tirso, 29 de Outubro.
24. Felix Carvalho (2010) Doping no Desporto e as suas consequencias no corpo humano. Escola secundaria Padre Benjamim Salgado, Joane, 27 de Maio.
25. Felix Carvalho (2011) Os sinais e cuidados a ter com as drogas utilizadas por violadores (drogas predadoras). Escola Secundaria D. Dinis, Santo Tirso, 7 de Abril.
26. Felix Carvalho (2010) Doping no desporto: jogar com a vida. Escola Jaime Magalhaes Lima, Esgueira-Aveiro, 17 de Maio.
27. Felix Carvalho (2011) Os sinais e cuidados a ter com as drogas utilizadas por violadores (drogas predadoras). Escola Secundaria Dr Manuel Gomes de Almeida-Espinho, 2 de Junho.
28. Felix carvalho (2012) Viagem ao mundo das drogas. Escola Secundaria D. Dinis, Santo Tirso, 25 de Fevereiro.
29. Felix carvalho (2012) Viagem ao mundo das drogas. Escola Secundaria Rodrigues de Freitas, Porto, 21 de Marco.
30. Felix Carvalho (2013) Viagem ao mundo das "drogas legais". Escola Secundaria Tomaz Pelayo, Santo Tirso, 11 de Abril.
31. Felix Carvalho (2013) "Smartshops": Nova lei reguladora. Faculdade de Direito da Universidade do Porto, Santo Tirso, 24 de Abril.
32. Felix carvalho (2014) Viagem ao mundo das drogas. Escola Secundaria Rodrigues de Freitas, Porto, 30 de Abril.
33. Felix carvalho (2015) Viagem ao mundo das novas drogas. Secundaria Dr Manuel Gomes de Almeida, Espinho, 22 de Abril.
34. Felix carvalho (2015) Viagem ao mundo das novas drogas. Colegio Alemao, Porto, 2 de Junho.
35. Felix carvalho (2016) Porque morrem os nossos Jovens? Palestra para pais. Colegio Alemao, Porto, 7 de Junho.
36. Felix carvalho (2016) Viagem ao mundo das drogas. Colegio Alemao, Porto, 8 de Junho.

#### OTHER ORAL COMMUNICATIONS AT SCIENTIFIC MEETINGS

1. Goncalves J, Carvalho F, Guimaraes S (1988) Uptake inhibitors do not change the effect of imidazoline alpha-agonists on noradrenaline release evoked by single pulse stimulation. British Pharmacological Society - Autumn Meeting, Nottingham, Inglaterra, 7 a 9 de Setembro.
2. Goncalves J, Carvalho F, Guimaraes S (1988) O bloqueio da captacao neuronal nao modifica o efeito dos agonistas alfa 2 de tipo imidazolinico sobre a libertacao de neurotransmissor induzida por pulso unico. II Congresso Nacional de Ciencias Farmaceuticas, Montechoro, 10 a 13 de Novembro.
3. J. Goncalves, F. Carvalho, S. Guimaraes (1988) Influencia do bloqueio da captacao neuronal na accao dos agonistas alfa-2 de estrutura imidazolinica e feniletilaminica. XIX Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 9 a 10 de Dezembro.
4. Felix Carvalho, Maria de Lourdes Bastos (1992) Glutathione supression in mouse tissues by the indirectly acting simpathomimetic amine d-amphetamine. VI International Congress of Toxicology, Roma, Italia, 28 de Junho a 4 de Julho.
5. Felix Carvalho, Maria de Lourdes A. Bastos, Margarida A. Ferreira (1992) Doseamento de acido oxalico em rolhas de cortica por HPLC-ECD. Encontro de Jovens Investigadores em Ciencias Farmaceuticas, Porto, 9 a 10 de Julho.
6. Felix Carvalho, Maria de Lourdes A. Bastos, Margarida A. Ferreira (1992) Avaliacao do acido oxalico em rolhas de cortica submetidas a diferentes tratamentos quimicos. Encontro de Jovens Investigadores em Ciencias Farmaceuticas, Porto, 9 a 10 de Julho.
7. Felix Carvalho, Maria de Lourdes A. Bastos (1992) Deplecao de glutatona em rim de ratinho apos administracao de d-anfetamina. Encontro de Jovens Investigadores em Ciencias Farmaceuticas, Porto, 9 a 10 de Julho.

8. M. Elisa Soares, M. Lourdes Bastos, Felix Carvalho, Margarida A. Ferreira (1992) Desenvolvimento de um procedimento analítico (EAA/AE) para dosear Cr, Cd, e Pb em alimentos compostos para animais. VI Encontro Luso-Galego de Quimica, Maia, 26 a 28 de Novembro.
9. F. Carvalho, M. Lourdes Bastos, John Timbrell, C. Waterfield, M. Ferreira, (1993) Alteration of some biochemical parameters in mice and rat by exposure to salbutamol. EC-FLAIR Workshop "In Vitro toxicological studies and real-time analysis of residues in food", Concerted action n<sup>o</sup>8. Ecole Nationale Veterinaire, Nantes, Franca, 3 a 5 de Maio.
10. Maria de Lurdes Bastos, Felix Carvalho e Margarida A. Ferreira (1993) Marcadores bioquimicos indicadores da toxicidade dos farmacos. 9<sup>o</sup> Congresso Nacional de Bioquimica - Sociedade Portuguesa de Bioquimica, Albufeira, 5 a 8 de Dezembro.
11. F. Carvalho, C. Waterfield, J. A. Timbrell, M. L. Bastos, M. A. Ferreira, (1993) d-Amphetamine induces glutathione depletion and loss of viability in rat isolated hepatocytes. XXI Reuniao da Sociedade Portuguesa de Farmacologia, Porto, 12 a 14 de Dezembro.
12. M. Beatriz P. P. Oliveira, M. Lurdes Bastos, F. Carvalho, M. E. Soares, F. Remiao, Margarida Ferreira (1994) Avaliacao da taurina, da vitamina E e do diagrama de acidos gordos no figado de ratos Wistar submetidos a dieta enriquecida com trielaidina e trilinoleaidina. VIII Encontro Luso-Galego de Quimica, Vairao, 23 a 25 de Novembro.
13. Eduarda Fernandes, Felix Carvalho, Fernando Remiao, Maria Lourdes Bastos, Madalena Pinto, Otto Gottlieb (1994) Protective activity of xanthonic derivatives against tert-butylhydroperoxide-induced toxicity in isolated rat hepatocytes. XXV Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 5 a 6 de Dezembro.
14. Catherine J. Waterfield, Felix Carvalho, John A. Timbrell (1995) Effects of treatment with ss-agonists on tissue and urinary taurine level in rats: Mechanism and implications for protection. International Taurine symposium'95 - Taurine: Basic and Clinical Aspects, Osaka, Japao, 27 de Junho a 1 de Julho.
15. Duarte, JA, Appell, HJ, Remiao, F, Carvalho, F, Bastos, ML, Soares, JM (1996) The influence of endothelial xanthine-oxidase and oxidative stress in skeletal muscle damage induced by ischemia/reperfusion. XII Latin Meeting on Vascular Research, Porto, 10 a 12 de Outubro.
16. Felix Carvalho, Fernando Remiao, Francisco Amado, Pedro Domingues, A. J. Ferrer Correia, Maria Lourdes Bastos (1996) d-Amphetamine-induced glutathione depletion in isolated rat hepatocytes is prevented by P450 inhibitors iprindole and metyrapone. XXVI Reuniao da Sociedade Portuguesa de Farmacologia e XV Reuniao de Farmacologia Clinica, Porto, 5 a 6 de Dezembro.
17. Duarte JA, Appell HJ, Soares JM, Remiao F, Bastos ML, Carvalho F (1996) Skeletal muscle atrophy induced by immobilization is reduced by vitamin E supplementation. XXVI Reuniao da Sociedade Portuguesa de Farmacologia e XV Reuniao de Farmacologia Clinica, Porto, de 5 a 6 de Dezembro.
18. F. Carvalho, E. Fernandes, F. Remiao, P. Sousa, J. Gomes-da-Silva, M.A. Tavares, M. Lourdes Bastos (1997) Effect of d-amphetamine repeated administration on rat tissue antioxidant enzymes. Joint Meeting of the Portuguese and Nordic Pharmacological Societies, Vilamoura, 6 a 8 de Outubro.
19. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (1999) Freshly isolated cardiomyocytes suspension as a model to study cardiotoxicity of compounds. Exemplification with tert-butylhydroperoxide. XXX Reuniao da Sociedade Portuguesa de Farmacologia, Lisboa, 2 a 3 de Dezembro.
20. Helena Carmo, Felix Carvalho, Jose Alberto Duarte, Maria Joao Neuparth, Eduarda Fernandes, Fernando Remiao, Maria de Lourdes Bastos (1999) In vivo generation of hydrogen peroxide in mouse liver, kidney, heart and soleus muscle, induced by d-amphetamine. XXX Reuniao da Sociedade Portuguesa de Farmacologia, Lisboa, 2 a 3 de Dezembro.
21. Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos (1999) Methylenedioxy-methamphetamine (ecstasy) potentiates hyperthermia-induced hepatotoxicity in freshly isolated mouse hepatocytes. XXX Reuniao da Sociedade Portuguesa de Farmacologia, Lisboa, 2 a 3 de Dezembro.
22. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2000) Copper-induced isoproterenol toxicity to freshly isolated rat cardiomyocytes. XXXI Reuniao da Sociedade Portuguesa de Farmacologia, Porto, 4 a 5 de Dezembro.
23. Helena Carmo, Fernando Remiao, Felix Carvalho, D. De Boer, Lesseps A. Reys, Maria de Lourdes Bastos (2000) p-Methylthioamphetamine induced hyperthermia in mice. Influence of ambient temperature. XXXI Reuniao da Sociedade Portuguesa de Farmacologia, Porto, 4 a 5 de Dezembro.

24. Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos (2000) Effect of methylenedioxymethamphetamine on body temperature and liver antioxidant status in mice: influence of ambient temperature. XXXI Reuniao da Sociedade Portuguesa de Farmacologia, Porto, 4 a 5 de Dezembro.
25. Fernando Remiao, Marcia Carvalho, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2001) Role of oxidative stress in isoproterenol and isoprenochrome-induced toxicity in isolated rat cardiomyocytes. XXXII Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 3 a 4 de Dezembro.
26. Teresa Sousa, Eduarda Fernandes, Felix Carvalho, Joao Laranjinha, Carla Nunes, Antonio Albino-Teixeira (2001) Scavenging effect of DPSPX (1,3-dipropyl-8-sulphophenylxanthine) on nitric oxide. XXXII Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 3 a 4 de Dezembro.
27. Helena Carmo, Fernando Remiao, Felix Carvalho, Eduarda Fernandes, Dowe de Boer, Lesseps A. dos Reys, Maria de Lourdes Bastos (2001) The metabolic profile of 4-methylthioamphetamine in mice. XXXII Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 3 a 4 de Dezembro.
28. Marcia Carvalho, Gabrielle Hawksworth, Nuno Milhazes, Fernanda Borges, Terrence Monks, Eduarda Fernandes, Felix Carvalho, Maria de Lourdes Bastos (2001) In vitro nephrotoxicity induced by 3,4-methylenedioxymethamphetamine (ecstasy) metabolites in rat and human renal tubular cells. XXXII Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 3 a 4 de Dezembro.
29. Fernando Remiao, Nuno Milhazes, Fernanda Borges, Felix D. Carvalho, Maria L. Bastos, Francisco Lemos-Amado, Pedro Domingues, A. Ferrer-Correia (2001) Synthesis and mass spectrometry characterization of aminochromes. Extraction and quantification of isoprenochrome and adrenochrome in biological samples. V Congresso de Radicais Livres em Quimica, Biologia e Medicina, Porto, 13 a 15 de Dezembro.
30. Sousa, T., Fernandes, E., Carvalho, F., Laranjinha, J., Nunes, C., Albino-Teixeira, A. (2002) Estudo do efeito de alguns derivados xantnicos sobre o monoxido de azoto. VIII Reuniao da Associacao Portuguesa de Hipertensao, Vidago, 1 a 3 de Fevereiro.
31. T. Sousa, M. Morato, E. Fernandes, F. Carvalho, A. Albino-Teixeira (2002) Vascular antioxidant enzyme activity in hypertension caused by blockade of adenosine receptors. XXXIII Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXI Reuniao de Farmacologia Clinica. Auditorio da Faculdade de Farmacia da Universidade de Lisboa, 5 a 7 Dezembro.
32. Eduarda Fernandes, Marcia Carvalho, Felix Carvalho, Artur M. S. Silva, Clementina M. M. Santos, Diana C. G. A. Pinto, Jose A. S. Cavaleiro, Maria de Lourdes Bastos (2002) In vitro hepatoprotective activity of polyhydroxylated 2-styrylchromones. XXXIII Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXI Reuniao de Farmacologia Clinica, Auditorio da Faculdade de Farmacia da Universidade de Lisboa, 5 a 7 Dezembro.
33. Helena Carmo, Jan G. Hengstler, Douwe de Boer, Fernando Remiao, Felix Carvalho, Lesseps A. dos Reys, Franz Oesch, Maria de Lourdes Bastos (2002) Study of the metabolic profile of 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in vivo in mice and in vitro using mice and human cryopreserved hepatocytes. XXXIII Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXI Reuniao de Farmacologia Clinica, Auditorio da Faculdade de Farmacia da Universidade de Lisboa, 5 a 7 Dezembro.
34. Sousa, T., Morato, M., Fernandes, E., Carvalho, F., Albino-Teixeira, A. (2003) Actividade antioxidante na arteria mesenterica e na aorta num modelo de hipertensao com activacao do sistema renina-angiotensina. IX Reuniao da Associacao Portuguesa de Hipertensao, Sintra, 24 a 26 de Janeiro.
35. Sousa, T., Morato, M., Carvalho, F., Albino-Teixeira, A. (2003) Vascular antioxidant enzyme activity in renovascular hypertensive rats. Young Investigators Initiative, Thirteenth European Meeting on Hypertension, Milao, Italia, 13 a 17 de Junho.
36. S. M. Moreira, M. F. Frasco, F. Carvalho, R. Ribeiro, L. Guilhermino (2003) Environmental biomarkers in two estuarine invertebrates: Hediste diversicolor and Palaemon serratus. 9th European Association for Veterinary Pharmacology and Toxicology (EAVPT) Congress, Lisboa, 13 a 18 de Julho.
37. Sousa, T., Morato, M., Fernandes, E., Carvalho, F., Albino-Teixeira, A. (2003) Comparison of vascular glutathione peroxidase activity in 1,3-dipropyl-8-sulphophenylxanthine hypertensive rats and in renovascular hypertension. 11th Porto Meeting on Adrenergic Mechanisms, Porto, 25 a 27 de Setembro.
38. Marcia Carvalho, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Eduarda Fernandes, Maria do Ceu Monteiro, Maria Jose Goncalves, Felix Carvalho and Maria Lourdes Bastos (2003) N-methyl-methyldopamine and -methyldopamine, two major ecstasy metabolites, are toxic to



freshly isolated adult rat cardiomyocytes. XXXIV Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 4 a 6 de Dezembro.

39. Dalia I.R. Goncalves, Antonio J.M. Moreno, Helena Carmo, Eduarda Fernandes, Marcia Carvalho, Maria de Lourdes Bastos, Felix Carvalho, Jose B. A. Custodio (2003) Effect of 3,4-methylenedioxymethamphetamine (ecstasy; MDMA) and p-methylthioamphetamine (4-MTA) in Ca<sup>2+</sup> homeostasis and ATP synthesis in rat heart mitochondria. XXXIV Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 4 a 6 de Dezembro.
40. Fernando Remiao, Daniel Rettori, Derick Han, Felix Carvalho, Maria de Lourdes Bastos, Enrique Cadenas (2003) Oxidative stress related to leukoisoprenochrome-o-semiquinone (LioSQ) formation in rat cardiomyocyte membranes. XXXIV Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 4 a 6 de Dezembro.
41. Teresa Sousa, Manuela Morato, Daniela Pinho, Eduarda Fernandes, Felix Carvalho, Antonio Albino-Teixeira (2003) Comparison of antioxidant enzyme activity in arteries and veins from renovascular hypertensive rats. XXXIV Reuniao da Sociedade Portuguesa de Farmacologia, Coimbra, 4 a 6 de Dezembro.
42. Jose Alberto Duarte, Maria Joao Neuparth, Rita Ferreira, Antonio Ascensao, Jose Magalhaes, Eduarda Fernandes, Francisco Amado, Felix Carvalho (2004) In vivo hydrogen peroxide production in soleus muscle is enhanced in aged mice both at rest and during exercise. 12th Biennial Meeting of the Society for Free Radical Research International, Buenos Aires, Argentina, 5 a 9 de Maio.
43. Sousa, T., Morato, M., Pinho, D., Fernandes, E., Carvalho, F., Albino-Teixeira, A. (2004) Antioxidant enzyme activity in resistance and conduit vessels from hypertensive rats with activation of the renin-angiotensin system. EPHAR 2004, Porto, 14 a 17 de Junho de 2004.
44. Ricardo Dinis Oliveira, M. de Jesus Vale, Maria de Lourdes Bastos, Felix Carvalho, Amparo Sanchez Navarro (2005) Influence of Na<sup>+</sup> depletion on the disposition of paraquat in the isolated rat lung. VII Congreso de la Sociedad Espanola de Farmacia Industrial y Galenica, Salamanca, Espanha, 6 a 8 de Fevereiro.
45. Sousa, T., Pinho, D., Morato, M., Fernandes, E., Carvalho, F. Antonio Albino Teixeira (2005) Apocynin, but not tempol, attenuates the hypertension and increases vascular antioxidant defenses in rats with activation of the renin-angiotensin system. Young Investigators Initiative, Fifteenth European Meeting of Hypertension, Milao, Italia, 17 a 21 de Junho.
46. Teresa Sousa, Manuela Morato, Dora Pinho, Eduarda Fernandes, Felix Carvalho, Antonio Albino Teixeira (2005) Increased oxidative stress in a model of hipertension with activation of the renin-angiotensin system. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.
47. Teresa Sousa, Dora Pinho, Manuela Morato, Jose Marques-Lopes, Eduarda Fernandes, Felix Carvalho, Antonio Albino Teixeira (2005) NADPH oxidase and hydrogen peroxide mediate vascular hyperplasia and hypertension in rats with activation of the renin-angiotensin system. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.
48. Renata Silva, Vera Costa, Silvia Boldt, Helena Carmo, Felix Carvalho, Marcia Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2005) Development of a procedure to analyse GSH adducts of catecholamines in biological samples. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.
49. Maria Joao Marques, Rui Vitorino, Rita Ferreira, Carla Sousa, Fernando Remiao, Francisco Amado, Jose Alberto Duarte, Felix Carvalho, Maria de Lourdes Bastos (2005) Hyperthermia-induced toxicity in freshly isolated mouse hepatocytes: involvement of oxidative stress and cellular signalling. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.
50. Ricardo Dinis Oliveira, Maria de Jesus Valle, Maria de Lourdes Bastos, Felix Carvalho, Amparo Sanchez Navarro (2005) Lithium modifies the kinetics of paraquat and its uptake in the isolated rat lung. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.
51. Helena Carmo, Jan Hengstler, Dowe de Boer, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos (2005) Evaluation of the influence of polymorphic metabolism via CYP2D6 on the cytotoxicity of ecstasy. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.
52. Ema Alves, Teresa Summavielle, Raquel Faria, Joana Gomes-da-Silva, Jose Barata Custodio, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Carvalho (2005) "Long-term" effects of MDMA exposure in adolescent male rats: abnormal thermoregulation, oxidative stress and mtDNA deletions in isolated whole-brain mitochondria. XXXVI Reuniao Anual da Sociedade Portuguesa de

Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.

53. Joao Paulo Capela, Karsten Rusher, Marion Lautenschlager, Dorette Freyer, Ulrich Dirnagl, Ana Rita Gaio, Maria de Lourdes Bastos, Andreas Meisel, Felix Carvalho (2005) Ecstasy-induced cell death in cortical neuronal cultures is 5-HT<sub>2A</sub>-receptor-dependent and potentiated under hyperthermia. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.

54. Joao Paulo Capela, Andreas Meisel, Artur Reis Abreu, Paula Serio Branco, Luisa Maria Ferreira, Ana Maria Lobo, Fernando Remiao, Maria de Lourdes Bastos, Felix Carvalho (2005) Neurotoxicity of ecstasy metabolites in rat cortical neurons. Influence of hyperthermia. XXXVI Reuniao Anual da Sociedade Portuguesa de Farmacologia e XXIII Reuniao de Farmacologia Clinica, Lisboa, 5 a 7 de Dezembro.

55. Manuela Frasco, Felix Carvalho, Lucia Guilhermino, J. Stojan, Didier Fournier (2006) Putative mechanisms underlying the inhibition of cholinesterases by inorganic mercury. 9th International Symposium on Metal Ions in Biology and Medicine, Lisboa, 21 a 24 de Maio.

56. Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Rita Ferreira, Amparo Sanchez-Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) A new and promising treatment of paraquat poisonings. 1º Encontro Nacional de Bromatologia, Hidrologia e Toxicologia, Sesimbra, 2 a 3 de Junho.

57. Helena Carmo, Marc Brulport, Matthias Hermes, Renata Silva, Luisa M. Ferreira, Paula S. Branco, Douwe de Boer, Fernando Remiao, Felix Carvalho, Niels Krebsfaenger, Johannes Doehmer, Maria de Lourdes Bastos and Jan Hengstler (2006) The influence of CYP2D& polymorphic metabolismo n the cytotoxicity of "ecstasy". 1º Encontro Nacional de Bromatologia, Hidrologia e Toxicologia, Sesimbra, 2 a 3 de Junho.

58. Helena Pontes, Maria Joao Marques, Fernando Remiao, Felix Carvalho, and Maria de Lourdes Bastos (2006) The repeated exposure to ethanol increases its susceptibility to ecstasy-induced hepatotoxicity. 1º Encontro Nacional de Bromatologia, Hidrologia e Toxicologia, Sesimbra, 2 a 3 de Junho.

59. Sousa, T., Morato, M., Pinho, D., Fernandes, E., Carvalho, F., Albino-Teixeira, A. Vascular and systemic redox dysfunction in hypertension due to blockade of adenosine receptors. Xth Workshop of the ESH Young Investigator Initiative Group, Sixteenth European Meeting of Hypertension (2006) Madrid, Espanha, 12 a 15 de Junho.

60. Ana Rita Alvaro, Joao Martins, Ana Lucia Tavares, Antonio Francisco Ambrosio, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Carvalho, Claudia Cavadas (2006) Toxicity of ecstasy in rat retina primary cell cultures. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.

61. Ema Alves, Teresa Summavielle, Cecilia Alves, Pedro Monteiro, Jose Custodio Barata, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Carvalho (2006) Monoamine oxidase B mediates ecstasy-induced neurotoxic effects in the adolescent's rat brain mitochondria. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.

62. Joao Paulo Capela, Karsten Ruscher, Ulrich Dirnagl, Eduarda Fernandes, Fernando Remiao, Maria Lurdes Bastos, Andreas Meise, Felix Carvalho (2006) Apoptosis via 5-HT<sub>2a</sub>-receptor stimulation in cortical and hippocampus neurons. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.

63. Marco assuncao, Maria Joao Santos Marques, Victor de Freitas, Felix Carvalho, Jose Paulo Andrade (2006) Chronic red wine consumption improves oxidative stress status of the rat hippocampal formation. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.

64. Ricardo Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Rita Ferreira, Amparo Sanchez-Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) The induction of de novo synthesis of P-glycoprotein counteracts lung paraquat accumulation through the polyamine uptake system. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.

65. Ricardo Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Rita Ferreira, Amparo Sanchez-Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) Full survival of rats exposed to a lethal dose of paraquat after treatment with sodium salicylate. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.

66. Vera Marisa Costa, Marcia Carvalho, Renata Silva, Luisa Ferreira, Paula Branco, Felix Carvalho, Maria Lourdes Bastos, Rui Carvalho, Fernando Remiao (2006) Oxidation of adrenaline in cardiomyocytes: formation of adrenochrome, quinoproteins, and GSH- adducts. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.
67. Sofia Oliveira, Teresa Sousa, Joana Afonso, Manuela Morato, Felix Carvalho, Antonio Albino Teixeira (2006) Increased generation of hydrogen peroxide in hypertensive rats with activation of the renin-angiotensin system. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.
68. M. J. Jesus-Valle, R. J. Dinis Oliveira, M. L. Bastos, F. Carvalho, A. Sanchez-Navarro (2007) Safety of lactose and chitosan to the respiratory system when delivered by inhalation route. VIII Congreso de la Sociedad Espanola de Farmacia Industrial y Galenica (SEFIG), Vitoria-Gasteiz, Espanha, 4 a 6 de Fevereiro.
69. Teresa Sousa, Sofia Oliveira, Manuela Morato, Dora Pinho, Jose Marques-Lopes, Felix Carvalho, Antonio Albino-Teixeira (2007) Producao de peroxido de hidrogenio (H<sub>2</sub>O<sub>2</sub>) em dois modelos de hipertensao arterial com aumento da angiotensina II. 1º Congresso Portugues de Hipertensao, Vilamoura, 8 a 11 de Fevereiro.
70. Manuela Frasco, Felix Carvalho, Lucia Guilhermino, J. Stojan, Didier Fournier (2007) Cholinesterase enzymes: appraisal of inhibitory mechanisms for their use as an environmental biomarker of toxicity. 14th International Symposium: pollutant responses in marine organisms. Florianopolis, Brasil, 6 a 9 de Maio.
71. R. J. Dinis-Oliveira, F. Remiao, J. A. Duarte, R. Ferreira, A. Sanchez-Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) New therapeutic approach for paraquat poisonings by the induction of P-glycoprotein (Mdr1) activity and expression. III Mediterranean Academy of Forensic Sciences Congress V, Latin-American Congress of Medical Law and III Iberian Congress of Legal Medicine, Porto, 21 a 23 de Junho.
72. R. J. Dinis-Oliveira, F. Remiao, J. A. Duarte, R. Ferreira, A. Sanchez-Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) Pre-clinical studies on the use of sodium salicylate in the treatment of paraquat poisonings. III Mediterranean Academy of Forensic Sciences Congress V, Latin-American Congress of Medical Law and III Iberian Congress of Legal Medicine, Porto, 21 a 23 de Junho.
73. Vera Marisa Costa, Felix Carvalho, Maria de Lourdes Bastos, Rui Carvalho, Marcia Carvalho, Fernando Remiao (2007) Time dependent activation of transcription factors in freshly isolated cardiomyocytes: Adrenaline and reactive oxygen species incubation. 44th Congress of the European Societies of Toxicology, Amsterdao, Holanda, 7 a 10 de Outubro.
74. Marco Assuncao, Maria Joao Santos-Marques, Felix Carvalho, Jose Paulo Andrade (2007) Prolonged green tea consumption ameliorates oxidative status of the rat hippocampal formation during aging. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
75. Vera Marisa Costa, Renata Silva, Francisco Amado, Felix Carvalho, Maria Lourdes Bastos, Rui Albuquerque Carvalho, Marcia Carvalho, Fernando Remiao (2007) Time dependent activation of transcription factors in freshly isolated rat cardiomyocytes under stimulation by adrenaline and reactive oxygen species. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
76. Daniel Gomes, Helena Carmo, Felix Carvalho, Fernando Remiao, Maria de Lourdes Bastos, Paula Branco, Luisa Ferreira, Paula Guedes de Pinho (2007) Gas-chromatography-mass spectrometry method for simultaneous measurement of MDMA (ecstasy) and its metabolites HMA, MDA and HMMA in plasma and urine. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
77. Ema Alves, Teresa Summavielle, Cecilia Juliana Alves, Jose Barata Custodio, Eduarda Fernandes, Maria de Lourdes Bastos, Maria Amelia Tavares, Felix Carvalho (2007) Effect of monoamine oxidase-A inhibition on ecstasy- induced neurotoxic effects in adolescent's rat brain mitochondria. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
78. Helena Pontes, Eduarda Fernandes, Jose Alberto Duarte, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2007) Repeated exposure to ethanol potentiates the hepatotoxic effects mediated by MDMA in CD-1 mice. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.

79. Joao Paulo Capela, Andreas Meisel, Ulrich Dirnagl, Maria Lurdes Bastos, Marion Lautenschlager, Felix Carvalho (2007) 5,7-Dihydroxytryptamine toxicity to serotonergic neurons in cultured serum free raphe cultures. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
80. Sonia Silva, Maria Dulce Cotrim, Felix Carvalho, Eduarda Fernandes, Rodrigues L., Infante A. R., Antunes M.J. (2007) Effects of 3,4-methylenedioxymethamphetamine on the human mammary artery in the presence of fluoxetine and on the 5-HT concentration-response curve in human mammary artery and rat aorta. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
81. Ana Rita Alvaro, Joao Martins, Ana Carina Costa, Eduarda Fernandes, Felix Carvalho, Antonio Francisco Ambrosio, Claudia Cavadas (2007) Neuropeptide Y protects retinal neural cells against cell death induced by ecstasy. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
82. Vera Marisa Costa, Luisa Maria Ferreira, Paula Serio Branco, Felix Carvalho, Maria Lourdes Bastos, Rui Albuquerque Carvalho, Marcia Carvalho, Fernando Remiao (2007) Mediated membrane transport in isolated cardiac myocytes via catecholamine up-take 2 and 5-(glutathion-s- yl)adrenaline efflux by MRP1. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
83. Sousa T., Oliveira S., Afonso J., Morato M., Pinho D., Lopes J., Patinha D., Carvalho F., Albino-Teixeira A. (2007) Apocynin, but not tempol, prevents the rise in vascular and urinary levels of H<sub>2</sub>O<sub>2</sub> induced by chronic infusion of 1,3- dipropyl-8-sulfophenylxanthine (DPSPX). XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
84. Ricardo Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Rita Ferreira, Amparo Sanchez-Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) Apoptotic signaling events elicited by paraquat in the rat lung and countermeasures conferred by sodium salicylate. XXXVIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica e VII Reuniao de Toxicologia, Coimbra, 5 a 7 de Dezembro.
85. R. J. Dinis-Oliveira, P. G. de Pinho, A. C. da Silva Ferreira, A. M. S. Silva, C. Afonso, M. L. Bastos, F. Remiao, J. A. Duarte, F. Carvalho (2008). Sodium salicylate reacts with paraquat to form stable complexes: a possible contribution for the healing effect of this drug. II Encontro Nacional de Bromatologia, Hidrologia e Toxicologia e Workshop Internacional da AOAC, Lisboa, 17 a 18 de Abril.
86. R. J. Dinis-Oliveira, P. G. de Pinho, A. C. da Silva Ferreira, A. M. S. Silva, C. Afonso, M. L. Bastos, F. Remiao, J. A. Duarte, F. Carvalho (2008). Salicylates: magic bullets for the treatment of paraquat intoxications. 1º Encontro Nacional de Quimica Terapeutica, Porto, 13 a 15 de Novembro.
87. S Silva, F Carvalho, E Fernandes, AM Teixeira, MJ Antunes & MD Cotrim (2008) MDMA contracted the human internal mammary artery through a partial agonistic effect on 5-HT receptors. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
88. R Dinis-Oliveira, P Pinho, AC Ferreira, A Silva, C Afonso, ML Bastos, F Remiao, JA Duarte & F Carvalho (2008) A possible explanation for the healing effect of sodium salicylate against paraquatinduced injury: formation of stable complexes. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
89. H Pontes, C Sousa, R Silva, E Fernandes, H Carmo, F Remiao, F Carvalho & ML Bastos (2008) Ethanol plus MDMA: synergistic toxicity towards primary cultured rat hepatocytes. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
90. R Silva, A Cordeiro-da-Silva, F Carvalho, ML Bastos, H Carmo & F Remiao (2008) Effect of P-glycoprotein inducers on its expression and activity in Caco-2 cells. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
91. M Assuncao, MJ Santos-Marques, F Carvalho & JP Andrade (2008) Effect of long-term green tea consumption on cellular signaling systems related to oxidative stress and survival in the aging rat hippocampal formation. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.

92. T Sousa, S Oliveira, J Afonso, F Carvalho, A Albino-Teixeira (2008) Increased H<sub>2</sub>O<sub>2</sub> production in the renal medulla of angiotensin II - hypertensive rats through a NADPH oxidase mediated pathway. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
93. M Lopes, A Meisel, F Carvalho & ML Bastos (2008) Doxorubicin induced neurotoxicity to rat cortical neurons: a biphasic effect. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
94. J Martins, C Cavadas, E Fernandes, F Carvalho, M Castelo-Branco & AF Ambrosio (2008) 3,4-Methylenedioxymethamphetamine (MDMA) administration induces alterations in rat electroretinogram. XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
95. JP Capela, K Ruscher, T Wieloch, E Fernandes, ML Bastos, U Dirnagl, A Meisel & F Carvalho (2008) Dendritic spine dynamics after 3,4-methylenedioxymphetamine (MDA). XXXIX Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVI Reuniao de Farmacologia Clinica e VIII Reuniao de Toxicologia, Lisboa, 3 a 5 de Dezembro.
96. Sousa, T., Oliveira, S., Afonso, J. Sousa, C., Carvalho, F., Albino-Teixeira, A. A hipertensao arterial causada pela angiotensina II esta associada a um aumento da producao de H<sub>2</sub>O<sub>2</sub> e a alteracoes da sinalizacao celular na medula renal. 3º Congresso Portugues de Hipertensao, 2009, Vilamoura, 12 a 15 de Fevereiro.
97. Sousa, T., Oliveira, S., Afonso, J. Sousa, C., Carvalho, F., Albino-Teixeira, A. The renal medulla is a major target for redox dysfunction and altered nuclear signalling in angiotensin II (Ang II)-dependent hypertension. Nineteenth European Meeting on Hypertension, 2009, Milao, Italia, 12 a 16 de Junho.
98. Sonia Oliveira, T Sousa, J Afonso, F Carvalho, A Albino-Teixeira (2009) Role of H<sub>2</sub>O<sub>2</sub> in arterial hypertension induced by the cardiovascular toxin allylamine. XL Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVIII Reuniao de Farmacologia Clinica e IX Reuniao de Toxicologia, Porto, 2 a 4 Dezembro.
99. Miguel Angelo Lopes, Andreas Meisel, Felix Carvalho, Maria de Lourdes Bastos (2009) Neuronal nitric oxide synthase is a key factor in doxorubicin-induced toxicity to rat isolated cortical neurons. XL Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVIII Reuniao de Farmacologia Clinica e IX Reuniao de Toxicologia, Porto, 2 a 4 Dezembro.
100. Teresa Sousa, Sofia Oliveira, Joana Afonso, Manuela Morato, Daniela Patinha, Felix Carvalho, Antonio Albino-Teixeira (2009) Short-term antihypertensive effectiveness of polyethylene glycol catalase treatment in angiotensin ii-hypertensive rats. XL Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVIII Reuniao de Farmacologia Clinica e IX Reuniao de Toxicologia, Porto, 2 a 4 Dezembro.
101. Ricardo Jorge Dinis-Oliveira, Paula Guedes de Pinho, Liliana Santos, Helena Teixeira, Teresa Magalhaes, Agostinho Santos, Maria de Lourdes Bastos, Fernando Remiao, Jose Alberto Duarte, Felix Carvalho (2009) Postmortem analyses unveil the poor efficacy of decontamination, anti-inflammatory and immunosuppressive therapies in paraquat human intoxication. XL Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVIII Reuniao de Farmacologia Clinica e IX Reuniao de Toxicologia, Porto, 2 a 4 Dezembro.
102. Renata Silva, Ricardo Dinis-Oliveira, Anabela Cordeiro-da-Silva, Felix Carvalho, Maria de Lourdes Bastos, Helena Carmo, Fernando Remiao (2009) Induction of p-glycoprotein expression by doxorubicin protects caco-2 cells against paraquat-induced toxicity. XL Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVIII Reuniao de Farmacologia Clinica e IX Reuniao de Toxicologia, Porto, 2 a 4 Dezembro.
103. Filipa Ponte, Felix Carvalho & Beatriz Porto (2009) Acute toxicity of diepoxybutane to mononuclear leukocytes. XL Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXVIII Reuniao de Farmacologia Clinica e IX Reuniao de Toxicologia, Porto, 2 a 4 Dezembro.
104. Sousa, T., Oliveira, S., Afonso, J., Morato, M., Patinha, D., Sousa, C., Carvalho, F., Albino-Teixeira, A. (2010). Lack of sustained antihypertensive effect of polyethylene glycol catalase treatment in angiotensin II-hypertensive rats. 20th European Meeting on Hypertension, 2010, Oslo, Noruega, 18 a 21 de Junho.
105. Marta Correia-da-Silva, Emilia Sousa, Barbara Duarte, Franklim Marques, Felix Carvalho, Madalena M. M. Pinto (2010) "Polysulfated xanthenes: new family of anticoagulant molecules", 2º Encontro Nacional de Quimica Terapeutica, Coimbra, 28 a 30 Novembro.



106. Sofia Oliveira, Teresa Sousa, Joana Afonso, Sonia Simao, Felix Carvalho, Antonio AlbinoTeixeira (2011) Role of allylamine metabolism in hypertension and oxidative stress. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
107. Teresa Sousa, Sofia Oliveira, Joana Afonso, Manuela Morato, Daniela Patinha, Sonia Fraga, Felix Carvalho, Antonio Albino-Teixeira (2011) Counterregulatory mechanisms involved in the blunted antihypertensive response to polyethyleneglicol catalase in angiotensin II-infused rats. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
108. Luciana Rossato, Vera Costa, Paula Pinho, Felix Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2011) Structural isomerization of synephrine influences its uptake and ensuing glutathione depletion in rat isolated cardiomyocytes. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
109. Filipa Ponte, Rosa Sousa, Felix Carvalho, Beatriz Porto (2011) -Lipoic acid prevents clastogenicity in lymphocytes of FA patients. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
110. Sonia Fraga, William Trickler, Yongbin Zhang, Yang Xu, Maria de Lourdes Bastos, Felix Carvalho, Alexandru Biris, Syed Ali (2011) Iron oxide nanoparticles increase reactive oxygen species production and permeability in bovine microvascular endothelial cells. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
111. Maria Joao Valente, Rui Henrique, Renata Silva, Vania Vilas Boas, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho, Marcia Carvalho (2011) Cocaine-induced nephrotoxicity: an in vitro study using primary cultured human proximal tubular cells. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
112. Silvana da Costa Araujo, Vera Marisa Costa, Frederico C. Pereira, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Dias Carvalho, Joao Paulo Capela (2011) Ecstasy and amphetamine induce developmental neurotoxicity to immature cultured neurons from rat cortex. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
113. Daniel Jose Barbosa, Joao Paulo Capela, Jorge M. A. Oliveira, Renata Silva, Luisa Ferreira, Paula Serio Branco, Eduarda Fernandes, Jose Alberto Duarte, Maria de Lourdes Bastos, Felix Carvalho (2011) Oxidative damage induced by ecstasy and its metabolites in mouse brain synaptosomes. XLI Reuniao Anual da Sociedade Portuguesa de Farmacologia, a XXIX Reuniao de Farmacologia Clinica e a X Reuniao de Toxicologia, Coimbra, 2 a 4 de Fevereiro.
114. Ponte F, Sousa R, Carvalho F, Porto B (2011) -lipoic acid and N-acetylcysteine as an effective cocktail for decreasing spontaneous chromosome instability in FA. 23rd Annual Fanconi Anemia Research Fund Scientific Symposium, Barcelona.
115. Ponte F, Sousa R, Carvalho F, Porto B (2011) The combined use of -lipoic acid plus N-acetylcysteine as an effective cocktail for decreasing chromosome instability in Fanconi Anemia patients. 8th European Cytogenetic Conference, Porto.
116. Sousa R, Ponte F, Porto B (2011) Accuracy in the cytogenetic diagnosis of Fanconi Anemia and other chromosome instability syndromes. 8th European Cytogenetic Conference, Porto.
117. Ponte F, Sousa R, Carvalho F, Porto B (2011) Improvement of genetic stability in lymphocytes from Fanconi Anemia patients through the additive effect of -lipoic acid and N-acetyl cysteine in vitro, 15th Annual Reunion of the Portuguese Society of Human Genetic, Lisboa.
118. Sousa, T., Oliveira, S., Afonso, J., Morato, M., Patinha, D., Fraga, S., Carvalho, F., Albino-Teixeira, A. Polyethylene glycol catalase reduces the renal medullary expression of Nox4 and AT1 receptor but markedly increases systemic angiotensinogen levels in angiotensin II-infused rats. 21st European Meeting on Hypertension and Cardiovascular Prevention, 2011, Milan, Italy.
119. Ana Oliveira, Ricardo Jorge Dinis-Oliveira, Augusto Nogueira, Andreia Azevedo, Ferraz Goncalves, Paula Silva, Felix Carvalho, Rui Medeiros (2012) COMT genetic polymorphism may influence pain, requiring higher opioid doses in cancer patients. XLII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXX Reuniao de Farmacologia Clinica, XI Reuniao de Toxicologia, Lisboa, 1 a 3 de Fevereiro.

120. Filipa Ponte, Rosa Sousa, Felix Carvalho, and Beatriz Porto (2012) Improvement of genetic stability in lymphocytes from fanconi anemia patients through the additive effect of -lipoic acid and n-acetylcysteine. XLII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXX Reuniao de Farmacologia Clinica, XI Reuniao de Toxicologia, Lisboa, 1 a 3 de Fevereiro.
121. Rita Azevedo, Sonia Fraga, Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Maria De Lourdes Bastos, Felix Carvalho (2012) Superparamagnetic iron oxide nanoparticles (SPIONPS) effects on human neuronal cells. XLII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXX Reuniao de Farmacologia Clinica, XI Reuniao de Toxicologia, Lisboa, 1 a 3 de Fevereiro.
122. Maria Joao Valente, Jorge Carvalho, Joana Afonso, Marcia Carvalho, Felix Carvalho, Teresa Sousa, Antonio Albino-Teixeira (2012) Interaction of aspirin and antihypertensive drugs: impact on lipoxins synthesis in rat renal cortical and medullary cells. XLII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXX Reuniao de Farmacologia Clinica, XI Reuniao de Toxicologia, Lisboa, 1 a 3 de Fevereiro.
123. Teresa Sousa, Joana Afonso, Maria Joao Valente, Jorge Carvalho, Maria Paula Serrao, Manuela Morato, Daniela Patinha, Sonia Fraga, Felix Carvalho, Antonio Albino-Teixeira (2012) Hydrogen peroxide regulates renal production of renin and angiotensinogen in angiotensin II-hypertensive rats. XLII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXX Reuniao de Farmacologia Clinica, XI Reuniao de Toxicologia, Lisboa, 1 a 3 de Fevereiro.
124. Daniel Jose Barbosa, Joao Paulo Capela, Luisa Maria Ferreira, Paula Serio Branco, Eduarda Fernandes, Maria de Lourdes Bastos and Felix Carvalho (2012) The mixture of "ecstasy" and its metabolites is toxic to human SH-SY5Y differentiated cells at physiological relevant concentrations. XLII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXX Reuniao de Farmacologia Clinica, XI Reuniao de Toxicologia, Lisboa, 1 a 3 de Fevereiro.
125. Rita Azevedo, Sonia Fraga, Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Maria de Lourdes Bastos, Felix Carvalho (2012) Superparamagnetic iron oxide nanoparticles (spionps) are toxic to human neuronal cells in vitro. IJUP'2012 - 5º Encontro de investigacao jovem da U. Porto, Porto, 22 a 24 de Fevereiro.
126. Araujo SC, Costa VM, Nogueira TB, Pereira FC, Fernandes E, Bastos ML, Carvalho F, Capela JP (2012) Ecstasy and amphetamine neurotoxicity to cultured rat cortical neurons in a continuous exposure model. European Congress on pharmacology - EPHAR 2012, Granada, July 2012.
127. Ponte F, Sousa R, Carvalho F, Porto B (2012) Chromosome instability in Fanconi Anemia: searching for therapeutic drugs to prevent the progression of the disease. Small Molecule Meeting Sponsored by Fanconi Anemia Research Fund, Portland, Oregon (by invitation).
128. Carvalho J., Reina-Couto, M., Valente, M.J., Vale L., Afonso, J, Morato, M, Carvalho F, Bettencourt P, Sousa, T, Albino-Teixeira A. (2013) Anti-inflammatory lipoxins in patients with chronic heart failure and their modulation by low-dose acetylsalicylic acid. XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.
129. Maria Joao Valente, Carvalho J, Almeida L, Vale L, Afonso J, Morato M, Martins MJ, Carvalho F, Sousa T, Albino-Teixeira A. (2013) Interaction of low-dose acetylsalicylic acid with losartan: effects on systolic blood pressure, renal function, oxidative stress and lipoxins synthesis XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.
130. Ana Oliveira, Dinis-Oliveira RJ, Nogueira A, Azevedo A, Goncalves F, Silva P, Carvalho F, Medeiros R. (2013) Genetic profile and cancer-related pain: a tale from two outlier cases. XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.
131. Diana Dias da Silva, Silva E, Carvalho F, & Carmo H. (2013) MDMA and its major human metabolites act additively eliciting toxicity to liver HepG2 cells, even at very low concentrations. XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.
132. Maria Teresa Baltazar, Dinis-Oliveira R.J, Guilhermino L, Bastos M.L, Duarte J.A, Carvalho F. (2013) Incorporation of lysine acetylsalicylate in paraquat formulation improves survival rate in Wistar rats while herbicidal activity is maintained. XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.
133. Juliana Garcia, Carvalho ATP, Ramos MJ, Baptista P, Bastos ML, Carvalho F. (2013) New in silico insights into the inhibition of RNA polymerase II by -amanitin and the protective effect mediated by effective antidotes. XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia,

XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

134. Rita F.F Azevedo, Fraga S, Lopez-Quintela A, Rivas J, Freitas P, Bastos M.L, Carvalho, F. (2013) Influence of hyperthermia on the effects induced by superparamagnetic iron oxide nanoparticles in differentiated human SH-SY5Y neuroblastoma cells. XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

135. Daniel Barbosa, Serrat R, Mirra S, Quevedo M, Barreda E, Avila J, Fernandes E, Bastos M. L., Capela J. P. Carvalho F & Soriano E. (2013) Ecstasy impairs mitochondrial trafficking in hippocampal neurons by a Tau phosphorylation-dependent mechanism involving GSK3. XLIII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXI Reuniao de Farmacologia Clinica, XII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

136. Jorge Carvalho, Marta Couto, Maria Joao Valente, Luis Vale, Joana Afonso, Manuela Morato, Felix Carvalho, Paulo Bettencourt, Teresa Sousa, Antonio Albino Teixeira (2013) Anti-inflammatory eicosanoids in chronic heart failure: relationship to disease severity and modulation by low-dose acetylsalicylic acid. VI Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Fevereiro.

137. Rita Azevedo, Sonia Fraga, Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Maria Lourdes Bastos, Felix Carvalho (2013) Effects of superparamagnetic iron oxide nanoparticles on differentiated human SH-SY5Y neuroblastoma cells under hyperthermia. VI Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Fevereiro.

138. Daniel Jose Barbosa, Roman Serrat, Serena Mirra, Marti Quevedo, Elena Gomez de Barreda, Jesus Avila, Eduarda Fernandes, Maria de Lourdes Bastos, Joao Paulo Capela, Felix Carvalho, Eduardo Soriano (2013) "Ecstasy" impairs mitochondrial trafficking in hippocampal neurons by a Tau phosphorylation-dependent mechanism involving GSK3. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.

139. Reina-Couto M, Carvalho J, Valente MJ, Vale L, Afonso J, Morato M, Carvalho F, Bettencourt P, Sousa T, Albino-Teixeira A. Anti-inflammatory lipoxins in patients with chronic heart failure and their modulation by low-dose acetylsalicylic acid. 47th Annual Scientific Meeting of the European Society for Clinical Investigation, 2013, Albufeira, Portugal.

140. Oliveira A, Pinho D., Albino-Teixeira A., Medeiros R., Dinis-Oliveira, Carvalho F. (2014) Effects of modulating morphine metabolism on its pharmacological action in guinea pigs. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

141. Barbosa D. J., Serrat R., Mirra S., Quevedo M., Ferreira M. L., Branco P. S., Fernandes E., Bastos M. L., Capela J. P., Carvalho F., Soriano E. (2014) The mixture of "ecstasy" and its metabolites, at in vivo relevant concentrations, impairs mitochondrial neuronal trafficking in a Mitofusin2/Drp1-dependent manner. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

142. Baltazar Maria Teresa, Dinis-Oliveira R. J., Bastos M. L., Duarte J. A., Carvalho F. (2014) Lysine acetylsalicylate improves the safety of paraquat formulation in rats, by increasing its elimination, and preventing lung and kidney injury. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

143. Dores-Sousa, Jose L., Duarte, J. A., Seabra, V., Lourdes, M. L., Carvalho, F., Costa, V. M. (2014) Cardiac damage induced by mitoxantrone: a time and age-dependent effect involving oxidative stress. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

144. Carvalho Jorge, Valente M. J., Vale L., Almeida L., Afonso J., Martins M. J., Carvalho F., Sousa T., Albino-Teixeira A. (2014) Protective role of low-dose aspirin in hypertensive rats treated with losartan: relation to cyclooxygenase-2-derived eicosanoids and oxidative stress. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

145. Araujo A. M., Valente M. J., Dias da Silva D., Carvalho M., Carvalho F., Bastos M. L., Guedes de Pinho P. (2014) Evaluation of the hepatotoxic potential of individual synthetic cathinones and 'legal high' mixtures in primary cultured rat hepatocytes and HepaRG cells. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

146. Ponte, Filipa, Fraga, S., Moniz, T., Dias da Silva, D., Carvalho, F., Carmo, H., Remiao, F., Rangel, M., Bastos, M. L. (2014) In vitro evaluation of cytotoxicity of the insulin-mimetic zinc (II)

3-hydroxy-4-pyridinonate complexes in human intestinal epithelial Caco-2 cells. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

147. Feio-Azevedo, Rita, Costa, V. M., Barbosa, D., Gomes A., Pereira, F.C., Duarte-Araujo, M., Duarte, J.A., Fernandes, E., Bastos, M.L., Carvalho, F., Capela, J.P. (2014) Oxidative stress parameters in the brain and peripheral organs following exposure of adolescent rats to na MDMA neurotoxic regimen. XLIV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXII Reuniao de Farmacologia Clinica, XIII Reuniao de Toxicologia, Porto, 6 a 8 de Fevereiro.

148. Marcia Monteiro, Marcia Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho (2014) Development and validation of a gas chromatography/mass spectrometry method for simultaneous quantification of benzylpiperazine and its metabolites: application to a pilot toxicokinetic study in mice. VII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 12 a 14 de Fevereiro.

149. Jorge Carvalho, Marta Couto, Maria Joao Valente, Luis Vale, Joana Afonso, Manuela Morato, Felix Carvalho, Paulo Bettencourt, Teresa Sousa, Antonio Albino Teixeira (2014) Anti-inflammatory eicosanoids in chronic heart failure: relationship to disease severity and modulation by low-dose acetylsalicylic acid. VII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 12 a 14 de Fevereiro.

150. Rita Azevedo, Sonia Fraga, Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Maria Lourdes Bastos, Felix Carvalho (2014) Effects of superparamagnetic iron oxide nanoparticles on differentiated human SH-SY5Y neuroblastoma cells under hyperthermia. VII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 12 a 14 de Fevereiro.

151. Felix carvalho (2014) Involvement of mitochondria in the neurotoxicity of ecstasy. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.

152. Sofia Viana, Fernandes R.C., Canas P., Socodato R., Portugal C.C., Silva A.M., Carvalho F., Ali S.F., Fontes-Ribeiro C.A., Pereira F.C (2014) Reactive gliosis is not sustained by S100B/RAGE axis in dysfunctional striata from MPTP-intoxicated C57BL/6 mice. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.

153. Fernando Remiao, Helena Carmo, Felix Carvalho e Maria de Lourdes Bastos (2014) Ensino da Toxicologia nos cursos de 2º ciclo e mestrado integrado: experiencia da Faculdade de Farmacia da Universidade do Porto. Congresso Nacional de Praticas Pedagogicas no Ensino Superior. Porto, Portugal, 5 de Setembro.

154. Rita Feio-Azevedo, Costa V.M., Barbosa D., Gomes A., Pita I., Gomes S., Pereira F.C., Duarte-Araujo M., Duarte J.A., Marques F., Fernandes E., Bastos M.L., Carvalho F., Capela J.P (2015) Neurotoxicity of "ecstasy" to aged rats following a dose regimen relevant in humans. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.

155. Armanda Teixeira-Gomes, Costa, V.M., Feio-Azevedo, R., Duarte, J.A., Duarte-Araujo, M., Fernandes, E., Bastos, M.L., Carvalho, F., Capela, J.P (2015) Acute brain and peripheral organ toxicity of MDMA to adolescent rats following a human relevant binge dose. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.

156. Dias da Silva D., Filipa Ponte, Moniz T., Carmo H., Carvalho F., Remiao F., Rangel M., Bastos M.L. (2015) Zinc (II) 3-hydroxy-4-pyridinones as potential agents for Diabetes mellitus: toxicity and insulino-mimetic effects in HepG2, Caco-2, and 3T3-L1 cells. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.

157. Raquel R. Fonseca, Kofalvi, A., Lemos, C., Sequeira, A.C., Pita, I.R., Carvalho, F., Silva, C.D., Jarak, I., Cunha, R.A., Fontes Ribeiro, C.A., Carvalho R.A., Pereira, F.C. (2015) Slowing after speeding: impaired frontal cortical energetics and anhedonia in METH-injected mice. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.

158. Emanuele Alves, Soares, J., Ferreira, A.S.A., Cravo, S.M., Afonso, C.M.M., Netto, A.D.P., Carvalho, F., Dinis-Oliveira, R.J. (2015) Unveiling the psychotropic and toxic constituents of "Krokodil", following the street chemical synthesis procedure. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.

159. Maria Joao Valente, Araujo, A. M., Carvalho, F., Bastos, M. L., Guedes de Pinho, P., Carvalho, M. (2015) Hepatotoxicity of new psychoactive substances: an oxidative stress pathway induced by synthetic cathinones. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.
160. Juliana Garcia, Costa VM., Carvalho ATP., Silvestre R., Duarte J.A., Arbo M.D., Baltazar T., Dinis-Oliveira R.J., Baptista P., Bastos M.L., Carvalho F. (2015) Discovery of an effective antidote for Amanita phalloides poisoning. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.
161. Ana S. Oliveira, Fraga S., Carvalho F., Teixeira J. P., Bastos M.D.L., Guedes de Pinho P. (2015) Chemical analysis and in vitro cytotoxicity of Kratom (*Mitragyna speciosa*) products. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.
162. Diogo A. Fonseca, Guerra, A.F., Carvalho, F., Fernandes, E., Ferreira, L.P., Antunes, P.E., Antunes, M.J., Cotrim, M. D. (2015) The influence of hyperthermia on the vascular effects of MDMA and its major metabolites. XLV Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIII Reuniao de Farmacologia Clinica, XIV Reuniao de Toxicologia, Lisboa, 5 a 6 de Fevereiro.
163. Armada Texeira-Gomes, Vera Marisa Costa, Rita Feio-Azevedo, Jose Alberto Duarte, Margarida Duarte-Araujo, Eduarda Fernandes, Maria Lourdes Bastos, Felix Carvalho, Joao Paulo Capela (2015) Acute brain and peripheral organ toxicity of MDMA to adolescent rats following a human relevant binge dose. VIII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Maio, Porto.
164. Joao Neves, Jose Soares, Emanuele Alves, Annibal Netto, Felix Carvalho, Ricardo Dinis-Oliveira, Madalena Pinto, Carlos Afonso (2015) Chemical composition of "Krokodil": revealing a new street drug. VIII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Maio, Porto.
165. Joana Alves, Pedro Madureira, Maria Teresa Baltazar, Leandro Barros, Liliana Oliveira, Ricardo Jorge Dinis-Oliveira, Elva Bonifacio Andrade, Adilia Ribeiro, Luis Mira Vieira, Patrick Trieu-Cuot, Jose Alberto Duarte, Felix Carvalho, Paula Ferreira (2015) A safe and stable neonatal vaccine targeting gapdh confers protection against gbs infections in adult susceptible mice. Unidade Multidisciplinar de Investigacao Biomedica (UMIB-ICBAS) Summit, 24 e 25 de Setembro de 2015, Porto.
166. Sofia D. Viana, Jorge Valero, Paulo Rodrigues-Santos, Patricia Couceiro, Andrea M. Silva, Felix Carvalho, Syed F. Ali, Carlos A. Fontes Ribeiro, Frederico C. Pereira (2016) Rageing astrocytes in early Parkinson's disease. XLVI Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIV Reuniao de Farmacologia Clinica, XV Reuniao de Toxicologia, Porto, 4 a 6 de Fevereiro.
167. Paula Silva, Daniela Rodrigues, Diana Couto, Marisa Freitas, Vera Marisa Costa, Renan Campos Chiste, Agostinho Almeida, M. Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Felix Carvalho, Eduarda Fernandes (2016) Iron oxide nanoparticles activate hepatic and splenic mononuclear phagocyte system in mice. XLVI Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIV Reuniao de Farmacologia Clinica, XV Reuniao de Toxicologia, Porto, 4 a 6 de Fevereiro.
168. Vania Vilas-Boas, Nagamalai Vasimalai, Maria Teresa Fernandez-Arguelles, Felix Carvalho, Begona Espina (2016) Studying in vitro anticancer potential of carbon nanodots for the treatment of glioblastoma. XLVI Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIV Reuniao de Farmacologia Clinica, XV Reuniao de Toxicologia, Porto, 4 a 6 de Fevereiro.
169. Juliana Garcia, Vera M. Costa, Ana Elisa Costa, Sergio Andrade, Ana Cristina Carneiro, Filipe Conceicao, Jose Artur Paiva, Paula Guedes de Pinho, Paula Baptista, Maria de Lourdes Bastos, Felix Carvalho (2016) Successful treatment of amatoxins and isoxazoles-containing mushrooms poisoning: a case report. XLVI Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIV Reuniao de Farmacologia Clinica, XV Reuniao de Toxicologia, Porto, 4 a 6 de Fevereiro.
170. Ana Santos-Carvalho, Sonia Ferreira, Ana Margarida Araujo, Paula Guedes, Claudia Cavadas, Felix Carvalho (2016) Volatile burn products of synthetic cannabinoid 5f-pb 22 are toxic to neuronal, hepatic and cardiac in vitro models. XLVI Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIV Reuniao de Farmacologia Clinica, XV Reuniao de Toxicologia, Porto, 4 a 6 de Fevereiro.
171. F. X. Moreira, F. Carvalho, M. L. Bastos, P. Guedes de Pinho (2016) Mislabeling of salvia divinorum products acquired in smartshops or in the internet. XLVI Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIV Reuniao de Farmacologia Clinica, XV Reuniao de Toxicologia,



Porto, 4 a 6 de Fevereiro.

172. M. J. Valente, A. M. Araujo, R. Silva, M. L. Bastos, F. Carvalho, P. Guedes de Pinho, M. Carvalho (2016) Effect of hyperthermia on the toxicity of the 'bath salt' mdpv in primary cultured rat hepatocytes. XLVI Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXXIV Reuniao de Farmacologia Clinica, XV Reuniao de Toxicologia, Porto, 4 a 6 de Fevereiro.

173. Emanuele Amorim Alves, Pedro Brandao, Joao Filipe Neves, Sara Manuela Cravo, Jose Xavier Soares, Jose Alberto Duarte, Carlos Manuel Afonso, Annibal Duarte Pereira Neto, Felix Carvalho, Ricardo Jorge Dinis Oliveira, (2016) Toxicological studies on "krokodil" in Wistar rats. 1º Congresso da Associacao Portuguesa de Ciencias Forenses, Faculdade de Medicina da Universidade do Porto, 12-13 Fevereiro.

174. Ana Santos-Carvalho, Sonia Ferreira, Ana Margarida Araujo, Paula Guedes de Pinho, Claudia Cavadas, Felix Carvalho (2016) Toxicity of volatile burn products of the synthetic cannabinoid 5-F-P22 on neuronal, hepatic and cardiac cells. 1º Congresso da Associacao Portuguesa de Ciencias Forenses, Faculdade de Medicina da Universidade do Porto, 12-13 Fevereiro.

#### POSTER PRESENTATIONS AT SCIENTIFIC MEETINGS

1. Madalena M. M. Pinto, M. Fernanda Borges, Felix D. Carvalho (1989) Xanthones and their halogenated derivatives with biological activity. 1er Congreso Conjunto Hispano-Italiano de Quimica Terapeutica, Granada, Espanha, 19 a 22 de Setembro.

2. J. Goncalves, F. Carvalho, S. Guimaraes (1990) Does the distance between nerve varicosities and adrenoceptors play any role in the relative contribution of ATP/noradrenaline for postjunctional response? "International Symposium on Presynaptic Receptors and Neuronal Transporters", Rouen, Franca, 26 a 29 de Junho.

3. Carvalho F, Cunha S, Goncalves J (1991) Influencia da MAO na sintese de dopamina nas porcoes prostatica e epididimal do canal deferente de rato. IV Reuniao Conjunta das Sociedades Portuguesa e Espanhola de Farmacologia, Lisboa, 28 de Fevereiro a 2 de Marco.

4. Maria de Lourdes Bastos, Felix Carvalho, Maria Elisa Soares, Jose Fernandes, Margarida A. Ferreira M. (1992) Bioavailability of residues of diazepam and metabolites in liver: an in vivo previous study. International Symposium of Hormone and Veterinary Drug Residue Analysis, Ghent, Belgica, 19 a 22 de Maio.

5. Felix Carvalho, Maria de Lourdes Bastos (1992) Glutathione suppression in mouse tissues by the indirectly acting sympathomimetic amine d-amphetamine. VI International Congress of Toxicology, Roma, Italia, 28 de Junho a 4 de Julho.

6. Felix Carvalho, Maria de Lourdes Bastos (1992) Depletion of total non protein sulphhydryl groups in mouse tissues after administration of d-amphetamine. XX Reuniao da Sociedade Portuguesa de Farmacologia, Lisboa, 18 a 19 de Dezembro.

7. Duarte J. A. R., Carvalho F., Bastos M. L., Appel H. J., Soares J. M. C. (1993) Effects of colchicine administration on muscular glutathione after a single bout of exercise. Basic and Applied Exercise Physiology, Nijmegen, Holanda, 10 e 11 de Junho.

8. Felix Carvalho, Catherine J. Waterfield, Margarida Ferreira, Maria de Lourdes Bastos, John A. Timbrell (1993) Effect of repeated exposure to salbutamol on urinary and liver taurine levels in rats. British Toxicology Society Autumn Meeting, University of York, York, Inglaterra, 22 a 24 de Setembro.

9. Duarte J. A. R., Soares J. M. C., Carvalho F., Bastos M. L., Appel H. J. (1993) The contribution of capillary endothelium to oxidative stress in skeletal muscle after intense exercise. Congreso Mundial de Ciencias de la Actividade Fisica y el Deporte, Granada, Espanha, 12 a 15 de Novembro.

10. Maria de Lourdes Bastos, Felix Carvalho, Maria Elisa Soares, Jose Fernandes, Margarida A. Ferreira M. (1994) Salbutamol effects in lamb and residues evaluation after a sub-acute assay. Second International Symposium of Hormone and Veterinary Drug Residue Analysis, Bruges, Belgica, 31 de Maio a 3 de Junho.

11. Eduarda Fernandes, Felix Carvalho, Fernando, Maria de Lourdes Bastos, Madalena Pinto, Otto Gottlieb (1995) 3,4-Dihydroxy-2-methoxyxanthone and trans-kielcorin protect isolated rat hepatocytes against tert-butylhydroperoxide-induced toxicity. The British Toxicology Society Spring Meeting: "Altered Gene Expression in Toxicity", University of York, Inglaterra, 27 a 29 de Marco.

12. Eduarda Fernandes, Felix Carvalho, Fernando Remiao, Maria Lourdes Bastos, Madalena Pinto, Otto Gottlieb (1995) Protection of isolated rat hepatocytes against tert-butylhydroperoxide-induced toxicity by xanthonic derivatives. Research Conference on Mechanisms of Toxicity: Understanding Physiology and Diseases, Aghia Pelaghia, Grecia, 29 de Setembro a 4 de Outubro.

13. Felix Carvalho, Fernando Remiao, Cristina Almeida, Francisco Amado, Pedro Domingues, M. Graca Santana-Marques, M. Lourdes Bastos (1995) Formation of a glutathione adduct after

incubation of d-amphetamine with freshly isolated rat hepatocytes. International Conference on Drugs of Abuse - Recent Advances in Clinical and Experimental Research, Madeira, 29 de Abril a 3 de Maio.

14. Felix Carvalho, Fernando Remiao, Francisco Amado, Pedro Domingues, M. Graca Santana-Marques, M. Lourdes Bastos (1995) Conversion of d-amphetamine into (glutathion-S-yl)-p-hydroxyamphetamine in freshly isolated rat hepatocytes. Research Conference on Mechanisms of Toxicity: Understanding Physiology and Diseases, Aghia Pelaghia, Grecia, 29 de Setembro a 4 de Outubro.
15. M. E. Soares, I. Aragao, F. Carvalho, M. L. Bastos (1995) Monitorization of obidoxime in plasma of patients intoxicated with organophosphate compounds by HPLC-UV. 1st International Conference on New Areas of Pharmaceutical Research, Porto, 21 a 23 de Setembro.
16. F. Carvalho, F. Remiao, M. L. Bastos, M. Ferreira (1995) Taurine changes induced by salbutamol. 1st International Conference on New Areas of Pharmaceutical Research, Porto, 21 a 23 de Setembro.
17. Felix Carvalho, Fernando Remiao, Francisco Amado, Pedro Domingues, A. J. Ferrer Correia, Maria Lourdes Bastos (1996) d-Amphetamine causes glutathione depletion via cytochrome P450 2D in freshly isolated rat hepatocytes. XXXV European Congress of Toxicology (EUROTOX'96), Alicante, Espanha, 22 a 25 de Setembro.
18. Felix Carvalho, Fernando Remiao, M. Elisa Soares, Rita Catarino, Paulo Sousa, Gloria Queiroz, M. Lourdes Bastos (1996) d-Amphetamine and catecholamines potentiate hyperthermia-induced hepatotoxicity in isolated rat hepatocytes. XXXV European Congress of Toxicology (EUROTOX'96), Alicante, Espanha, 22 a 25 de Setembro.
19. Maria de Lourdes P.A.S. Bastos, Felix Carvalho, Fernando Remiao, Maria Elisa Soares, (1998) Investigacao e Desenvolvimento no Laboratorio de Toxicologia da Faculdade de Farmacia da Universidade do Porto. First Meeting of Opportunities for Pharmaceutical R&D in Portugal. IBET, Oeiras, 20 a 21 de Fevereiro.
20. Felix Carvalho, Eduarda Fernandes, Fernando Remiao, Paulo Sousa, Maria de Lourdes Bastos (1998) Adaptation of rat liver and kidney antioxidant defenses after d-amphetamine repeated administration. VIII International Congress of Toxicology, Paris, Franca, 5 a 9 de Julho.
21. Fernando Remiao, Helena Ferreira, Gabriela Ramos, Felix Carvalho, Maria de Lourdes Bastos (1998) Inhibition of glutathione reductase by isoproterenol oxidation products. VIII International Congress of Toxicology, Paris, Franca, 5 a 9 de Julho.
22. Fernandes E.R., Borges M.F., Silva F.A., Carvalho F.D., Bastos M.L. (1998) Evaluation of superoxide scavenging activity of cinnamic acid derivatives. XIX International Conference on Polyphenols, Lille, Franca, 1 a 4 de Setembro.
23. Carvalho, F., Remiao, F., Soares, M.E., Catarino, R., Sousa, P., Queiros, G., Bastos, M.L. (1998) Direct and indirect toxicity of d-amphetamine in isolated rat hepatocytes. Reuniao Anual da Sociedade Portuguesa de Farmacologia, Cascais, 3 a 5 de Dezembro.
24. Ramos G, Carvalho F, Bastos ML, Ferreira M (1999) In vitro evaluation of the hepatotoxic effects induced by a bronchodilator medicine using isolated rat hepatocytes. 1º Encontro do ICETA/CEQUP, Porto, em Fevereiro.
25. Remiao F., Carmo H., Ramos, G., Carvalho, F., Bastos, M.L. (1999) In Vitro oxidation of isoproterenol inhibits glutathione reductase. I Encontro do ICETA/CEQUP, Porto, em Fevereiro.
26. F Carvalho, E Fernandes, F Remiao, J Gomes-da-Silva, M A Tavares & ML Bastos (1999) Effect of repeated exposure to d-amphetamine on endogenous antioxidants in the rat brain. Joint Meeting of the Portuguese and British Pharmacological Societies, Porto, de 8 a 10 de Abril.
27. Duarte JA, Carvalho F, Natsis K, Remiao F, Bastos ML, Appell H-J, Soares JMC (1999) Repeated administration of d-amphetamine induces structural alterations in skeletal muscle. 46th Annual Meeting of the American College of Sports Medicine, Seattle, USA, 2 a 5 de Junho.
28. Carvalho FD, Duarte JA, Carmo H, Neuparth MJ, Fernandes E, Remiao F, Bastos ML (1999) d-amphetamine induced hydrogen peroxide production in mice tissues. XXXVII European Congress of Toxicology, Oslo, Noruega, 27 a 30 de Junho.
29. Fernandes E, Borges F, Milhazes N, Carvalho FD, Bastos ML (1999) Evaluation of superoxide radical scavenging activity of gallic acid and its alkyl-esters using an enzymatic and a non-enzymatic system. XXXVII European Congress of Toxicology, Oslo, Noruega, 27 a 30 de Junho.
30. Fernanda Borges, Eduarda Fernandes, Nuno Milhazes, Ines Pinto, Felix Carvalho, Maria de Lourdes Bastos (1999) Synthesis and evaluation of antiradicalar activity of nitrostyryl phenolic compounds. 3º Encontro Nacional de Quimica Organica, Universidade da Beira Interior, Covilha, 23 a 26 de Junho.

31. Eduarda Fernandes, Fernanda Borges, Nuno Milhazes, Francisco Silva, Felix Carvalho, Maria de Lourdes Bastos (1999) Antioxidant activity of caffeic acid, hydrocaffeic acid and derivatives. 4<sup>o</sup> Congresso de Radicais Livres em Quimica, Biologia e Medicina, Troia, 22 a 24 de Setembro.
32. Valentao, P., Fernandes, E., Carvalho, F., Andrade, P., Seabra, R., Bastos, M.L. (1999) Antioxidant activity of Centaurium erythraea. 4<sup>o</sup> Congresso de Radicais Livres em Quimica, Biologia e Medicina, Troia, 22 a 24 de Setembro.
33. Eduarda Fernandes, Fernanda Borges, Nuno Milhazes, Felix Carvalho, Maria de Lourdes Bastos (1999) Implementacao de metodos de micro-analise para avaliacao da actividade anti-radicalar. XIII Encontro Galego-Portugues de Quimica, Vigo, Espanha, 17 a 19 de Novembro.
34. Nuno Milhazes, Helena Carmo, Marcia Carvalho, Felix Carvalho, Fernanda Borges, Maria de Lourdes Bastos (2000) Chemical and toxicological profile of "designer drugs". XVII Encontro Nacional da Sociedade Portuguesa de Quimica, Lisboa, de 1 a 3 de Marco.
35. Eduarda Fernandes, Fernanda Borges, Nuno Milhazes, Francisco Silva, Felix Carvalho, Maria de Lourdes Bastos, Carla Guimaraes, Jose L.F.C. Costa Lima, Carla Matos, Salette Reis (2000) Evaluation of antiradicalar activity and dissociation constants of phenolic derivatives with potential anti-inflammatory activity. XVII Encontro Nacional da Sociedade Portuguesa de Quimica, Lisboa, 1 a 3 de Marco.
36. Remiao, F., Carmo, H., Soares, M.E., Carvalho, F., Bastos, M.L. (2000) Avaliacao de marcadores de stress oxidativo por HPLC. Curso de HPLC - Teoria e Aplicacoes. Instituto Superior de Engenharia do Porto, Porto, 16 e 17 de Marco.
37. C. Antao, M.E. Soares, E. Bronze-da-Rocha, F. Carvalho, M.L. Bastos, L. Guilhermino (2000) Avaliacao in vivo e in vitro da ecotoxicidade do niquel para o cladocero Daphnia magna utilizando a enzima acetilcolinesterase como parametro indicativo. 3<sup>o</sup> Congresso Iberico de Contaminacao e Toxicologia Ambiental, Universidade do Algarve, Campus de Gambelas, 3 a 20 de Abril.
38. Milhazes, N., Remiao, F., Carmo, H., Borges, F., Carvalho, F., Bastos, M.L. (2000) Oxidation of adrenaline and isoprenaline into their aminochromes using enzymatic and non-enzymatic systems: a comparative study. XIXth European Colloquium on Heterocyclic Chemistry, Aveiro, de 19 a 22 de Julho.
39. C. Antao, M.E. Soares, E. Bronze-da-Rocha, F. Carvalho, M.L. Bastos, L. Guilhermino (2000) Toxicity of nickel compounds to a standard species in ecotoxicology (Daphnia magna). 7th Federation of European Chemical Societies (FECS) Conference on Chemistry and the Environment, Porto, 27 a 30 de Agosto.
40. Carvalho FD, Carmo H, Duarte JA, Neuparth MJ, Fernandes E, Remiao F, Bastos ML (2000) d-Amphetamine production of hydrogen peroxide in mouse tissues - Influence of adrenergic stimulation. XXXVIII European Congress of Toxicology (EUROTOX), Londres, Inglaterra, 17 a 19 de Setembro.
41. Carvalho M, Carvalho F, Bastos ML (2000) Hyperthermia exposes freshly isolated mouse hepatocytes to MDMA (ecstasy) toxicity. XXXVIII European Congress of Toxicology (EUROTOX), Londres, Inglaterra, 17 a 19 de Setembro.
42. Remiao F, Carmo H, Carvalho F, Bastos ML (2000) Isoproterenol-induced oxidative stress in freshly isolated rat cardiomyocytes. XXXVIII European Congress of Toxicology (EUROTOX), Londres, Inglaterra, 17 a 19 de Setembro.
43. Carvalho M, Carvalho F, Bastos ML (2000) Hepatotoxicity of ecstasy in isolated mouse hepatocytes - influence of hyperthermia. XII Congresso Nacional de Bioquimica, Povoá de Varzim, 28 a 30 de Setembro.
44. Carvalho FD, Carmo H, Duarte JA, Neuparth MJ, Fernandes E, Remiao F, Bastos ML (2000) Adrenergic dependent production of hydrogen peroxide induced by amphetamine. XII Congresso Nacional de Bioquimica, Povoá de Varzim, 28 a 30 de Setembro.
45. Remiao, F., Carmo, H., Carvalho, F., Bastos, M. L. (2000) The study of oxidative stress in freshly isolated calcium-tolerant cardiomyocytes from adult rat. 11th International Workshop on In Vitro Toxicology (INVITOX2000), Alicante, Espanha, 25 a 28 de Outubro.
46. Nuno Milhazes, Fernando Remiao, Helena Carmo, Fernanda Borges, Felix Carvalho, Maria de Lourdes Bastos (2000) Desenvolvimento de uma Metodologia Analitica para a Monitorizacao da Oxidacao de Catecolaminas. XIV Encontro Luso-Galego de Quimica, Braga, 22 a 24 de Novembro.
47. T. Sousa, E Fernandes, F.Carvalho, A. Albino-Teixeira (2001) Effect of DPSPX (1,3-dipropyl-8-sulfophenilxanthine) induced hypertension on liver catalase and superoxide dismutase activities. 6eme Congres Annuel de la Societe Francaise de Pharmacologie. Joint Meeting with Pharmacological Societies of Brazil and Portugal, Rennes, Franca, 8 a 10 de Abril.

48. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2001) Evaluation of clofibrate and clofibric acid inducing effects in an aquatic animal model (*Gambusia holbrooki*). SETAC Europe 11th Annual Meeting, Madrid, Espanha, 6 a 10 Maio.
49. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2001) Biomarkers for the assessment of toxic effects induced by therapeutic agents on estuarine ecosystems. SETAC Europe 11th Annual Meeting, Madrid, Espanha, 6 a 10 Maio.
50. F. Carvalho, E. Fernandes, F. Remiao, J. Gomes-da Silva, M. A. Tavares, M. L. Bastos (2001) The activity of antioxidant enzymes in different areas of rat brain is modified after in vivo exposure to d-amphetamine. 8th Meeting of the International Neurotoxicology Association, Estoril, 17 a 22 Junho.
51. F. Lemos-Amado, P. Domingues, F. Remiao, N. Milhazes, F. Carvalho, F. Borges, A Ferrer-Correia, M.L. Bastos (2001) Aminochromes: synthesis, HPLC separation, ESI-MS characterization and in vitro studies in freshly isolated cardiomyocytes. 27th Meeting of the Federation of European Biochemical Societies, Lisboa, 30 de Junho a 5 de Julho.
52. Nuno Milhazes, Pedro Martins, Fernanda Borges, Eugenio Uriarte, Marcia Carvalho, Felix Carvalho, Eduarda Fernandes, Maria de Lourdes Bastos (2001) Synthesis of putative metabolites of 3,4-methylenedioxymethamphetamine (ecstasy). 12th European Symposium on Organic Chemistry, Groningen, Holanda, 13 a 18 de Julho.
53. T. Sousa, E. Fernandes, F. Carvalho, A. Albino Teixeira (2001) Xanthine oxidase inhibition by DPSPX (1,3-dipropyl-8-sulfophenilxanthine). British Pharmacological Society & The Physiological Society with Sociedade Portuguesa de Farmacologia, Autumn Meeting, University of Bristol, Inglaterra, 5 a 7 Setembro.
54. T. Sousa, E. Fernandes, F. Carvalho, J. Laranjinha, C. Nunes, A. Albino-Teixeira (2001) Direct scavenging of nitric oxide by DPSPX (1,3-dipropyl-8-sulfophenilxanthine). British Pharmacological Society & The Physiological Society with Sociedade Portuguesa de Farmacologia, Autumn Meeting, University of Bristol, Inglaterra, de 5 a 7 de Setembro.
55. E. Fernandes, F. Carvalho, A.M.S. Silva, C.M.M. Santos, D.C.G.A. Pinto, J.A.S. Cavaleiro, M.L. Bastos (2001) Potent inhibition of xanthine oxidase by novel 2-styrylchromones. Eurotox'2001 Congress, Istanbul, Turquia, 12 a 15 de Setembro.
56. H. Carmo, F. Remiao, F. Carvalho, D. Boer, L.A. Reys, M. L. Bastos (2001) The hyperthermic effect of p-methylthioamphetamine in mice. Eurotox'2001 Congress, Istanbul, Turquia, 12 a 15 de Setembro.
57. M. Carvalho, F. Carvalho, M.L. Pereira, R. Pires-das-Neves, M.L. Bastos (2001) The role of ambient temperature in ecstasy (MDMA)- induced toxicity in mice liver. Eurotox'2001 Congress, Istanbul, Turquia, de 12 a 15 de Setembro
58. F. Remiao, H. Carmo, M. Carvalho, F. Carvalho, M.L. Bastos (2001) Cardiomyocyte toxic effects as a result of isoproterenol oxidation. Eurotox'2001 Congress, Istanbul, Turquia, 12 a 15 de Setembro.
59. M.E. Soares, E. Fernandes, F. Carvalho, F. Remiao, M. Carvalho, Pires-das-Neves R., M.L. Pereira, M.L. Bastos (2001) Urinary excretion of 4-hydroxy-amphetamine and amphetamine in mice during repeated administration of d-amphetamine. Eurotox'2001 Congress, Istanbul, Turquia, 12 a 15 de Setembro.
60. Lima C, Carvalho F, Fernandes E, Bastos ML, Santo-Gomes PC, Fernandes-Ferreira M, Pereira C (2001) Hepatotoxicity of an essential oil of *Salvia officinalis* L. An in vitro study using freshly isolated rat hepatocytes. Biomarkers 2001, Povoia de Varzim, 24 a 26 Setembro.
61. Nunes B, Carvalho F, Guilhermino L (2001) Assessment of exposure to pharmaceutical drugs In the environment: suitability of biomarkers in aquatic animal models. Biomarkers 2001, Povoia de Varzim, 24 a 26 Setembro.
62. H. Carmo, F. Remiao, F. Carvalho, D. Boer, L.A. Reys, M. L. Bastos (2001) The hyperthermic effect of p-methylthioamphetamine in mice. REQUIMTE 2001, Costa da Caparica, de 28 a 29 Setembro.
63. M. Carvalho, F. Carvalho, M.L. Pereira, R. Pires-das-Neves, M.L. Bastos (2001) The role of ambient temperature in ecstasy (MDMA)- induced toxicity in mice liver. REQUIMTE 2001, Costa da Caparica, 28 a 29 Setembro.
64. F. Remiao, H. Carmo, M. Carvalho, F. Carvalho, M.L. Bastos (2001) Cardiomyocyte toxic effects as a result of isoproterenol oxidation. REQUIMTE 2001, Costa da Caparica, 28 a 29 Setembro.
65. Nuno Milhazes, Pedro Martins, Fernanda Borges, Eugenio Uriarte, Marcia Carvalho, Felix Carvalho, Eduarda Fernandes, Maria de Lourdes Bastos (2001) A new insight on the synthesis of

- a-methyl-dopamine - a toxic metabolite of ecstasy. 4<sup>o</sup> Encontro Nacional de Química Organica, Universidade de Coimbra, 26 a 28 de Setembro.
66. Felix Carvalho, Eduarda Fernandes, Fernando Remiao, Maria de Lourdes Bastos (2001) Effect of d-amphetamine repeated administration on rat antioxidant defences. 2nd International Meeting on Cellular Responses to Oxidative and Osmotic Stress: Sensing, Signalling and Gene Expression, Povoá de Varzim, 7 a 10 Novembro.
67. K. Ruscher, A. Meisel, U. Dirnagl, F. Carvalho, E. Fernandes, M.L. Bastos (2001) Regulation of cellular signalling and neuronal gene expression by 3,4-methylene-dioxyamphetamine. Influence of hyperthermia and hypoxia. 31<sup>st</sup> Annual Meeting of the Society for Neuroscience in San Diego. San Diego, USA, 10 a 15 de Novembro.
68. Fernando Remiao, Marcia Carvalho, Helena Carmo, Felix Carvalho, Maria L. Bastos, (2001) Isoproterenol/Cu<sup>2+</sup> oxidative effects in isolated cardiomyocytes. V Congresso de Radicais Livres em Química, Biologia e Medicina, Porto, 13 a 15 de Dezembro.
69. Sousa, T., Fernandes, E., Carvalho, F., Laranjinha, J., Nunes, C., Albino-Teixeira, A. (2002) Estudo do efeito de alguns derivados xantínicos sobre o monóxido de azoto. VIII Reuniao da Associação Portuguesa de Hipertensão, Vidago, 1 a 3 de Fevereiro.
70. Fernando Remiao, Daniel Rettori, Derick Han, Felix Carvalho, Maria L. Bastos (2002) Leukoisoprenochrome-o-semiquinone formation in freshly isolated rat cardiomyocytes. 2002 World Congress of the Oxygen Club of California, Santa Barbara, California, USA, 6 a 9 de Março.
71. Valentao P, Fernandes E, Carvalho F, Andrade PB, Seabra RM, Bastos ML (2002) Scavenging effect of Lippia citriodora infusion on hydroxyl radical and hypochlorous acid. International Symposium on Dietary Phytochemicals and Human Health, Universidade de Salamanca, Espanha, 18 a 20 de Abril.
72. Soares, M.E., Carvalho, M., Carmo, H., Carvalho, F., Bastos, M.L. (2002) Simultaneous determination of amphetamine derivatives in human urine by HPLC-UV. XXII International Congress of the European Association of Poisons Centres and Clinical Toxicologists (EAPCCT), Lisboa, 22 a 25 Maio.
73. Francisco M Amado, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Felix Carvalho, Maria L Bastos, Pedro M Domingues, Antonio J Ferrer-Correia (2002) Analysis of aminochromes by ESI-MS/MS determination of adrenochrome in rat blood. 50<sup>th</sup> ASMS Conference on Mass Spectrometry and Allied Topics, Orlando, Florida, 30 de Maio a 4 de Junho.
74. Sousa T., Fernandes E., Carvalho F., Laranjinha J., Nunes C., Albino-Teixeira A (2002) Nitric oxide scavenging by DPSPX (1,3-dipropyl-8-sulfophenylxanthine). Joint Satellite Symposium "Nitric Oxide in Hypertension and Other Cardiovascular Diseases" of the 2nd International Conference of Nitric Oxide and 19<sup>th</sup> Scientific Meeting of the International Society of Hypertension, Praga, Republica Checa, 14 a 19 de Junho.
75. Sousa T., Fernandes E., Carvalho F., Laranjinha J., Nunes C., Albino-Teixeira A. (2002) Inactivation of nitric oxide by a xanthinic hypertensive agent. Young Investigators Initiative, 19<sup>th</sup> Scientific Meeting of the International Society of Hypertension, 12<sup>th</sup> European Meeting on Hypertension, Praga, Republica Checa, 14 a 19 de Junho.
76. Sousa, T., Fernandes, E., Morato, M., Carvalho, F., Albino-Teixeira, A. (2002) Antioxidant enzyme activity in rat mesenteric artery from DPSPX (1,3-dipropyl-8-sulfophenylxanthine) hypertensive-rats. 22<sup>nd</sup> Meeting of the European Society for Microcirculation, Exeter, Devon, Inglaterra, 28 a 30 de Agosto.
77. Helena Carmo, Fernando Remiao, Felix Carvalho, Eduarda Fernandes, Douwe de Boer, Lesseps A. dos Reys, Maria de Lourdes Bastos, Jan Hengstler, Franz Oesch (2002) The metabolism of 4-methylthioamphetamine in mice. In vivo and in vitro studies. Eurotox' 2002 Congress, Budapeste, Hungria, 15 a 18 de Setembro.
78. Fernando Remiao, Daniel Rettori, Derick Han, Felix Carvalho, Maria L. Bastos, Enrique Cadenas (2002) Leukoisoprenochrome-o-semiquinone (LloSQ) formation in rat cardiomyocyte membranes. Eurotox' 2002 Congress, Budapeste, Hungria, 15 a 18 de Setembro
79. Eduarda Fernandes, Marcia Carvalho, Felix Carvalho, Artur M. S. Silva, Clementina M. M. Santos, Diana C. G. A. Pinto, Jose A. S. Cavaleiro, Maria de Lourdes Bastos (2002) Hepatoprotective activity of polyhydroxylated 2-styrylchromones against tert-butylhydroperoxide-induced toxicity in freshly isolated rat hepatocytes. Eurotox' 2002 Congress, Budapeste, Hungria, 15 a 18 de Setembro.
80. Marcia Carvalho, Gabrielle Hawksworth, Nuno Milhazes, Fernanda Borges, Terrence Monks, Eduarda Fernandes, Felix Carvalho, Maria Lourdes Bastos (2002) Metabolism as a determinant of MDMA (ecstasy)-induced nephrotoxicity in primary cultures of rat and human proximal tubular cells. Eurotox' 2002 Congress, Budapeste, Hungria, 15 a 18 de Setembro.



81. Felix Carvalho, Ines Machado, M. Sanchez Martinez, Amadeu Soares, Lucia Guilhermino (2002) Protective effect of atropine against paraoxon-induced toxicity to *Daphnia magna*. Eurotox' 2002 Congress, Budapeste, Hungria, 15 a 18 de Setembro
82. Maria Elisa Soares, Eduarda Fernandes, Ricardo Dinis Oliveira, Felix Carvalho, Marta Ferreira, Laurinda Silva, Maria Armada Reis-Henriques, Maria de Lourdes Bastos (2002) Metal and antioxidant enzyme contents in the Mullet (*Mugil cephalus*) from Douro river estuary. Effect of maintenance in clear water. Eurotox' 2002 Congress, Budapeste, Hungria, 15 a 18 de Setembro.
83. Eduarda Fernandes, Felix Carvalho, Artur MS Silva, Clementina MM Santos, Diana CGA Pinto, Jose AS Cavaleiro, Maria de Lourdes Bastos (2002) Screening of superoxide radical scavenging activity of 2-styrylchromones using a microplate assay. Expoquimia, Barcelona, Espanha, 26 a 29 de Novembro.
84. Sousa, T., Morato, M., Fernandes, E., Carvalho, F., Albino-Teixeira, A. (2003) Actividade antioxidante na arteria mesenterica e na aorta num modelo de hipertensao com activacao do sistema renina-angiotensina. IX Reuniao da Associacao Portuguesa de Hipertensao, Sintra, 24 a 26 de Janeiro.
85. Sousa, T., Morato, M., Fernandes, E., Carvalho, F., Albino-Teixeira, A. (2003) Vascular antioxidant enzyme activity in experimental hypertension with activation of the renin-angiotensin system. Thirteenth European Meeting on Hypertension, Milao, Italia, 13 a 17 de Junho.
86. B. Nunes, F. Carvalho, L. Guilhermino (2003) Standardization of *Tetraselmis chuii* culture conditions for its use as test-organism in ecotoxicological testing. 9th European Association for Veterinary Pharmacology and Toxicology (EAVPT) Congress, Lisboa, 13 a 18 Julho.
87. B. Nunes, F. Carvalho, L. Guilhermino (2003) Characterization of total head cholinesterases of *Gambusia holbrooki* (mosquitofish) and the assessment of effects induced by two environmental contaminants. 9th European Association for Veterinary Pharmacology and Toxicology (EAVPT) Congress, Lisboa, 13 a 18 Julho.
88. M. M. Frasco, S. M. Moreira, R. Ribeiro, F. Carvalho, L. Guilhermino (2003) Biochemical characterization of cholinesterases from *Palaemon serratus* (Arthropoda: Crustacea) and *Hediste diversicolor* (Annelida: Polychaeta). 9th European Association for Veterinary Pharmacology and Toxicology (EAVPT) Congress, Lisboa, 13 a 18 Julho.
89. Dalia I.R. Goncalves, Antonio J.M. Moreno, Helena Carmo, Eduarda Fernandes, Felix Carvalho, Maria de Lourdes Bastos, Jose B.A. Custodio (2003) Cardiotoxicity mediated by amphetamine derivatives may be related to an impairment on mitochondrial bioenergetics. 5th Iberian and 2nd Iberoamerican Congresss of Environmental Contamination and Toxicology, CICTA 2003, Porto, 22 a 24 Setembro.
90. Dalia I.R. Goncalves, Antonio J.M. Moreno, Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Jose B.A. Custodio (2003) Ecstasy inhibits the Ca<sup>2+</sup>-dependent mitochondrial permeability transition: relevance for ecstasy toxicity. 5th Iberian and 2nd Iberoamerican Congresss of Environmental Contamination and Toxicology, CICTA 2003, Porto, 22 a 24 Setembro.
91. Sousa, T., Morato, M., Fernandes, E., Carvalho, F., Albino-Teixeira, A. (2003) Comparison of vascular glutathione peroxidase activity in 1,3-dipropyl-8-sulphophenylxanthine hypertensive rats and in renovascular hypertension. 11th Porto Meeting on Adrenergic Mechanisms, Porto, 25 a 27 de Setembro.
92. Maria Elisa Soares, Marcia Carvalho, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2003) SPE extraction and HPLC-UV determination of amphetamine derivatives in human urine. Eurotox' 2003 Congress, Florenca, Italia, 28 de Setembro a 1 de Outubro.
93. Marcia Carvalho, Nuno Milhazes, Fernando Remiao, Fernanda Borges, Eduarda Fernandes, Terrence Monks, Felix Carvalho, Maria Lourdes Bastos (2003) Hepatotoxic effects of 3,4-methylenedioxyamphetamine and  $\alpha$ -methyldopamine in freshly isolated rat hepatocytes. Eurotox' 2003 Congress, Florenca, Italia, 28 de Setembro a 1 de Outubro.
94. Marcia Carvalho, Nuno Milhazes, Fernando Remiao, Fernanda Borges, Eduarda Fernandes, Felix Carvalho, Maria Lourdes Bastos (2003) The metabolism of 3,4-methylenedioxymethamphetamine (ecstasy) into N-methyl- $\alpha$ -methyldopamine drastically increases its in vitro toxicity. Eurotox' 2003 Congress, Florenca, Italia, 28 de Setembro a 1 de Outubro.
95. Marcia Carvalho, Nuno Milhazes, Fernando Remiao, Fernanda Borges, Eduarda Fernandes, Felix Carvalho, Maria Lourdes Bastos (2003) Metabolism is required for the expression of ecstasy-induced cardiotoxicity in vitro. Eurotox' 2003 Congress, Florenca, Italia, 28 de Setembro a 1 de Outubro.

96. Fernando Remiao, Nuno Milhazes, Fernanda Borges, Felix Carvalho, Maria de Lourdes Bastos, Francisco Lemos-Amado, Pedro Domingues, A. Ferrer-Correia (2003) Analysis of aminochromes by HPLC- photodiode array. Adrenochrome Evaluation in Rat Blood. Eurotox' 2003 Congress, Florenca, Italia, 28 de Setembro a 1 de Outubro.
97. Helena Carmo, Jan G. Hegstler, Douwe de Boer, Michael Ringel, Fernando Remiao, Felix Carvalho, Eduarda Fernandes, Lesseps dos Reys, Franz Oesch, Maria de Lourdes Bastos (2003) Comparative hepatic metabolism studies of 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in six species including human using cryopreserved hepatocytes. Eurotox' 2003 Congress, Florenca, Italia, 28 de Setembro a 1 de Outubro.
98. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Andrade, Rosa Seabra, Maria de Lourdes Bastos (2003) The reactive oxygen species hydroxyl radical and hypochlorous acid are efficiently scavenged by small centaury infusion. 1st International Conference on Polyphenols and Health, Vichy, Franca, 18 a 21 de Outubro.
99. Marcia Carvalho, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Eduarda Fernandes, Terrence J. Monks, Francisco Amado, Felix Carvalho, Maria Lourdes Bastos (2003) Formation of glutathione conjugates in rat hepatocytes incubated with 3,4-methylenedioxyamphetamine (MDA) and ?-methyldopamine. 6th Portuguese Congress on Free radicals in Chemistry, Biology and Medicine. 1st Luso-Spanish Congress on Free Radicals, Auditorio da Universidade de Coimbra, 4 a 6 de Dezembro.
100. Eduarda Fernandes, Marcia Carvalho, Felix Carvalho, Artur M. S. Silva, Clementina M. M. Santos, Diana C. G. A. Pinto, Jose A. S. Cavaleiro, Maria de Lourdes Bastos (2003) Protective activity of 2-styrylchromone derivatives against the pro-oxidant hepatotoxic effect elicited by tert-butylhydroperoxide in freshly isolated rat hepatocytes. 6th Portuguese Congress on Free radicals in Chemistry, Biology and Medicine. 1st Luso-Spanish Congress on Free Radicals, Auditorio da Universidade de Coimbra, 4 a 6 de Dezembro.
101. Teresa Sousa, Manuela Morato, Eduarda Fernandes, Felix Carvalho, Antonio Albino-Teixeira (2003) Comparison of glutathione peroxidase activity in mesenteric vessels from hypertensive rats with activation of the renin-angiotensin system. 6th Portuguese Congress on Free radicals in Chemistry, Biology and Medicine. 1st Luso-Spanish Congress on Free Radicals, Auditorio da Universidade de Coimbra, 4 a 6 de Dezembro.
102. Patricia Valentao, Marcia Carvalho, Eduarda Fernandes, Felix Carvalho, Paula Branquinho Andrade, Rosa Maria Seabra, Maria de Lourdes Bastos (2003) Chemical and biological evaluation of Hypericum androsaemum infusion antioxidant activity. 6th Portuguese Congress on Free radicals in Chemistry, Biology and Medicine. 1st Luso-Spanish Congress on Free Radicals, Auditorio da Universidade de Coimbra, 4 a 6 de Dezembro.
103. Fernando Remiao, Nuno Milhazes, Fernanda Borges, Felix Carvalho, Maria de Lourdes Bastos, Francisco Lemos Amado, Antonio Ferrer-Correia (2003) Analysis by HPLC-photodiode array. Adrenochrome evaluation in rat blood. Oxigen Club of California Congress, Oxidants and Antioxidants in Biology, El Puerto de Santa Maria, Cadiz, Espanha, 6 a 9 de Fevereiro.
104. Helena Carmo, Jan G. Hegstler, Douwe de Boer, Michael Ringel, Fernando Remiao, Felix Carvalho, Eduarda Fernandes, Lesseps dos Reys, Franz Oesch, Maria de Lourdes Bastos (2004) Comparative hepatic metabolism studies of 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in six species including human using cryopreserved hepatocytes. 3º Encontro do REQUIMTE, Fatima, 9 a 10 de Janeiro.
105. Marcia Carvalho, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Eduarda Fernandes, Maria do Ceu Monteiro, Maria Jose Goncalves, Felix Carvalho, Maria Lourdes Bastos (2004) In vitro study on the cardiotoxic potencial of ecstasy and its major metabolites. 3º Encontro do REQUIMTE, Fatima, 9 a 10 de Janeiro.
106. Fernando Remiao, Daniel Rettori, Derick Han, Felix Carvalho, Maria L. Bastos, Enrique Cadenas (2004) Isoproterenol oxidation in freshly isolated rat cardiomyocytes. 3º Encontro do REQUIMTE, Fatima, 9 a 10 de Janeiro.
107. Patricia Valentao, Eduarda Fernandes, Felix Carvalho, Paula Branquinho Andrade, Rosa Maria Seabra, Maria de Lourdes Bastos (2004) The reactive oxygen species hydroxyl radical and hypochlorous acid are efficiently scavenged by small centaury infusion. 3º Encontro do REQUIMTE, Fatima, 9 a 10 de Janeiro.
108. Sousa T., Morato M., Pinho D., Fernandes E., Carvalho F., Albino-Teixeira A. (2004) Actividade antioxidante em territorios venosos num modelo de hipertensao com activacao do sistema renina-angiotensina. Primeira Reuniao da Sociedade Portuguesa de Hipertensao, Porto, 30 de Janeiro.

109. T. Sousa, M. Morato, E. Fernandes, F. Carvalho, A. Albino-Teixeira (2004) Comparison of antioxidant enzyme activity in arteries and veins from renovascular hypertensive rats. 20th Scientific Meeting of the International Society of Hypertension, Sao Paulo, Brasil, 15 a 19 de Fevereiro.
110. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2004) Implementation of culture methodologies, and assessment of acute effects of pharmaceuticals on *Artemia parthenogenetica*. SETAC Europe 14th Annual Meeting, Praga, Republica Checa, 18 a 22 Abril.
111. Manuela. Frasco, Felix Carvalho, Lucia Guilhermino (2004) *Palaemon serratus* acetylcholinesterase: kinetic studies of copper ion inhibition. SETAC Europe 14th Annual Meeting, Praga, Republica Checa, 18 a 22 Abril.
112. M.L. Bastos, H. Carmo, J.G. Hengstler, D. de Boer, M. Ringel, F. Carvalho, E. Fernandes, F. Remiao, L. Reys, F. Oesch (2004) Metabolism of the designer drug 4-methylthioamphetamine (4-MTA) by hepatocytes from man, monkey, dog, rabbit, rat and mouse: a comparative study. 10th International Congress of Toxicology, Tampere, Finlandia, 11 a 15 de Julho.
113. H. Carmo, D. de Boer, F. Remiao, F. Carvalho, L.A. dos Reys, M.L. Bastos (2004) Metabolic pathways on the designer drug of abuse 4-bromo-2,5-dimethoxyphenethylamine (2C-B) in mice. 10th International Congress of Toxicology, Tampere, Finlandia, 11 a 15 de Julho.
114. Marcia Carvalho, Fernando Remiao, Nuno Milhazes, Fernanda Borges, Eduarda Fernandes, Felix Carvalho, Maria Lourdes Bastos (2004) In vitro hepatotoxicity of N-methyl-a-methyl-dopamine. Protective effect by antioxidants. 10th International Congress of Toxicology, Tampere, Finlandia, 11 a 15 de Julho.
115. J.P. Capela, K. Ruscher, A. Meisel, U. Dirnagl, M. Lautenschlager, M.L. Bastos, F. Carvalho (2004) 3,4-Methylenedioxymethamphetamine neurotoxicity in rat cortical neurons. Influence of hyperthermia. EPHAR 2004 Congress, Porto, 14 a 17 de Julho.
116. H. Carmo, F. Remiao, F.D. Carvalho, D. de Boer, L.A. Reys, M.L. Bastos (2004) p-Methylthioamphetamine induced hyperthermia in mice. Influence of serotonergic and catecholaminergic pathways. EPHAR 2004 Congress, Porto, 14 a 17 de Julho.
117. T. Sousa, M. Morato, D. Pinho, E. Fernandes, F. Carvalho, A. Albino-Teixeira (2004) Antioxidant enzyme activity in resistance and conduit vessels from hypertensive rats with activation of the renin-angiotensin system. EPHAR 2004 Congress, Porto, 14 a 17 de Julho.
118. M. Carvalho, F. Remiao, E. Fernandes, F. Carvalho, M.L. Bastos, N. Milhazes, F. Borges, M.C. Monteiro, M.J. Goncalves, F. Amado (2004) In vitro cardiotoxicity of ecstasy metabolites. EPHAR 2004 Congress, Porto, 14 a 17 de Julho.
119. M. Carvalho, E. Fernandes, F. Carvalho, M.L. Bastos, N. Milhazes, F. Borges, G. Hawksworth, T. Monks (2004) In vitro nephrotoxicity of 5-(glutathion-S-yl)-a-methyl dopamine is potentiated by inhibition of  $\gamma$ -glutamyl transpeptidase and aminopeptidase M. EPHAR 2004 Congress, Porto, 14 a 17 de Julho.
120. M. Carvalho, F. Remiao, E. Fernandes, F. Carvalho, M.L. Bastos, N. Milhazes, F. Borges, F. Amado (2004) Hepatotoxicity of 3,4-methylenedioxymethamphetamine (ecstasy) and its major metabolites in isolated rat hepatocytes. EPHAR 2004 Congress, Porto, 14 a 17 de Julho.
121. D.I.R. Goncalves, A.J.M. Moreno, M. Carvalho, F. Carvalho, M.L.X. Bastos, J.B.A. Custodio (2004) Ecstasy and p-methylthioamphetamine change the  $Ca^{2+}$  homeostasis due to the inhibition of mitochondrial permeability transition. EPHAR 2004 Congress, Porto, 14 a 17 de Julho.
122. T.Sousa, M.Morato, D.Pinho, E.Fernandes, F.Carvalho, A.Albino-Teixeira (2004). Decreased antioxidant enzyme activity in veins from hypertensive rats with activation of the renin angiotensin system. Fourteenth European Meeting of Hypertension, Paris, Franca, 13 a 17 de Junho.
123. T. Sousa, M. Morato, D. Pinho, E. Fernandes, F. Carvalho, A. Albino-Teixeira (2004) Increased oxidative stress in mesenteric artery from hypertensive rats with activation of the renin-angiotensin system. 23rd Conference of Microcirculation, Lisboa, 8 a 11 de Setembro.
124. M.F. Frasco, Didier Fournier, Jure Stojan, F. Carvalho, L. Guilhermino (2004) Evidences for cholinesterases inhibition by metals occurring as environmental contaminants. VIII International Meeting on Cholinesterases, Perugia, Italia, 26 a 30 de Setembro
125. Pires-Das-Neves R., Pereira M.L., Carvalho F., Bastos M.L., Iborra F.J. (2004) Arsenic induces general transcriptional repression in a bladder cancer cell line. XXXIX Reuniao da Sociedade Portuguesa de Microscopia Electronica e Biologia Celular, Aveiro, 4 a 6 de Novembro.
126. Marques MJ, Sousa C, Remiao F, Carvalho F, Bastos ML (2004) Hyperthermia-induced toxicity in freshly isolated mice hepatocytes. Involvement of oxidative stress and cellular signalling through the activation of heat shock factor 1 (HSF1). 2nd Spanish and Portuguese Congress on Free Radicals, Leioa-Bizkaia, Espanha, 25 a 27 de Novembro.

127. Manuela Frasco, Didier Fournier, Felix Carvalho, Lucia Guilhermino (2005) Prawn (*Palaemon serratus*) cholinesterase activity as a potential biomarker. 12th International Symposium on Toxicology Assessment, Skiatos, Grecia, 12 a 17 de Abril.
128. T. Sousa, D. Pinho, M. Morato, E. Fernandes, F. Carvalho, A. Albino-Teixeira (2005) Effects of the antioxidants tempol and apocynin on systolic blood pressure and on vascular antioxidant defenses in hypertensive rats with activation of the renin-angiotensin system. The XVIth Scientific Meeting of the Inter-American Society of Hypertension, Cancun, Mexico, 17 a 20 de Abril.
129. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2005) Oxidative stress alterations in the crustacean *Artemia parthenogenetica* acutely exposed to pharmaceutical drugs. SETAC Europe 15th Annual Meeting, Lille, Franca, 22 a 26 de Maio.
130. Bruno Nunes, Felix Carvalho, Lucia Guilhermino (2005) Oxidative stress in *Gambusia holbrooki* after acute exposure to clofibrate and clofibric acid. SETAC Europe 15th Annual Meeting, Lille, Franca, 22 a 26 de Maio.
131. Sousa, T., Pinho, D., Morato, M., Fernandes, E., Carvalho, F., Albino-Teixeira, A (2005) Effect of the NADPH oxidase inhibitor, apocynin, on systolic blood pressure and on vascular antioxidant defenses in hypertensive rats with activation of the renin-angiotensin system. Fifteenth European Meeting of Hypertension, Milan, Italy 17 a 21 de Junho
132. Joao Paulo Capela, Andreas Meisel, Ulrich Dirnagl, Artur Abreu, Paula Branco, Luisa Ferreira, Ana Lobo, Maria de Lourdes Bastos, Felix Carvalho (2005) Neurotoxicity of MDMA metabolites in rat cortical neurons. Influence of hyperthermia. International Society for Neurochemistry / European Society for Neurochemistry sponsored satellite Meeting: "Cellular and Molecular Mechanisms of Drugs of Abuse and Neurotoxicity: Cocaine, GHB, and Substituted Amphetamines", Isola di san Servolo, Venezia, Italia, 16 a 19 de Agosto.
133. Raquel Faria, Ana Magalhaes, Joana Gomes-da-Silva, Felix Carvalho, Teresa Summavielle (2005) MDMA exposure in adolescent male rats: altered neurotransmitters in the amigdala and behavioural effects in the elevated plus-maze test. International Society for Neurochemistry / European Society for Neurochemistry sponsored satellite Meeting: "Cellular and Molecular Mechanisms of Drugs of Abuse and Neurotoxicity: Cocaine, GHB, and Substituted Amphetamines", Isola di san Servolo, Venezia, Italia, 16 a 19 de Agosto.
134. Ema Alves, Teresa Summavielle, Raquel Faria, Joana Gomes-da-Silva, Jose Barata Custodio, Eduarda Fernandes, Felix Carvalho (2005) MDMA exposure in adolescent male rats induces long-term abnormal regulation and oxidative stress in isolated whole-brain mitochondria. International Society for Neurochemistry / European Society for Neurochemistry sponsored satellite Meeting: "Cellular and Molecular Mechanisms of Drugs of Abuse and Neurotoxicity: Cocaine, GHB, and Substituted Amphetamines", Isola di san Servolo, Venezia, Italia, 16 a 19 de Agosto.
135. Felix Carvalho, Jose Alberto Duarte, Carla Sousa, Fernando Remiao, Helena Carmo, Maria de Lourdes Bastos (2005) Atropine prevents amphetamine-induced hyperthermia in mice. 42nd Congress of The European Societies of Toxicology (EUROTOX), Cracow, Polonia, 11 a 14 de Setembro.
136. Ricardo Pires-Das-Neves, Maria de Lourdes Pereira, Felix Carvalho, Maria de Lourdes Bastos, F.J. Iborra (2005) Are reactive oxygen species (ROS) involved in transcriptional repression induced by sodium arsenate in bladder cancer (ECV 304) cell line? 42nd Congress of The European Societies of Toxicology (EUROTOX), Cracow, Polonia, 11 a 14 de Setembro.
137. Renata Silva, V. Costa, Silvia Boldt, Helena Carmo, Felix Carvalho, Marcia Carvalho, R. Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2005) Detection of GSH adducts of catechoamines in biological samples. 42nd Congress of The European Societies of Toxicology (EUROTOX), Cracow, Polonia, 11 a 14 de Setembro.
138. Ricardo Jorge Dinis Oliveira, Maria de Jesus Valle, Maria de Lourdes Bastos, Felix Carvalho, Amparo Sanchez Navarro (2005) Influence of sodium depletion on the kinetics of paraquat in the isolated rat lung. 42nd Congress of The European Societies of Toxicology (EUROTOX), Cracow, Polonia, 11 a 14 de Setembro.
139. Ricardo Jorge Dinis Oliveira, Antonio Megre Sarmiento, Paulo Reis, Augusta Amaro, Fernando Remiao, Maria de Lourdes Bastos, Felix Carvalho (2005) Acute paraquat poisoning: report of a survival case following intake of a potential lethal dose. 42nd Congress of The European Societies of Toxicology (EUROTOX), Cracow, Polonia, 11 a 14 de Setembro.
140. Fernando Remiao, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos (2005) E-learning and risk communication. Report of an experience at the Faculty of Pharmacy of the University of Porto. 42nd Congress of The European Societies of Toxicology (EUROTOX), Cracow, Polonia, 11 a 14 de Setembro.

141. Ema Alves, Teresa Summavielle, Raquel Faria, Joana Gomes-da-Silva, Jose Barata Custodio, Eduarda Fernandes, Felix Carvalho (2006) MDMA exposure in adolescent male rats induces long-term abnormal regulation and oxidative stress in isolated whole-brain mitochondria. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
142. Joao Paulo Capela, Andreas Meisel, Ulrich Dirnagl, Artur Abreu, Paula Branco, Luisa Ferreira, Ana Lobo, Maria de Lourdes Bastos, Felix Carvalho (2006) Neurotoxicity of MDMA metabolites in rat cortical neurons and influence of hyperthermia. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
143. Helena Carmo, Jan G. Hengstler, Douwe de Boer, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos (2006) The influence of CYP2D6 polymorphic metabolism on the cytotoxicity of ecstasy. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
144. Vera Marisa Costa, Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Rui Carvalho, Fernando Remiao (2006) Effect of catecholamine and oxygen free radicals on calcium tolerant rat cardiomyocytes. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
145. Ricardo Jorge Dinis Oliveira, Fernando Remiao, Jose A. Duarte, Rita Ferreira, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) Histological and biochemical effects of dexamethasone in paraquat-induced acute toxicity in rats. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
146. Ricardo Jorge Dinis Oliveira, Fernando Remiao, Jose A. Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) P-glycoprotein induction: an antidotal pathway for paraquat-induced lung toxicity. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
147. Carla Macedo, Paula S. Branco, Luisa M. Ferreira, Ana M. Lobo, Joao P. Capela, M. Lurdes Bastos, Felix Carvalho (2006) Synthesis and cyclic voltammetry studies of 3,4-methylenedioxymethamphetamine (MDMA) main human metabolites. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
148. Helena Pontes, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2006) Ethanol and ecstasy: friends or foes within hepatocytes? 4º Encontro do REQUIMTE, Fatima, 31 de Marco e 1 de Abril.
149. Renata Silva, Vera M. Costa, Silvia Boldt, Helena Carmo, Felix Carvalho, Marcia Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2006) Analysis of catecholamines GSH adducts in biological samples. 4º Encontro do REQUIMTE, Fatima, 31 de Marco a 1 de Abril.
150. Manuela Frasco, Didier Fournier, Jure Stojan, Felix Carvalho, Lucia Guilhermino (2006) In vitro inhibitory effect of metals on cholinesterase activity from various species. 16th Annual Meeting of SETAC Europe, The Hague, Holanda, 7 a 11 de Maio.
151. Vera Costa, Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Rui Carvalho, Fernando Remiao (2006) Effect of catecholamine and oxygen free radicals on calcium tolerant cardiomyocytes. 1º Encontro Nacional de Bromatologia, Hidrologia e Toxicologia, Sesimbra, 2 a 3 de Junho.
152. Joao Paulo Capela, Andreas Meisel, Artur Reis Abreu, Paula Serio Branco, Luisa Maria Ferreira, Ana Maria Lobo, Fernando Remiao, Maria de Lourdes Bastos, Felix Carvalho (2006) Neurotoxicity of ecstasy metabolites in rat cortical neurons, and influence of hyperthermia. 1º Encontro Nacional de Bromatologia, Hidrologia e Toxicologia, Sesimbra, 2 a 3 de Junho.
153. Teresa Sousa, Dora Pinho, Manuela Morato, J. Marques-Lopes, Eduarda Fernandes, Felix Carvalho, Antonio Albino-Teixeira (2006) Apocynin and catalase, but not tempol, prevent vascular hyperplasia and hypertension in a model of renin-angiotensin system activation. Sixteenth European Meeting on Hypertension, Madrid, Espanha, 12 a 15 de Junho.
154. Ema Alves, Teresa Summavielle, Joana Gomes-da-Silva, Jose Barata Custodio, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Carvalho (2006) Ecstasy-induced neurotoxic effects in adolescents rat brain mitochondria. Protective effect of L-deprenyl. 2nd Symposium "Neurobiology and Drug Abuse", Porto, 21 de Junho.
155. Joao Paulo Capela, Karsten Rusher, Marion Lautenschlager, Dorette Freyer, Ulrich Dirnagl, Ana Rita Gaio, Maria de Lourdes Bastos, Andreas Meisel, Felix Carvalho (2006) Ecstasy-induced cell death in cortical neuronal cultures is 5-HT<sub>2A</sub>-receptor dependent and potentiated under hyperthermia. 2nd Symposium "Neurobiology and Drug Abuse", Porto, 21 de Junho.
156. Joao Paulo Capela, Andreas Meisel, Artur Reis Abreu, Paula Serio Branco, Luisa Maria Ferreira, Ana Maria Lobo, Fernando Remiao, Maria de Lourdes Bastos, Felix Carvalho (2006) Neurotoxicity of ecstasy metabolites in rat cortical neurons and influence of hyperthermia. 2nd Symposium "Neurobiology and Drug Abuse", Porto, 21 de Junho.



157. Ana Rita Alvaro, Ana Lucia Tavares, Joao Martins, Antonio Francisco Ambrosio, Eduarda Fernandes, Felix Carvalho, Claudia Cavadas (2006) 3,4-Methylenedioxyamphetamine (ecstasy) is toxic to rat retina neuronal cells in culture. 2nd Symposium "Neurobiology and Drug Abuse", Porto, 21 de Junho.
158. Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Rita Ferreira, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) A new and vital antidotal pathway for paraquat poisonings more than 60 years later: Induction of lung P-glycoprotein. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
159. Joao Paulo Capela, Karsten Ruscher, Marion Lautenschlager, Dorette Freyer, Ulrich Dirnagl, Ana Rita Gaio, Maria Lurdes Bastos, Andreas Meisel, Felix Carvalho (2006) Ecstasy-induced cell death in cortical neuronal cultures is 5-HT<sub>2A</sub>-receptor-dependent and potentiated under hyperthermia. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
160. Joao Paulo Capela, Andreas Meisel, Artur Reis Abreu, Paula Serio Branco, Luisa Maria Ferreira, Ana Maria Lobo, Fernando Remiao, Maria Lurdes Bastos, Felix Carvalho (2006) Neurotoxicity of ecstasy metabolites in rat cortical neurons, and influence of hyperthermia. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
161. Vera Costa, Marcia Carvalho, Felix Carvalho, Maria Lourdes Bastos, Rui Carvalho and Fernando Remiao (2006) Effect of adrenaline and oxygen free radicals on calcium tolerant cardiomyocytes: Formation of glutathione adducts. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
162. Renata Silva, Vera M. Costa, Silvia Boldt, Helena Carmo, Felix Carvalho, Marcia Carvalho, Maria de Lourdes Bastos, Fernando Remiao (2006) Validation of a HPLC-ECD method for the detection of adrenaline-GSH adducts in biological samples. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
163. Maria Joao Santos-Marques, Carla Sousa, Rui Vitorino, Rita Ferreira, Fernando Remiao, Francisco Amado, Jose Alberto Duarte, Felix Carvalho, Maria de Lourdes Bastos (2006) Hyperthermia-induced toxicity in freshly isolated mouse hepatocytes: Involvement of oxidative stress and cellular signalling. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
164. Helena Pontes, Maria Joao Marques, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2006) Ethanol and ecstasy: Allied enemies of freshly isolated mouse hepatocytes. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro
165. Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2006) Dexamethasone treatment decreases the pathological effects and increases the survival rate of paraquat-intoxicated rats. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
166. Helena Carmo, M. Brulport, M. Hermes, F. Oesch, Renata Silva, Luisa Ferreira, Paula Branco, Dowe de Boer, Fernando Remiao, Felix Carvalho, M.R. Schon, N. Krebsfaenger, J. Doehmer, Maria de Lourdes Bastos, J.G. Hengstler (2006) Influence of CYP2D6 polymorphism on 3,4-methylenedioxyamphetamine ("ecstasy") cytotoxicity. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
167. Gorkem Mergen, Renata Silva, Luisa M. Ferreira, Paula S. Branco, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos, Tulin Soylemezoglu, Helena Carmo (2006) Validation of a HPLC-ECD method for the quantification of the highly reactive metabolite of ecstasy, N-methyl-a-methyl-dopamine, in human serum. EUROTOX 2006/6 CTDC Congress - 43rd Congress of the European Societies of Toxicology & 6th Congress of Toxicology in Developing Countries, Cavtat, Croacia, 20 a 24 de Setembro.
168. Helena Pontes, Maria Joao Marques, Eduarda Fernandes, Fernando Remiao, Felix Carvalho & Maria Lourdes Bastos (2006) Ecstasy-induced toxicity in freshly isolated hepatocytes from

- ethanol-treated mice. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.
169. Sofia Oliveira, Teresa Sousa, Joana Afonso, Manuela Morato, Felix Carvalho, Antonio Albino-Teixeira (2006) Increased generation of hydrogen peroxide in hypertensive rats with activation of the renin-angiotensin system. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.
170. Beatriz Porto, Ricardo Dinis-Oliveira, Carla Sousa, Felix Carvalho, Isabel Malheiro (2006) Diepoxybutane-induced chromosome breakage in lymphocyte cultures: the protective effect of foetal red blood cells. XXXVII Reuniao Anual da Sociedade Portuguesa de Farmacologia, XXIV Reuniao de Farmacologia Clinica, VI Reuniao de Toxicologia, Porto, 5 a 7 de Dezembro.
171. A.R. Alvaro, A.L. Tavares, J. Martins, A.F. Ambrosio, E. Fernandes, F. Carvalho and C. Cavadas. 3,4-methylenedioxy-methamphetamine (ecstasy) is toxic to rat retina neural cells in culture. 2nd Symposium of Neurobiology and Drug Abuse, Porto, 21 de junho, 2006.
172. J. Martins, A.R. Alvaro, A.L. Tavares, A.F. Ambrosio, E. Fernandes, F. Carvalho and C. Cavadas. Ecstasy-induced cell death in rat retina primary cell cultures is serotonin 2A-receptor-dependent and potentiated under hyperthermia. V Congresso de Investigacao em Medicina, Coimbra, 23-24 de novembro, 2006.
173. A.R. Alvaro, A.L. Tavares, J. Martins, A.F. Ambrosio, E. Fernandes, F. Carvalho and C. Cavadas. Toxicity of 3,4-methylenedioxymethamphetamine ("ecstasy") in rat retinal cells in culture. XVth National Congress of Biochemistry, Aveiro, 8-10 de dezembro, 2006.
174. Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Rita Ferreira, Amparo Sanchez-Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) A new and promising treatment of paraquat poisonings. Congresso Nacional dos Farmaceuticos, Lisboa, 8, a 10 de Marco.
175. Ricardo Jorge Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) Sodium salicylate: a fully effective antidote against paraquat poisonings in pre-clinical studies. Congresso Nacional dos Farmaceuticos, Lisboa, 8 a 10 de Marco.
176. Manuela Frasco, J. Stojan, D. Fournier, F. Carvalho, Lucia Guilhermino (2007) Effects of environmental contaminants on common prawn (*Palaemon serratus*) cholinesterase activity. SETAC Europe 17th Annual Meeting. Porto, 20 a 24 de Maio.
177. Marco Assuncao, Maria Joao Santos-Marques, Felix Carvalho, Jose Paulo Andrade (2007) Chronic green tea or catechin treatments ameliorate rat hippocampal formation oxidative status. Experimental Biology 2007. Washington DC, USA, 28 de Maio a 2 de Junho.
178. Sousa, T., Oliveira, S., Afonso, J., Morato, M., Pinho, D., Marques-Lopes, J., Carvalho, F., Albino-Teixeira, A (2007) Enhanced hydrogen peroxide production in two models of experimental hypertension with increased angiotensin II levels. Seventeenth European Meeting on Hypertension, Milan, Italia, 15 a 19 de Junho.
179. Sousa, T., Oliveira, S., Afonso, J., Morato, M., Pinho, D., Marques-Lopes, J., Carvalho, F., Albino-Teixeira, A (2007) Vascular H<sub>2</sub>O<sub>2</sub> generation in hypertensive rats with activation of the renin-angiotensin system - Effect of the NADPH oxidase inhibitor, diphenyleioidonium. XIth Workshop of the ESH Young Investigator Initiative Group, Seventeenth European Meeting of Hypertension, Italia, 15 a 19 de Junho.
180. Monica Estevao, Vanessa V. Nascimento, Paula S. Branco, Luisa M. Ferreira, Ana M. Lobo, Joao P. Capela, Felix Carvalho, Maria L. Bastos (2007) Synthesis and reactivity of 4-hydroxy-3-methoxyamphetamine a "Ecstasy" metabolite, 7º Encontro Nacional de Quimica Organica e 1º Simposio Luso-Frances de Quimica Organica, Lisboa, 16 a 18 de Julho.
181. Ana R Alvaro; Joao Martins; Ana C Costa; Eduarda Fernandes; Felix Carvalho; Antonio F Ambrosio; Claudia Cavadas (2007) Neuropeptide y protects retina neural cells from ecstasy-induced neurotoxicity. European Association for Vision and Eye Research 2007 Congress (EVER 2007), Portoroz, Eslovenia, 3 a 6 de Outubro.
182. Ricardo Dinis-Oliveira, Fernando Remiao, Jose Alberto Duarte, Amparo Sanchez Navarro, Maria de Lourdes Bastos, Felix Carvalho (2007) Paraquat-induced oxidative stress and inflammation in the rat lung is effectively treated with sodium salicylate, leading to full survival of intoxicated animals. SFRR-Europe 2007 Meeting, Vilamoura, 10 a 13 de Outubro.
183. Joao Paulo Capela, Carla Macedo, Paula Serio Branco, Luisa Maria Ferreira, Ana Maria Lobo, Eduarda Fernanades, Fernando Remiao, Maria Lourdes Bastos, Ulrich Dirnagl, Andreas Meisel, Felix Carvalho (2007) Neurotoxicity mechanisms of ecstasy metabolites. 44th Congress of the European Societies of Toxicology, Amsterdao, Holanda, 7 a 10 de Outubro.

184. Helena Carmo, Marc Brulport, Matthias Hermes, Franz Oesch, Douwe de Boer, Fernando Remiao, Felix Carvalho, Michael R. Schon, Niels Krebsfaenger, Johannes Doehmer, Maria de Lourdes Bastos, Jan G. Hengstler (2007) Influence of CYP2D6 polymorphism on the cytotoxicity of the designer drug 4-methylthioamphetamine (4-MTA). 44th Congress of the European Societies of Toxicology, Amsterdao, Holanda, 7 a 10 de Outubro.
185. Vera Costa, Renata Silva, Luisa Ferreira, Paula Branco, Felix Carvalho, Maria Lourdes Bastos, Rui Carvalho, Marcia Carvalho, Fernando Remiao (2007) Oxidation process of adrenaline in freshly isolated rat cardiomyocytes: Formation of adrenochrome, quinoproteins and Gsh-adduct. 44th Congress of the European Societies of Toxicology, Amsterdao, Holanda, 7 a 10 de Outubro.
186. Ricardo Jorge Dinis-Oliveira, Carla Sousa, Fernando Remiao, Jose Duarte, Rita Ferreira, Amparo Sanchez-Navarro, Maria Lourdes Bastos, Felix Carvalho (2007) Signalling pathways involved in paraquat-induced apoptosis in the rat lung: Evidence of complete remission by sodium salicylate. 44th Congress of the European Societies of Toxicology, Amsterdao, Holanda, 7 a 10 de Outubro.
187. Ricardo Jorge Dinis-Oliveira, Carla Sousa, Fernando Remiao, Jose Duarte, Amparo Sanchez-Navarro, Maria Lourdes Bastos, Felix Carvalho (2007) Long-term survival of paraquat intoxicated rats following treatment with sodium salicylate: A multitarget protection analysis. 44th Congress of the European Societies of Toxicology, Amsterdao, Holanda, 7 a 10 de Outubro.
188. Helena Pontes, Eduarda Fernandes, Jose Alberto Duarte, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos (2007) Ethanol and ecstasy: A dangerous cocktail for the liver? 44th Congress of the European Societies of Toxicology, Amsterdao, Holanda, 7 a 10 de Outubro.
189. R. J. Dinis-Oliveira, F. Remiao, J. A. Duarte, R. Ferreira, A. Sanchez-Navarro, M. L. Bastos, F. Carvalho (2007) New Therapeutic approach for paraquat poisonings by the induction of P-glycoprotein (MDR1) activity and expression. 6º Congresso Nacional de Medicina Legal, Guimaraes, 9 a 10 de Novembro.
190. R. J. Dinis-Oliveira, F. Remiao, J. A. Duarte, R. Ferreira, A. Sanchez-Navarro, M. L. Bastos, F. Carvalho (2007) Pre-clinical studies on the use of sodium salicylate in the treatment of paraquat poisonings. 6º Congresso Nacional de Medicina Legal, Guimaraes, 9 a 10 de Novembro.
191. Daniel Gomes, Helena Carmo, Felix Carvalho, Fernando Remiao, Maria de Lourdes Bastos, Paula Branco, Luisa Ferreira, Paula Guedes de Pinho (2007) Gas-Chromatography-Mass Spectrometry method for simultaneous measurement of MDMA (ecstasy) and its metabolites HMA, MDA and HMMA in plasma and urine. 4th Annual Meeting of the Portuguese Proteonomics Network (Procura); 1st Meeting of the Portuguese National Mass Spectrometry Network (RNEM), Aveiro, 10 a 11 de Novembro.
192. Vera Costa, Renata Silva, Francisco Amado, Felix Carvalho, Maria de Lourdes Bastos, Rui Carvalho, Marcia Carvalho, Fernando Remiao (2007) Time dependent activation of transcription factors after a challenge with adrenaline and reactive species in freshly isolated cardiomyocytes. 4th Annual Meeting of the Portuguese Proteonomics Network (Procura); 1st Meeting of the Portuguese National Mass Spectrometry Network (RNEM), Aveiro, 10 a 11 de Novembro.
193. Renata Silva, Vera Costa, R. Vitorino, Francisco Amado, Felix Carvalho, Maria de Lourdes Bastos, Rui Carvalho, Marcia Carvalho, Fernando Remiao, F. (2007) Effect of adrenaline oxidation process in the protein content of freshly isolated cardiomyocytes. 4th Annual Meeting of the Portuguese Proteonomics Network (Procura); 1st Meeting of the Portuguese National Mass Spectrometry Network (RNEM), Aveiro, 10 a 11 de Novembro.
194. Miguel Aroso, Rui Vitorino, Armando Caseiro, Helena Carmo, Felix Carvalho, Jose A. Duarte, Francisco M.L. Amado (2007) Proteomic of lachrymal gland: study of sympathomimetic stimulation after sub-lethal ecstasy administration. 4th Annual Meeting of the Portuguese Proteonomics Network (Procura); 1st Meeting of the Portuguese National Mass Spectrometry Network (RNEM), Aveiro, 10 a 11 de Novembro.
195. Ema Alves, Teresa Summavielle, Cecilia Alves, Eduarda Fernandes, Maria de Lourdes Bastos, Maria Amelia Tavares, Felix Carvalho (2007) Persistent mitochondrial oxidative stress in the adolescent rat brain after ECSTASY administration, 2007 Link-Age Meeting and IBMC Fall Symposium, Fundacao Serralves, Porto, 28 de Novembro a 1 de Dezembro.
196. M.F. Frasco, F. Carvalho, L. Guilhermino, J. Stojan, D. Fournier (2008) Cholinesterase enzymes: Appraisal of inhibitory mechanisms for their use as an environmental biomarker of toxicity. Fourteenth International Symposium on Pollutant Responses in Marine Organisms (PRIMO 14), Florianopolis, Brasil, 6 a 9 de Maio.
197. Miguel Lopes, Andreas Meisel, Ulrich Dirnagl, Felix Carvalho, Maria de Lourdes Bastos (2008) Doxorubicin is neurotoxic to serum-free cultures of cortical neurons, through formation of reactive

- species. 1º Encontro Nacional de Quimica Terapeutica, Porto, 13 a 15 de Novembro.
198. Renata Silva, Anabela Cordeiro-da-Silva, Felix Carvalho, Maria de Lourdes Bastos, Helena Carmo, Fernando Remiao (2008) Exploring therapeutical pathways with an in vitro model of P-gp induction. 1º Encontro Nacional de Quimica Terapeutica, Porto, 13 a 15 de Novembro.
199. R. J. Dinis-Oliveira, de Pinho, P. G., da Silva Ferreira, A. C., Silva, A. M. S., Afonso, C., Bastos, M. L., Remiao, F., Duarte, J. A., and Carvalho, F. (2008). Reactivity of paraquat with sodium salicylate: formation of stable complexes. 46th meeting of The International Association of Forensic Toxicologists, XVIème congrès de la Société Française de Toxicologie Analytique and Annual meeting of the Society of Hair Testing, Martinica, 2 a 8 de Junho.
200. Sousa, T., Oliveira, S., Afonso, J., Carvalho, F., Albino-Teixeira, A. (2008) Enhanced hydrogen peroxide production in the renal medulla of angiotensin II (Ang II)-hypertensive rats. 18th Scientific Meeting of the European Society of Hypertension/22nd Scientific Meeting of the International Society of Hypertension, 2008, Berlin, Alemanha, 14 a 19 de Junho.
201. Sonia Silva, Felix Carvalho, Eduarda Fernandes, Manuel Antunes, Dulce Cotrim (2008) MDMA has a partial agonistic effect on the human internal mammary artery through 5-HT<sub>2</sub> receptors. International Symposium on Drug Abuse. Sao Miguel, Acores, 28 e 29 de Julho.
202. Vera M. Costa, Luisa M. Ferreira, Paula S. Branco, Felix Carvalho, Maria L. Bastos, Rui A. Carvalho, Marcia Carvalho, Fernando Remiao (2008) Characterization of adrenaline and adrenaline-GSH adduct transport in freshly isolated rat cardiomyocytes. 45th Congress of the European Societies of Toxicology (EUROTOX), Rhodes, Grecia, 5 a 8 de Outubro.
203. Miguel Lopes, Andreas Meisel, Felix Carvalho, Maria de Lourdes Bastos (2008) Doxorubicin induces apoptosis and necrosis in rat cortical neurons through a concentration-biphasic manner. 45th Congress of the European Societies of Toxicology (EUROTOX), Rhodes, Grecia, 5 a 8 de Outubro.
204. Renata Silva, Anabela Cordeiro-da-Silva, Sofia A.C. Lima, Felix Carvalho, Maria Lourdes Bastos, Helena Carmo, Fernando Remiao (2008) Effect of P-Glycoprotein inducers on its expression and activity in Caco-2 cells. 45th Congress of the European Societies of Toxicology (EUROTOX), Rhodes, Grecia, 5 a 8 de Outubro.
205. Sonia Silva, Felix Carvalho, Eduarda Fernandes, Manuel Antunes, Dulce Cotrim (2008) Effects of ecstasy on the human mammary artery in the presence of fluoxetine and on the 5-HT concentration-response curve in human mammary artery and rat aorta. 45th Congress of the European Societies of Toxicology (EUROTOX), Rhodes, Grecia, 5 a 8 de Outubro.
206. Helena Pontes, Renata Silva, Eduarda Fernandes, Helena Carmo, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos (2008) Ethanol increases MDMA toxicity to primary rat hepatocyte cultures. 45th Congress of the European Societies of Toxicology (EUROTOX), Rhodes, Grecia, 5 a 8 de Outubro.
207. Ricardo Dinis-Oliveira, Paula Guedes de Pinho, Antonio Cesar Silva Ferreira, Artur Silva, Carlos Afonso, Maria de Lourdes Bastos, Fernando Remiao, Jose Alberto Duarte, Felix Carvalho (2008) Chemical reactivity of paraquat with the previously validated antidote, sodium salicylate. 45th Congress of the European Societies of Toxicology (EUROTOX), Rhodes, Grecia, 5 a 8 de Outubro.
208. R. J. Dinis-Oliveira, P. G. de Pinho, L. Santos, A. Santos, T. Magalhaes, C. Afonso, M. L. Bastos, F. Remiao, J. A. Duarte, F. Carvalho (2009). Human postmortem histopathological and toxicokinetic analysis following paraquat intoxications, indicate that traditional therapeutic measures, to eliminate paraquat and to prevent inflammation, need to be refined. XXI Congress of the International Academy of Legal Medicine, Lisbon / Portugal, 28 a 30 de Maio.
209. R. J. Dinis-Oliveira, P. G. de Pinho, L. Santos, H. Teixeira, T. Magalhaes, A. Santos, M. L. Bastos, F. Remiao, J. A. Duarte, F. Carvalho (2009) Postmortem histological and toxicokinetic analysis evidence the failure of decontamination measures, anti-inflammatory and immunosuppressive therapy in paraquat human intoxication. 47th Annual Meeting of the International Association of Forensic Toxicologists. Geneva, Suissa, 23 a 27 de Agosto.
210. Vera Marisa Costa, Renata Silva, Ludgero Canario Tavares, Rui Vitorino, Francisco Amado, Felix Carvalho, Maria de Lourdes Bastos, Marcia Carvalho, Rui Albuquerque Carvalho, Fernando Remiao (2009) Adrenaline and reactive oxygen species elicit proteome and energetic metabolism modifications in freshly isolated rat cardiomyocytes. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
211. Filipa Ponte, Felix Carvalho, Beatriz Porto (2009) Acute toxicity of diepoxybutane to human mononuclear lymphocytes. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
212. Luciana Grazziotin Rossato, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos, Vera Marisa Costa, Fernando Remiao (2009) meta-Synephrine induces oxidative stress in freshly isolated

- cardiomyocytes. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
213. Miguel Angelo Lopes, Andreas Meisel, Felix Carvalho, Maria de Lourdes Bastos (2009) Involvement of reactive oxygen and nitrogen species on doxorubicin-induced toxicity to rat cortical neurons. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
214. Helena Carmo, Daniel Gomes, Felix Carvalho, Fernando Remiao, Paula Branco, Luisa Ferreira, Paula Guedes de Pinho, Maria de Lourdes Bastos (2009) Hyponatremic effect caused by 3,4-methylenedioxymethamphetamine (ecstasy) in rats: The role of metabolic bioactivation. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
215. Renata Silva, Anabela Cordeiro-da-Silva, Felix Carvalho, Maria de Lourdes Bastos, Helena Carmo, Fernando Remiao (2009) P-glycoprotein induction as a cellular protection tool against xenobiotics toxicity. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
216. Diana Dias da Silva, Renata Silva, Fernando Remiao, Felix Carvalho, Maria de Lourdes Bastos, Elisabete Silva, Helena Carmo (2009) Assessing combination effects of amphetamine designer drugs. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
217. Ricardo Dinis-Oliveira, Helena Pontes, Fernando Remiao, Maria de Lourdes Bastos, Jose Alberto Duarte, Felix Carvalho (2009) Lysine acetylsalicylate elicits full survival of Wistar rats exposed to a lethal dose of paraquat. 46th Congress of the European Societies of Toxicology (EUROTOX), Dresden, Alemanha, 13 a 16 de Setembro.
218. Jorge P Pinto, Vera Dias, Heinz Zoller, Pedro N Rodrigues, Helena Carmo, Pedro Ramos, Felix Carvalho, Graca Porto, Maria de Sousa (2009) Hepcidin: A Clue for a New Role for Lymphocytes. 51st American Society of Hematology (ASH) Annual Meeting, New Orleans, USA, 5 a 8 de Dezembro.
219. J.F. Martins, C. Cavadas, E. Fernandes, F. Carvalho, M. Castelo Branco and A.F. Ambrosio. Alterations in rat electroretinogram induced by 3,4-methylenedioxymethamphetamine (MDMA) administration. ARVO Annual Meeting 2009, Fort Lauderdale, E.U.A., 3-7 de maio, 2009.
220. J.F. Martins, C. Cavadas, E. Fernandes, F. Carvalho, M. Castelo Branco and A.F. Ambrosio. 3,4-methylenedioxymethamphetamine (MDMA) administration induces alterations in rat electroretinogram. 11th Meeting of the Portuguese Society for Neurosciences, Braga, 4-6 de junho, 2009.
222. Sousa, T., Oliveira, S., Afonso, J., Morato, M., Patinha, D., Carvalho, F., Albino-Teixeira, A. (2010) Efeito anti-hipertensor transitorio do antioxidante polietilenoglicol (PEG)-catalase na hipertensao arterial dependente da angiotensina II (Ang II). 4º Congresso Portugues de Hipertensao, 2010, Vilamoura, 4 a 7 de Fevereiro.
223. Sousa T., Oliveira, S., Afonso, J., Morato, M., Patinha, D., Carvalho, F., Albino-Teixeira, A. (2010) H<sub>2</sub>O<sub>2</sub> as a novel regulator of the renin-angiotensin system - implications in the pathogenesis of angiotensin II-induced hypertension. I3S Scientific Retreat 2010, Povoia de Varzim, 6 a 7 de Maio.
224. Oliveira S., Sousa, T., Afonso, J., Carvalho, F., Albino-Teixeira, A. (2010) Role of H<sub>2</sub>O<sub>2</sub> in arterial hypertension induced by the cardiovascular toxin, allylamine. I3S Scientific Retreat 2010, Povoia de Varzim, 6 a 7 de Maio.
225. Sousa, T., Oliveira, S., Afonso, J., Morato, M., Patinha, D., Fraga, S., Carvalho, F., Albino-Teixeira, A (2010) Regulation of the renin-angiotensin system by hydrogen peroxide - implications in the pathogenesis of angiotensin II-induced hypertension. Gordon Research Conferences - Nox Family NADPH oxidases, 2010, Les Diablerets, Suica, 6 a 11 de Junho.
226. C. Mautempo, M.D.L. Bastos, F. Carvalho, F. Remiao, H. Carmo, P. Guedes-De-Pinho (2010) Determination of formic acid in urine of workers occupationally exposed to formaldehyde. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
227. F. Ponte, F. Carvalho, B. Porto (2010) Acute toxicity of diepoxybutane to mononuclear leukocytes. Multifactorial mechanisms? XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
228. R. Silva, H. Carmo, P. Guedes De Pinho, R. Dinis-Oliveira, F. Carvalho, Maria de Lourdes Bastos, F. Remiao (2010) The paraquat-induced toxicity is reversed with the co-exposure to doxorubicin in Caco-2 cells. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
229. L.G. Rossato, V.M. Costa, P.G. Pinho, F. Carvalho, H. Carmo, M.L. Bastos, F. Remiao (2010) Role of organic cation mediated transport and oxidative stress in the synephrine induced-toxicity in



- freshly isolated cardiomyocytes. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
230. M.J. Valente, P. Guedes De Pinho, R. Henrique, F. Carvalho, M.L. Bastos, M. Carvalho (2010) Isolation and primary culture of human proximal renal tubular epithelial cells: Application to the study of cocaine-induced nephrotoxicity. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
231. P.S. Ferreira, P.S. Branco, L.M. Ferreira, E. Fernandes, M.L. Bastos, A. Meisel, F. Carvalho, J.P. Capela (2010) Neurotoxicity of "ecstasy" and its metabolites in human dopaminergic differentiated SH-SY5Y cells. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
232. M. Lopes, A. Meisel, F. Carvalho, M.L. Bastos (2010) Doxorubicin activates apoptosis in primary neuronal cultures of rat cerebral cortex through p53-mediated pathways. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
233. D.J. Barbosa, L. Ferreira, P. Serio Branco, E. Fernandes, H. Carmo, F. Remiao, M.L. Bastos, J. Oliveira, J.P. Capela, F. Carvalho (2010) Evaluation of the oxidative damage induced by MDMA and its metabolites in rat brain synaptosomes. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
234. R.J. Dinis-Oliveira, F. Carvalho, T. Magalhaes, A. Santos (2010) A cocaine body packer case report: Clinical and forensic aspects. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
235. L. Graziotin Rossato, V. Marisa Costa, P. Guedes De Pinho, R. Silva, F. Carvalho, H. Carmo, M.D.L. Bastos, F. Remiao (2010) Development of a GC/IP-MS method for simultaneous quantification of para and meta-synephrine in Caco-2 cells. XII International Congress of Toxicology (IUTOX), Barcelona, Espanha, 19 a 23 de Julho.
236. Ricardo Dinis-Oliveira, Felix Carvalho, Jose Alberto Duarte, Ricardo Dias, Teresa Magalhaes, Agostinho Santos (2010) Suicide by hanging under the influence of ketamine and ethanol. 48th Annual Meeting of the International Association of Forensic Toxicologists (TIAFT), Bonn, Alemanha, 29 de Agosto a 2 de Setembro.
237. Catia Melo, Felix Carvalho, Luisa Pinto Ferreira, Manuel Antunes, Maria Dulce Cotrim (2010) Effects of MDMA metabolites on the human internal mammary artery through 5-HT receptors. XIII Simposio Internacional sobre Tratamento do Tabagismo, IX Simposio Internacional sobre Alcool e outras Drogas, I Simposio Latino Americano da International Drug Abuse Research Society, Rio de Janeiro, Brasil, 2 a 4 de Setembro de 2010.
238. D. Vieira; A. S. Gomes, E. Sousa, C. Afonso, M. Pinto, F. Carvalho and A. Santos-Silva (2010) Potential mutagenicity of TXA1, a small molecule potent inhibitor of human tumor cell growth. Young European Scientist Meeting (YES Meeting), Porto, 24 a 26 de Setembro.
239. Ponte F, Sousa R, Carvalho F, Porto B (2010) -Lipoic acid is a potent inhibitor of the diepoxybutane (DEB)-induced chromosome breakage in cultured lymphocytes from Fanconi Anemia patients. XXXIII World Congress of the International Society of Hematology, Jerusalem.
240. R. Silva, V. Vilas-Boas, H. Carmo, R.J. Dinis-Oliveira, F. Carvalho, M.L. Bastos, F. Remiao (2011) P-glycoprotein induction by hypericin protects Caco-2 cells against paraquat toxicity. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.
241. D.J. Barbosa, J.P. Capela, J.M.A. Oliveira, L. Ferreira, P. Branco, E. Fernandes, M.L. Bastos, F. Carvalho (2011) Pro-oxidant effects of "ecstasy" and its metabolites in mouse brain synaptosomes. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.
242. S. da Costa Araujo, V.M. Costa, F.C. Pereira, E. Fernandes, M.L. Bastos, F. Carvalho, J.P. Capela (2011) 'Ecstasy' and amphetamine induce developmental neurotoxicity to immature cultured rat cortical neurons. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.
243. S. da Costa Araujo, V.M. Costa, K. Ruscher, M.D.L. Bastos, U. Dirnagl, A. Meisel, F. Carvalho, J.P. Capela (2011) Hallucinogenic amphetamines neurotoxicity in cultured hippocampal neurons. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.
244. F. Ponte, R. Sousa, F. Carvalho, B. Porto (2011) -Lipoic acid decreases chromosome instability in lymphocytes from Fanconi Anemia patients. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.
245. P. Moreira, P.G. Pinho, M.T. Baltazar, M.L. Bastos, F. Carvalho, R.J. Dinis-Oliveira (2011) Quantification of paraquat in postmortem samples by gas chromatography-ion trap mass

spectrometry. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.

246. R.J. Dinis-Oliveira, J.A. Duarte, F. Remiao, A. Marques, A. Santos, T. Magalhaes, F. Carvalho (2011) Collection of biological samples in forensic toxicology. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.

247. V.M. Costa, J.P. Capela, M.L. Bastos, F. Remiao, J.A. Duarte, F. Carvalho (2011) N-acetyl-cysteine prevents the cytotoxicity of adrenaline oxidation in SH-SY5Y cells. The 47th Congress of the European Societies of Toxicology (EUROTOX), Paris, Franca, 28 a 31 de Agosto.

248. Oliveira, S., Sousa, T., Afonso, J., Simao, S., Carvalho, F., Albino-Teixeira, A. Role of metabolism of cardiotoxin allylamine in hypertension and redox dysfunction. I3S Scientific Retreat 2011 Povia de Varzim, Portugal.

249. Sousa, T., Oliveira, S., Afonso, J., Morato, M., Patinha, D., Fraga, S., Carvalho, F., Albino-Teixeira, A. Counterregulatory mechanisms involved in the blunted antihypertensive response to polyethylene glycol catalase in angiotensin II infused rats. I3S Scientific Retreat 2011 Povia de Varzim, Portugal.

250. Marta Couto, Teresa Sousa, Manuela Morato, Jorge Carvalho, Marco Marques, Luis Morgado, Joana Afonso, Maria Joao Valente, Felix Carvalho, Paulo Bettencourt, Antonio Albino Teixeira (2012) Evaluation of oxidative stress markers in chronic heart failure. IJUP'2012 - 5º Encontro de investigacao jovem da U. Porto, Porto, 22 a 24 de Fevereiro.

251. Luis Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Paula Baptista, Paula Guedes de Pinho (2012) Volatile and semi-volatile profiling of wild mushrooms by GC-MS and their importance in species identification. IJUP'2012 - 5º Encontro de investigacao jovem da U. Porto, Porto, 22 a 24 de Fevereiro.

252. Ricardo Dinis-Oliveira, Felix Carvalho, Agostinho Santos, Teresa Magalhaes (2012) Postmortem changes in carbon monoxide poisoning. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

253. Ricardo Dinis-Oliveira, Felix Carvalho, Ines Caldas, Teresa Magalhaes (2012) Bruxism after 3,4-methylenedioxymethamphetamine (ecstasy) abuse. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

254. Felix Carvalho, Maria Joao Valente, Rui Henrique, Vania Vilas Boas, Renata Silva, Maria Lourdes Bastos, Paula Guedes de Pinho, Marcia Carvalho (2012) Role of metabolism in cocaine-induced proximal tubular cell damage. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

255. Ricardo Dinis-Oliveira, Carla Gouveia, Ana Oliveira, Felix Carvalho, Roxana Falcao Moreira (2012) Hair samples cocaine and morphine quantification by chromatography mass spectrometry. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

256. Ricardo Dinis-Oliveira, Sandra Pinho, Ana Oliveira, Felix Carvalho, Roxana Falcao Moreira (2012) Tramadol and O-desmethyltramadol quantification in hair samples by GC-MS. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

257. Paula Guedes de Pinho, Maria Joao Valente, Felix Carvalho, Maria de Lourdes Bastos, Marcia Carvalho (2012) A GC/MS method for measuring cocaine metabolism in human renal cells. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

258. Ana Oliveira, Ricardo Jorge Dinis-Oliveira, Paula Guedes Pinho, Fernando Remiao, Felix Carvalho, Rui Medeiros (2012) Quantification of morphine and metabolites in antemortem and postmortem human samples. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

259. Daniel Jose Barbosa, Joao Paulo Capela, Luisa Maria Ferreira, Paula Branco, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Carvalho (2012) Mixture of "Ecstasy" and its metabolites are toxic to SH-SY5Y differentiated cells. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

260. Carvalho Felix, Fraga Sonia, Trickler William, Zhang Yongbin, Xu Yang, Bastos Maria de Lourdes, Biris Alexandru, Ali Syed (2012) Effects of iron oxide nanoparticles on bovine microvascular endothelial cells. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

261. Maria Teresa Baltazar, Ricardo Jorge Dinis-Oliveira, Lucia Guilhermino, Jose Alberto Duarte, Maria de Lourdes Bastos, Felix Carvalho (2012) New formulation of paraquat with low mammal toxicity and effective herbicidal activity. 48th Congress of European Societies of Toxicology, Estocolmo, Suecia, 17 a 20 de Junho.

262. Sousa R, Ponte F, Campilho F and Porto B (2012) Progressive positive selection of normal

- cells in peripheral blood lymphocytes from FA patients after BMT present with chimerism. 16th Annual Reunion of the Portuguese Society of Human Genetic, Porto.
263. Sousa R, Ponte F, Teixeira S, Carvalho F and Porto B (2012) Fosfomycin is genotoxic to lymphocyte cultures from Fanconi Anemia patients. 24rd Annual Fanconi Anemia Research Fund Scientific Symposium, Denver, Colorado.
264. Pimentel, I.; Guerra, F.; Fonseca, D.; Carvalho, F.; Fernandes, E.; Ferreira, L.P.; Antunes, M.; Cotrim, M.D. (2012) MDMA and its metabolites inhibit 5-HT concentration-response curves in the human internal mammary artery. II Luso-Brazilian congress of experimental pathology. XII International Symposium on Experimental Techniques. Faculty of Medicine, University of Coimbra.
265. Guerra, F.; Pimentel, I.; Fonseca, D.; Carvalho, F.; Fernandes, E.; Ferreira, L.P.; Antunes, M.; Cotrim, M.D. (2012) Contractile effects of MDMA and its metabolites in the human internal mammary artery under normothermic and hyperthermic conditions. II Luso-Brazilian congress of experimental pathology. XII International Symposium on Experimental Techniques. Faculty of Medicine, University of Coimbra.
266. Ana Ribeiro, Ana Oliveira, Ricardo Jorge Dinis-Oliveira, Augusto Nogueira, Andreia Azevedo, Ferraz Goncalves, Paula Silva, Felix Carvalho, Rui Medeiros (2013) COMT genetic polymorphisms may influence opioid dose requirements in the treatment of cancer-related pain. VI Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Fevereiro.
267. Luis Vale, Maria Joao Valente, Jorge Carvalho, Liliana Almeida, Joana Afonso, Manuela Morato, Maria Joao Martins, Felix Carvalho, Teresa Sousa, Antonio Albino Teixeira (2013) Low-dose acetylsalicylic acid improves the antihypertensive efficacy of losartan in spontaneously hypertensive rats. VI Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Fevereiro.
268. Irene Dias, Diana Couto, Marisa Freitas, Graca Porto, M. Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Felix Carvalho, Eduarda Fernandes (2013) Polyacrylic acid and naked iron oxide nanoparticles modulate neutrophils' oxidative burst and apoptosis. VI Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Fevereiro.
269. Isabel Costa, Ana Oliveira, Paula Guedes de Pinho, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2013) Pharmacogenomic studies and quantification of tramadol and M1 in human post mortem samples. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.
270. Diana Dias da Silva, Elisabete Silva, Felix Carvalho, Helena Carmo (2013) Low concentration mixtures of MDMA and its major human metabolites induce significant toxicity to liver cells, both at physiological and hyperthermic conditions. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.
271. Daniel Jose Barbosa, Roman Serrat, Serena Mirra, Marti Quevedo, Elena Gomez de Barreda, Jesus Avila, Eduarda Fernandes, Maria de Lourdes Bastos, Joao Paulo Capela, Felix Carvalho, Eduardo Soriano (2013) "Ecstasy" impairs mitochondrial trafficking in hippocampal neurons by a Tau phosphorylation-dependent mechanism involving GSK3. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.
272. Fernando Remiao, Renata Silva, Vania Vilas-Boas, Daniel Jose Barbosa, Andreia Palmeira, Emilia Sousa, Felix Carvalho, Maria de Lourdes Bastos, Helena (2013) P-glycoprotein expression and activity are differently modulated by Colchicine in Caco-2 cells: In vitro and in silico studies. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.
273. Ana Oliveira, Fernanda Sampaio-Silva, Felix Carvalho, Ricardo Silvestre, Ricardo Jorge Dinis-Oliveira (2013) Development of a simple and rapid spectrophotometric method for the quantification of carboxyhemoglobin. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.
274. Ana Margarida Araujo, Maria de Lourdes Bastos, Marcia Carvalho, Felix Carvalho, Helena Gaspar, Ana Cardoso Matias, Paula Guedes de Pinho (2013) Identification of psychoactive substances in "legal highs" marketed in Portugal. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.
275. Silvana da Costa Araujo, Vera Marisa Costa, Frederico C. Pereira, Eduarda Fernandes, Maria de Lourdes Bastos, Felix Dias Carvalho, Joao Paulo Capela (2013) 'Ecstasy' and amphetamine neurotoxicity to cultured rat cortical neurons in a continuous exposure model. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.
276. Vera Marisa Costa, Joao Paulo Capela, Maria de Lourdes Bastos, Jose Alberto Duarte, Fernando Remiao, Felix Carvalho (2013) Pharmacological concentrations of mitoxantrone are able to transiently activate caspases and dually modify glutathione pathways in HL-1 cells. 49th Congress of the European Societies of Toxicology, Interlaken, Switzerland, 1-4 September.

277. Reina-Couto M, Carvalho J, Valente MJ, Vale L, Afonso J, Morato M, Carvalho F, Bettencourt P, Sousa T, Albino-Teixeira A (2013). Lipoxins: a new biomarker in chronic heart failure? Heart Failure 2013, Lisbon, Portugal.
278. Sousa T, Valente MJ, Carvalho J, Vale L, Almeida L, Afonso J, Morato M, Martins MJ, Carvalho F, Albino-Teixeira A (2013). Interaction of low-dose acetylsalicylic acid with losartan: effect on systolic blood pressure, renal function, oxidative stress and lipoxins synthesis in spontaneous hypertension. 23rd European Meeting on Hypertension and Cardiovascular Prevention, 2013, Milan, Italy.
279. Reina-Couto M, Carvalho J, Valente MJ, Vale L, Afonso J, Morato M, Carvalho F, Bettencourt P, Sousa T, Albino-Teixeira A (2013). Lipoxins in chronic heart failure: modulation by low-dose acetylsalicylic acid and statin therapy. 23rd European Meeting on Hypertension and Cardiovascular Prevention, 2013, Milan, Italy.
280. Diana Couto, Irene Dias, Marisa Freitas, Graca Porto, M. Arturo Lopez-Quintela, Jose Rivas, Paulo Freitas, Felix Carvalho, Eduarda Fernandes (2013) Polyacrylic acid coated and naked iron oxide nanoparticles: their effects on neutrophils' oxidative burst and inflammatory process. SFRR - Europe 2013 Conference: The new era of -omics in Free Radicals in Biology and Medicine. 23rd to 25th September, Athens, Greece.
281. Oliveira A, Dinis-Oliveira RJ, Nogueira A, Azevedo A, Goncalves F, Silva P, Carvalho F, Medeiros R. Genetic profile and cancer-related pain: a tale from two outlier cases. European Society of Pharmacogenomics and Theranostics Congress 2013: "Pharmacogenomics: From Cell to Clinic". 26th-28th September 2013, Lisbon, Portugal.
282. Armanda Texeira-Gomes, Vera Costa, Rita Feio-Azevedo, Frederico Pereira, Margarida Duarte-Araujo, Eduarda Fernandes, Maria Lourdes Bastos, Felix Carvalho, Joao Capela (2014) Differential toxicity in the cerebellum of adolescent and aged rats following a MDMA neurotoxic regimen. VII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 12 a 14 de Fevereiro.
283. A. Reis-Mendes, E. Sousa, F. Remiao, F. Carvalho, M.L. Bastos, V.M. Costa (2014) Mitoxantrone causes time- and concentration-dependent toxicity in H9c2 differentiated cells at pharmacological relevant concentrations. VII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 12 a 14 de Fevereiro.
284. Maria Joao Valente, Ana Margarida Araujo, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho, Marcia Carvalho (2014) An insight into the mechanisms underlying the hepatotoxicity of cathinone derivatives. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
285. Ana Margarida Araujo, Maria Joao Valente, Diana Dias da Silva, Marcia Carvalho, Felix Carvalho, Maria de Lourdes Bastos, Paula Guedes de Pinho (2014) 'Smart' but not safe: The potential hepatotoxicity of synthetic cathinones. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
286. Filipa Ponte, Sonia Fraga, Tania Moniz, Diana Dias da Silva, Felix Carvalho, Helena Carmo, Fernando Remiao, Maria Rangel, Maria Lourdes Bastos (2014) Development of insulin-mimetic zinc(II) complexes of the class 3-hydroxy-4-pyridinone ligands: In vitro cytotoxicity studies for safety assessment. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
287. Ana Oliveira, Dora Pinho, Antonio Albino-Teixeira, Rui Medeiros, Ricardo Dinis-Oliveira, Felix Carvalho (2014) Effects of modulating morphine metabolism on its pharmacological action in guinea pigs. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
288. Maria Teresa Baltazar, Ricardo Dinis-Oliveira, Maria de Lourdes Bastos, Jose Alberto Duarte, Felix Carvalho (2014) Lysine acetylsalicylate improves the safety of paraquat formulation in rats by increasing its elimination and preventing lung and kidney injury. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
289. Rita Feio-Azevedo, Vera Marisa Costa, Luisa Pinto Ferreira, Paula Serio Branco, Frederico Costa Pereira, Maria de Lourdes Bastos, Felix Carvalho, Joao Paulo Capela (2014) Amphetamine and its metabolite 4-hydroxyamphetamine neurotoxicity in differentiated SH-SY5Y neurons. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.
290. Rita Azevedo, Vera M. Costa, Daniel Barbosa, Armanda Gomes, Ines Pita, Ana Sequeira, Frederico Pereira, Margarida Duarte-Araujo, Jose A. Duarte, Eduarda Fernandes, M. Lourdes Bastos, Felix Carvalho, Joao Capela (2014) Aged rats are more prone to "ecstasy" neurotoxicity than adolescent rats. 50th Congress of the European Societies of Toxicology (EUROTOX),

Edinburgh, UK, 7-10 September.

291. Ana Reis-Mendes, Emilia Sousa, Fernando Remiao, Felix Carvalho, Maria Lourdes Bastos, Vera Marisa Costa (2014) At pharmacology relevant concentrations, mitoxantrone causes time- and concentration-dependent toxicity in H9c2 differentiated cells with autophagy involvement. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.

292. Jose Luis Dorez-Sousa, Jose Alberto Duarte, Vitor Seabra, Maria Lourdes Bastos, Felix Carvalho, Vera Marisa Costa (2014) Mitoxantrone's multiple cardiac targets: the age factor for toxicity. 50th Congress of the European Societies of Toxicology (EUROTOX), Edinburgh, UK, 7-10 September.

293. A. Reis-Mendes, A.S. Gomes, R.A. Carvalho, F. Remiao, F. Carvalho, M. Pinto, M.L. Bastos, E. Sousa, V.M. Costa (2015) The cardiotoxicity of mitoxantrone: A comparative in vitro study between mitoxantrone and its naphthoquinoxaline metabolite. VIII Encontro de Investigacao Jovem da Universidade do Porto - IJUP 2013, 13 a 15 de Maio, Porto.

294. A. Reis-Mendes, A.S. Gomes, R.A. Carvalho, F. Remiao, F. Carvalho, M. Pinto, M.L. Bastos, E. Sousa, V.M. Costa (2015) Unveiling the cardiotoxicity of anticancer drugs: A comparative in vitro study between mitoxantrone and its naphthoquinoxaline metabolite. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

295. M.J. Valente, A.M. Araujo, R. Silva, M.L. Bastos, F. Carvalho, P. Guedes de Pinho, M. Carvalho

(2015) Hepatic oxidative stress induced by methylene and MDPV: A comparison to MDMA. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

296. M.J. Valente, A.M. Araujo, R. Silva, M.L. Bastos, F. Carvalho, P. Guedes de Pinho, M. Carvalho (2015) Is hyperthermia the triggering factor for hepatotoxicity induced by 'bath salts'? An in vitro study using primary cultured rat hepatocytes. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

297. J. Garcia, V.M. Costa, A. Carvalho, R. Silvestre, J.A. Duarte, D. Dourado, R. Oliveira, P. Baptista, M.L. Bastos, F. Carvalho (2015) Discovery of an effective antidote for Amanita phalloides poisoning. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

298. A. Santos-Carvalho, N. Santos, C. Cavadas, F. Carvalho, S. Ferreira (2015) Toxicity of synthetic cannabinoids in neuronal, hepatic and cardiac in vitro models. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

299. D. Dias da Silva, F. Ponte, T. Moniz, H. Carmo, F. Carvalho, F. Remiao, M.C. Rangel, M.L. Bastos (2015) Zinc (II) 3-hydroxy-4-pyridinones as potential agents for Diabetes mellitus: Evaluation of toxicity and efficacy in HepG2, Caco-2, and 3T3-L1 cells. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

300. R. Feio Azevedo, V.M. Costa, L. Pereira, P. Branco, F. Pereira, M.L. Bastos, F. Carvalho, J. Capela (2015) Neurotoxicity of amphetamine and its metabolite 4-hydroxynorephedrine on differentiated SH-SY5Y dopaminergic cells. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

301. D. Lima, F. Marques, A. Duarte, C.M. Afonso, F. Carvalho, R. Dinis-Oliveira (2015) Quantification of buprenorphine and the metabolites of methadone and heroin in hair of patients in rehabilitation programs by GC-MS. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

302. F. Remiao, R. Silva, V. Vilas-Boas, H. Carmo, R.J. Dinis-Oliveira, F. Carvalho, M. Lourdes Bastos (2015) Induction and activation of P-glycoprotein efflux pump as a therapeutic strategy Toxicology Letters, Volume 238, Issue 2, Supplement, Page S48.

303. D.A. Fonseca, A.F. Guerra, F. Carvalho, E. Fernandes, L. Ferreira, P. Antunes, M. Antunes, M.D. Cotrim (2015) The influence of hyperthermia on the vascular effects of MDMA and its metabolites. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

304. V.M. Costa, J. Capela, C. Silveira, R.P. Eleuterio, P. Rodrigues, M.L. Bastos, J. Duarte, F. Remiao, M.G. Almeida, F. Carvalho (2015) Mitoxantrone elicits oxidative stress and proteomic changes in HL-1 cardiomyocytes at clinically relevant doses. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.

305. E. Alves, A.S. Agonia Ferreira, C.M. Afonso, S.M. Cravo, A. Duarte Pereira Netto, F. Carvalho, R.J. Dinis-Oliveira (2015) Validation of a modified QuEChERS extraction/GC-MS methodology for quantification of drugs of abuse in human samples. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.



306. A. Teixeira-Gomes, V.M. Costa, R. Feio-Azevedo, J. Duarte, M. Duarte-Araujo, E. Fernandes, M.L. Bastos, F. Carvalho, J. Capela (2015) "Ecstasy" acute toxicity to the brain and peripheral organs in adolescent rats following a human relevant binge dose. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.
307. J. Dores-Sousa, J. Duarte, V. Seabra, M.L. Bastos, F. Carvalho, V.M. Costa (2015) A mild cumulative dose of mitoxantrone leads to age-dependent cardiac injury in mice. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.
308. A.S. Oliveira, S. Fraga, F. Carvalho, C. Costa Pereira, J. Teixeira, M.L. Bastos, P. Guedes de Pinho (2015) Chemical composition, in vitro cytotoxicity and genotoxicity of Kratom commercial product. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.
309. P. Silva, D. Couto, M. Freitas, V.M. Costa, R. Campos Chiste, M.A. Lopez-Quintela, J. Rivas, P. Freitas, F. Carvalho, E. Fernandes (2015) Distribution of polyacrylic acid-coated iron oxide nanoparticles in the liver and spleen of CD-1 mice and filtration by the respective mononuclear phagocyte systems. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.
310. A.I. Vardavas, P. Fragkiadaki, J. Tsiaoussis, E. Ozcagli, D. Stagkos, D. Kouretas, C. Tsitsimpikou, F. Carvalho, A. Tsatsakis (2015) Oxidative stress and telomerase activity in PBMCs after long term exposure of rabbits to cypermethrin and piperonyl butoxide. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.
311. J. Faria, J. Barbosa, F. Carvalho, O. Queiros, R. Moreira, R.J. Dinis-Oliveira (2015) An in vitro comparative study of the neurotoxicological effects of tramadol and tapentadol in SH-SY5Y cells. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.
312. R. Chiste, D. Couto, M. Freitas, V.M. Costa, A. Almeida, M.A. Lopez-Quintela, J. Rivas, P. Freitas, F. Carvalho, E. Fernandes (2015) The putative pro-inflammatory effect and oxidative stress induced by polyacrylic acid-coated iron oxide nanoparticles in mice: An biodistribution and toxicological study. The 51st Congress of the European Societies of Toxicology (EUROTOX), Porto, Portugal, 13-16 September.
313. Emanuele Amorim Alves, Jose Xavier Soares, Ana Sofia Ferreira, Sara M. Cravo, Joao Neves, Carlos M. Afonso, Annibal Duarte P. Netto, Felix Carvalho, Ricardo Jorge Dinis-Oliveira (2015) Synthesis of the "Krokodil" drug through "street" reported methods and product analysis. 53rd TIAFT meeting 2015, Firenze, August 30th - September 4th.
314. E. Alves, J. Soares, A. Ferreira, C. Afonso, A. Pereira Netto, F. Carvalho, R. Dinis-oliveira (2015) A sintese ilicita de krokodil. II Conferencia do Instituto Nacional de Medicina Legal e Ciencias Forenses. Coimbra, 30 e 31 de Outubro.
315. E. Alves, A. Ferreira, C. Afonso, S. Cravo, A. Netto, F. Carvalho, R.D. Oliveira (2015) Quantificacao de opioides em sangue por GC-EM utilizando QUECHERS. I Conferencia do Instituto Nacional de Medicina Legal e Ciencias Forenses, Coimbra, 30 e 31 de Outubro.
316. A. Santos Carvalho, A. Fontes, N. Santos, A. Araujo, P. Guedes, C. Cavadas, F. Carvalho, S. Ferreira (2016) 5F-PB-22 and XLR-11, two consumed synthetic cannabinoids, present a distinct toxicity profile in neuronal, hepatic and cardiac cells. 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 04th-07th September.
317. M Valente, M Bastos, F Carvalho, PG De Pinho, M Carvalho (2016) k-amphetamines: Neurotoxicity triggered by methylone and MDPV in undifferentiated and differentiated SH-SY5Y cells and comparison to MDMA. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.
318. E.A. Alves, J.X. Soares, A.M. Silva, J.F. Neves, S.M. Cravo, A.M. Silva, M. Rangel, C.M. Afonso, A.D. Netto, F. Carvalho, R.J. Dinis Oliveira (2016) identification of a complex mixture of opioids on krokodil street-like samples. 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 04th-07th September.
319. E.A. Alves, P. Brandao, J.F. Neves, S.M. Cravo, J.X. Soares, J.A. Duarte, J.C. Grund, D. Otiashvilli, C.M. Afonso, A.D. Netto, F. Carvalho, R.J. Dinis Oliveira (2016) Short-term toxicodynamics of krokodil in wistar rats following repeated subcutaneous administration. 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 04th-07th September.
320. D. Dias Da Silva, A. Ferreira, M. Martins, M. Valente, F. Remiao, F. Carvalho, M. Bastos, H. Carmo (2016) In vitro neurotoxicity of 'Legal X': The combination of 1-benzylpiperazine (BZP) and 1-(m-trifluoromethylphenyl)piperazine (TFMPP) induces mitochondrial impairment and disrupts thiol

homeostasis in dopaminergic SH-SY5Y cells. 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 04th-07th September.

321. A.I. Vardavas, E. Ozcagli, P. Fragkiadaki, P.D. Stivaktakis, M.N. Tzatzarakis, K. Kaloudis, M. Tsardi, G. Datseri, J. Tsiaoussis, C. Tsitsimpikou, F. Carvalho, A.M. Tsatsakis (2016) DNA damage after long-term exposure of rabbits to Imidacloprid and sodium tungstate. 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 04th-07th September.

322. M Martins, A Pinto, RR Bravo, H Carmo, F Carvalho, M Bastos, R Dinis-Oliveira, D Dias da Silva (2016) Cocaine combined with heroin/morphine or ethanol disrupts mitochondrial and oxidative homeostasis. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

323. V Vilas Boas, B Espina, Y Kolen'ko, M Banobre Lopez, V Martins, P Freitas, F Carvalho (2016) Targeting chemokine receptor CXCR4 with magnetic particles to eliminate leukaemia cells with magnetic hyperthermia. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

324. D Dias Da Silva, A Ferreira, M Martins, M Valente, F Remiao, F Carvalho, M Bastos, H Carmo (2016) In vitro neurotoxicity of 'Legal X': The combination of 1-benzylpiperazine (BZP) and 1-(m-trifluoromethylphenyl) piperazine (TFMPP) induces mitochondrial impairment and disrupts thiol homeostasis in dopaminergic SH-SY5Y cells. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

325. J Soares, VM Costa, S Bronze, H Gaspar, S Santos, ML Bastos, F Carvalho, J Capela (2016) Neurotoxicity of synthetic cathinones on differentiated SH-SY5Y human dopaminergic cells. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

326. AI Vardavas, E Ozcagli, P Fragkiadaki, PD Stivaktakis, MN Tzatzarakis, K Kaloudis, M Tsardi, G Datseri, J Tsiaoussis, C Tsitsimpikou, F Carvalho, AM Tsatsakis (2016) DNA damage after long-term exposure of rabbits to Imidacloprid and sodium tungstate. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

327. EA Alves, P Brandao, JF Neves, SM Cravo, JX Soares, JA Duarte, JC Grund, D Otiashvili, CM Afonso, AD Netto, F Carvalho, RJ Dinis Oliveira (2016) Short-term toxicodynamics of krokodil in wistar rats following repeated subcutaneous administration. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

328. J Barbosa, J Faria, O Queiros, R Moreira, F Carvalho, RD Oliveira (2016) Comparative toxicity of tramadol and tapentadol in Wistar rats. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

329. EA Alves, JX Soares, AM Silva, JF Neves, SM Cravo, M Rangel, CM Afonso, AD Netto, F Carvalho, RJ Dinis Oliveira (2016) Identification of a complex mixture of opioids on krokodil street-like samples. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

330. P Moreira, S Cunha, DD Da Silva, F Carvalho, M Bastos, H Carmo (2016) Development and validation of a method for the simultaneous quantification of two piperazines used as drugs of abuse. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

331. A Santos Carvalho, A Fontes, N Santos, A Araujo, P Guedes, C Cavadas, F Carvalho, S Ferreira (2016) 5F-PB-22 and XLR-11, two consumed synthetic cannabinoids, present a distinct toxicity profile in neuronal, hepatic and cardiac cells. The 52nd Congress of the European Societies of Toxicology (EUROTOX), Seville, Spain, 4-7 September.

332. J. Garcia, V. Costa, A. Carvalho, R. Silvestre, J.A. Duarte, D. Dourado, R. Dinis-Oliveira, P. Baptista, M.L. Bastos, and F. Carvalho (2016) Polymyxin B as a New Antidote Against Amanita Phalloides Poisoning: from In Silico to In Vivo Studies. 55th Annual Meeting and ToxExpo, Society of Toxicology (SOT) in New Orleans, Louisiana, March 13-17.

333. M. L. Bastos, M.J. Valente, A.M. Araujo, F. Carvalho, P. Guedes de Pinho, and M. Carvalho (2016) Synthetic Cathinones: Unveiling the Mechanisms for Liver Injury. 55th Annual Meeting and ToxExpo, Society of Toxicology (SOT) in New Orleans, Louisiana, March 13-17.

334. M.T. Baltazar, R.J. Dinis-Oliveira, L. Guilhermino, J.A. Duarte, M.L. Bastos, F. Carvalho (2016) Improving the human and environmental safety of paraquat. XIV International Congress of Toxicology in conjunction with the X Mexican Congress of Toxicology, Merida Siglo XXI Convention Center, Merida, Yucatan, Mexico, 2-6 October 2016.

335. Mariana Soares, Felix Carvalho, Ricardo Jorge Dinis Oliveira (2016) Poisonings by Cortinarius mushrooms containing orellanine. 1º Congresso da Associação Portuguesa de Ciências Forenses, Faculdade de Medicina da Universidade do Porto, 12-13 Fevereiro.

336. Domingos Martins, Juliana Faria, Diana Goncalves, Felix Carvalho, Odilia Queiros, Roxana Moreira, Ricardo Jorge Dinis Oliveira, Joana Barbosa (2016) Optimization of a Populational study of the G-840A polymorphism. 1º Congresso da Associacao Portuguesa de Ciencias Forenses, Faculdade de Medicina da Universidade do Porto, 12-13 Fevereiro.
337. Juliana Faria, Joana Barbosa Felix Carvalho, Odilia Queiros, Roxana Moreira, Ricardo Jorge Dinis Oliveira, (2016) In vitro comparative study of the toxicological effects of tramadol and tapentadol in a panel of cell lines. 1º Congresso da Associacao Portuguesa de Ciencias Forenses, Faculdade de Medicina da Universidade do Porto, 12-13 Fevereiro.
338. Joao Pedro Silva, Helena Carmo, Felix Carvalho (2017) In vitro nephrotoxicity of synthetic cannabinoids. 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th-13th September, 2017.
339. Ana Margarida Araujo, Ana Rita Lima, Maria de Lourdes Bastos, Felix Carvalho, Marcia Carvalho, Paula Guedes de Pinho (2017) Effect of subtoxic and toxic concentrations of galactosamine in the metabolome of primary mouse hepatocytes. 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th-13th September, 2017.
340. Ana Santos-Carvalho, Adriana Fontes, Nuno Santos, Ana Margarida Araujo, Paula Guedes de Pinho, Claudia Cavadas, Felix Carvalho, Sonia Ferreira (2017) Unravelling the mechanisms of neuronal, hepatic, cardiac and renal cell toxicity of two synthetic cannabinoids, 5F-PB 22 and XLR-11. 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th-13th September, 2017.
341. Maria Joao Valente, Cristina Amaral, Georgina Correia-da-Silva, Jose Alberto Duarte, Maria de Lourdes Bastos, Felix Carvalho, Paula Guedes de Pinho, Marcia Carvalho (2017) Role of autophagy, apoptosis and oxidative stress in the toxicity of -keto amphetamines to human dopaminergic SH-SY5Y cells. 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th-13th September, 2017.
342. Fernando Remiao, A. Rita Lima, Daniela Rodrigues, Alfredo G. Casanova, Helena Carmo, Felix Carvalho, Maria Lourdes Bastos (2017) TOX-OER MOOC: The pharmaco and toxicokinetics module. 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th-13th September, 2017.
343. Alexander Vardavas, Manolis Tzatzarakis, Polychronis Stivaktakis, Persefoni Fragkiadaki, Athanasios Alegakis, John Tsiaoussis, Christina Tsitsimpikou, Felix Carvalho, Aristidis Tsatsakis (2017) Aldehyde oxidase metabolism route inhibition via sodium tungstate in imidacloprid exposed rabbits. 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th-13th September, 2017.
344. Maria Joao Martins, Patricia Moreira, Rita Roque Bravo, Helena Carmo, Felix Carvalho, Maria de Lourdes Bastos, Ricardo Jorge Dinis-Oliveira, Diana Dias da Silva (2017) Oxidative damage and energetic crisis in cardiomyocytes after co-exposure of cocaine and morphine. 53rd Congress of the European Societies of Toxicology (EUROTOX) Bratislava, Slovakia, 10th-13th September, 2017.
345. M.J. Martins, R.R.D.S. Bravo, H. Carmo, F. Carvalho, M.D.L. Bastos, R.J. Dinis-Oliveira, D. Dias da Silva (2018) Co-exposure to cocaine and ethanol induces oxidative impairment in H9c2 cardiomyocytes. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.
346. J. Soares, V. Costa, S. Bronze, H. Gaspar, S. Santos, M.D.L. Bastos, F. Carvalho, J. Capela (2018) Clorgyline and N-acetyl-L-cysteine provide partial protection against the toxicity of synthetic cathinones and methamphetamine on SH-SY5Y humans cells. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.
347. S.P. Camoes, A. de la Fuente, F. Carvalho, M. Abal, J.M. Santos, J.P. Miranda (2018) Treatment of impaired wounds - Understanding the therapeutic mechanisms of umbilical cord-derived mesenchymal stem cells. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.
348. F. Carvalho, M.D.L. Bastos, S.O. Silva, H. Carmo, D.D.D. Silva (2018) Benzylpiperazine (BZP) additively increases Methylenedioxymethamphetamine (MDMA) cardiotoxicity in H9c2 cells, an effect potentiatted by hyperthermia. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.
349. T. Carvalho, I. Vaz, A.M. Araujo, F. Remiao, M.D.L. Bastos, M. Carvalho (2018) Toxicity of synthetic cathinones in human kidney (HK-2) cells. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.
350. C. Rocha-Pereira, J. Soares, A.G. Casanova, H. Carmo, F. Carvalho, M.D.L. Bastos, F. Remiao (2018) TOX-OER MOOC: The liver as target organ. 54rd Congress of the European

Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

321. P. Guedes de Pinho, D. Sousa, F. Carvalho, H. Carmo, M.D.L. Bastos, D. Dias da Silva (2018) 2,4-Dinitrophenol (2,4-DNP) induces toxicity in primary hepatocytes through oxidative stress and mitochondrial dysregulation. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

322. T. Soares, M. Gonzalez-Gomez, J. Rivas, P. Freitas, F. Carvalho, E. Fernandes, M. Freitas (2018) Polyethyleneimine coated silver nanoparticles induce human neutrophils' oxidative burst via NADPH oxidase, through the activation of PKC. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

323. A.M. Araujo, M.D.L. Bastos, F. Carvalho, M. Carvalho, P. Guedes de Pinho (2018) Metabolomic analysis of the toxicity pathways elicited by subtoxic concentrations of methylone in primary mouse hepatocytes. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

324. J. Alexandre, H. Carmo, F. Carvalho, J.P. Silva (2018) Synthetic cannabinoids enhance neuronal differentiation in neuroblastoma cells at in vivo relevant concentrations. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

325. T. Soares, M. Freitas, F. Carvalho, E. Fernandes (2018) Low size citrate coated silver nanoparticles are potent inducers of human neutrophils' oxidative burst. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

326. J. Parra, A.R.T.S. Araujo, F. Carvalho, H. Carmo, J.P. Silva (2018) Neurotoxicity assessment of four synthetic cathinones in neuroblastoma cells at in vivo relevant concentrations. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

327. A. Reis-Mendes, F. Carvalho, E. Sousa, F. Remiao, M.D.L. Bastos, V.M. Costa (2018) Cardiotoxicity of FAC (5-Fluorouracil + Adriamycin + Cyclophosphamide) Metabolites in H9c2 Cardiac Differentiated Cells. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

328. R.R.D.S. Bravo, P. Moreira, F. Carvalho, M.D.L. Bastos, H. Carmo, D. Dias da Silva (2018) The synthetic psychostimulant 4-fluoromethamphetamine induces in vitro hepatotoxic effects, via CYP2E1 metabolism. 54rd Congress of the European Societies of Toxicology (EUROTOX) Brussels, Belgium, 2-5 September.

#### Other Relevant Information

#### SUPERVISIONS

##### SUPERVISIONS OF POS-DOC STUDENTS (CONCLUDED)

1. Doctor Maria Teresa Burnay Summavielle. Title of the study: "Behavioral and biochemical effects resulting from the exposure to MDMA (ecstasy) during adolescence" (SFRH/BPD/20997/2004).
2. Doctor Eliane Dellagrave, from "Fundacao Estadual de Producao e Pesquisa em saude - Centro de Informacao Toxicologica do Rio Grande do Sul". Title of the study: "Avaliacao da eficacia pre-clinica da sulfasalazina no tratamento da intoxicacao por paraquat em ratos Wistar (Ref: DRI/CGBE nº 10/2009).
3. Doctor Joao Paulo Soares Capela. Title of the study: "Neurotoxicity of "ecstasy"-like amphetamines: para-methoxyamphetamine (PMA) and 4-methylthioamphetamine (4-MTA)" (SFRH/BPD/30776/2006).
4. Doctor Ricardo Jorge Dinis Oliveira. Title of the study: "Development and application of antidotes for the treatment of xenobiotic intoxications in pre-clinical and clinical studies using the model of paraquat-induced pulmonary toxicity" (SFRH/BPD/36865/2007).
5. Juliana Cristina Venera Garcia. Title of the study: "Development of antidotes for Amanita phalloides intoxications, from in silico to the intoxicated patient" (in Project PTDC/DTP-FTO/4973/2014).
6. Vera Marisa Freitas Costa. Title of the study: "Cardiac and neurologic toxicity of mitoxantrone using in vitro, in vivo models, and clinical studies. Relevance to the side effects observed in cancer and multiple sclerosis mitoxantrone treated patients" (SFRH/BPD/63746/2009).

Supervisor: Felix Dias Carvalho

Co-supervisor: Fernando Remiao

Co-Supervisor: Jose Alberto Ramos Duarte

##### SUPERVISIONS OF PhD STUDENTS (FINALIZED)

1. Fernando Manuel Gomes Remiao. Title of the thesis: "Avaliacao da citotoxicidade de compostos ss-2-adrenergicos associados ou nao a metilxantinas em cardiomiocitos isolados de rato" started in

June 1998 and finished in December 2002.

2. Marcia Claudia Dias Carvalho. Title of the thesis: "Estudos in vitro da hepatotoxicidade, nefrotoxicidade e cardiotoxicidade da metilenedioximetanfetamina ("ecstasy") e dos seus metabolitos conjugados com a glutatona, cisteina e n-acetilcisteina", started in January 2000 and finished in November 2004.
3. Bruno Andre Fernandes de Jesus da Silva Nunes. Title of the thesis: "Desenvolvimento de testes de toxicidade baseados em parametros sub-individuais para avaliacao da toxicidade de xenobioticos em agua salgada", started in September 1999 and finished in May 2004.
4. Teresa Maria de Jesus Teixeira. Title of the thesis: "A hipertensao provocada pelo bloqueio dos receptores da adenosina: um modelo de disfuncao cardiovascular por activacao de stress oxidativo?", started in January 2002 and finished in May 2006.
5. Manuela Maria Teixeira Basto de Faria Frasco. Title of the thesis: "Desenvolvimento de metodos ecologicamente relevantes para avaliacao da toxicidade ambiental em estuarios e de um sistema de bio-remediacao".
6. Joao Paulo Soares Capela. Title of the thesis: "Neurotoxicity of ecstasy in rat cortical neurons".
7. Ricardo Jorge Dinis Oliveira. Title of the thesis: "Research into the mechanisms of paraquat-induced multiple organ failure. Development and application of antidotes and antidotal pathways for the treatment of human poisonings" (SFRH/BD/13707/2003).
8. Ema Luis Pereira Gomes Alves. Title of the thesis: "Neurotoxicity of methylenedioxymethamphetamine (MDMA; ecstasy) and its main metabolites, on rat brain mitochondria in vitro and in vivo - behavioral consequences" (SFRH/BD/12176/2003).
9. Helena de Oliveira Pontes. Title of the thesis: Toxicological and toxicokinetic interactions between ethanol and ecstasy in the rat" (SFRH/BD/18527/2004).
10. Carla Sara Ferreira de Sousa. Title of the thesis: "Brassica oleracea var. costata: perfil fenolico, teor em acidos organicos e avaliacao do potencial anti-oxidante"
11. Ana Filipa Ponte. Title of the thesis: "Instabilidade cromossomica na Anemia de Fanconi: estudo do sistema antioxidante da celula como veiculo para a sua prevencao" SFRH/BD/39903/2007.
12. Daniel Jose da Costa Barbosa. Title of the thesis: "Do mitochondrial disfunctions contribute for the neurotoxic effects of 3,4-methylenedioxymethamphetamine (MDMA; ecstasy) SFRH/BD/64939/2009.
13. Ana Elisabete Pereira Correia de Oliveira. Title of the thesis: "Genetic modulation of the response to opioids administration: pharmacogenomic profiling in cancer pain patients" SFRH/BD/62775/2009.
14. Maria Teresa Pires Baltazar. Title of the thesis: "Development of safe paraquat formulations and antidotes for the toxicity of this herbicide" SFRH/BD/65387/2009.
15. Juliana Cristina Venera Garcia. Curso de Doutoramento em Ciencias Farmaceuticas, especialidade em Toxicologia, com a dissertacao: "Mushroom intoxications: Development of antidotes for amatoxins" (SFRH/BD/74979/2010).
16. Mestre Diana Manuel Mocho de Bastos Couto. Curso de Doutoramento em Ciencias Farmaceuticas, especialidade em Quimica Medicinal, com a dissertacao: "Effects of paramagnetic and superparamagnetic iron oxide nanoparticles on human leukocytes" (SFRH/BD/72856/2010).
17. Mestre Vania Filipa Esteves Vilas Boas. Curso de Doutoramento em Ciencias Farmaceuticas, especialidade em Toxicologia, com a dissertacao: "Targeting CXCR4 with immuno-modified iron oxide nanoparticles for cancer treatment with magnetically-induced hyperthermia. Na in vitro approach." (SFRH/BD/82556/2011). Concluido em 3 de Maio de 2017.
18. Emanuele Amorim Alves. Curso de Doutoramento em Ciencias Forenses da Universidade do Porto, com a dissertacao: "Krokodil: the resurface of an old drug. Street-like synthesis, product chemical analysis and toxicological evaluation". Bolsa do Programa Ciencias sem Fronteiras - Doutorado Pleno no Exterior, processo numero: 245844/2012-0. Concluido em 25 de Maio de 2017.
19. Mestre Maria Joao Valente. Curso de Doutoramento em Ciencias Farmaceuticas, especialidade em Toxicologia, com a dissertacao: "Uncovering the health risks of cathinone derivatives: In vivo and in vitro toxicological studies." - SFRH/BD/89879/2012. Concluido em~ 23 de junho de 2017.
20. Maria Joana Almeida Rodrigues Barbosa  
Doutoramento em Biomedicina da Faculdade de Medicina da Universidade do Porto  
"Tramadol and tapentadol pharmacokinetics: a comparative study of the influence of polymorphisms in metabolizing enzymes and transporters"  
Concurso a Bolsa da Fundacao para a Ciencia e Tecnologia nº SFRH/BD/130861/2017.
21. Alexander I. Vardavas, Medical School of the University of Crete com a dissertacao: "In-vitro and



in-vivo toxicity studies on pesticides with insecticide (Cypermethrin, Deltamethrin) and fungicide (Fosetyl-AL) action. Biomonitoring of the exposure on human resident populations".

22. Jorge Emanuel Miranda Teixeira Soares. Programa Doutoral de Farmacologia e Toxicologia Experimentais e Clinicas. 'Neuro- and cardiotoxicity of synthetic cathinones'

#### SUPERVISIONS OF PhD STUDENTS (ONGOING)

1. Ana Margarida Carvalho Araujo

Doutoramento em Ciencias Farmaceuticas

"Evaluation of toxicological effects mediated by synthetic cathinones through the application of GC-MS metabolomic studies using in vitro/in vivo models.

2. Maria Bernardes Andre, Bolseira FCT nº SFRH/BD/139211/2018, tese intitulada "Biochemistry for the estimation of post mortem interval: development of a mathematical model".

#### SUPERVISIONS OF MASTER STUDENTS (FINALIZED)

1. Mestrado de Lorena Maria Gomes Rodrigues, no Curso de Mestrado de Controlo de Qualidade da Faculdade de Farmacia do Porto iniciado no ano lectivo de 1994/95 e finalizado em 1997, tendo desenvolvido o tema do Seminario "As aminas biogenicas como indicadores de qualidade em conservas de peixe" e o tema de Dissertacao "Desenvolvimento de metodologias de HPLC para o doseamento de histamina em conservas de peixe".

2. Mestrado de Marcia Claudia Dias Carvalho, no Curso de Mestrado de Controlo de Qualidade da Faculdade de Farmacia do Porto iniciado no ano lectivo de 1997/98 e finalizado em 2000, com o tema de Seminario "Toxicidade das anfetaminas" e o tema de Dissertacao "Hepatotoxicidade da ecstasy. Ensaio in vivo e in vitro".

3. Mestrado de Maria Cristina Antao, no Curso de Mestrado de Controlo de Qualidade da Faculdade de Farmacia do Porto iniciado no ano lectivo de 1997/98 e finalizado em 2001, com o tema de Seminario "Revisao de metodologias biologicas para avaliacao da qualidade das aguas" e o tema de Dissertacao "Avaliacao da qualidade das aguas por metodos biologicos".

4. Mestrado de Katerina Venderova, com o titulo de Mestre emitido pela "Faculty of Pharmacy, Charles University in Prague" em 2000, com trabalho experimental realizado no Servico de Toxicologia da Faculdade de Farmacia da Universidade do Porto durante o ano lectivo 1999/2000 ao abrigo do Programa Erasmus, com o tema de dissertacao "d-Amphetamine - induced hydrogen peroxide production in Mouse whole brain homogenate. Influence of temperature on hydrogen peroxide production".

5. Mestrado de Maria Teresa do Vale Ferreira, no Curso de Mestrado em Ciencias do Desporto da Faculdade de Ciencias do Desporto e Educacao Fisica da Universidade do Porto iniciado no ano lectivo de 2003/04 e finalizado em 2005, com o tema de Dissertacao "Influencia do exercicio fisico e da temperatura corporal em marcadores de cardiotoxicidade aguda, induzida pela administracao de d-anfetamina, no modelo animal".

6. Mestrado de Ligia Maria Reis Violas, no Curso de Mestrado em Ciencias do Desporto da Faculdade de Ciencias do Desporto e Educacao Fisica da Universidade do Porto iniciado no ano lectivo de 2003/04 e finalizado em 2005, com o tema de Dissertacao "Influencia da ingestao aguda de ecstasy nos niveis de actividade fisica, temperatura corporal e na frequencia cardiaca".

7. Mestrado de Filipe Soares Ferreira, do Curso de Mestrado em Ciencias do Desporto da Faculdade de Ciencias do Desporto e Educacao Fisica da Universidade do Porto iniciado no ano lectivo de 2004/05 e finalizado em 2006, com o tema de Dissertacao "Influencia da administracao de "ecstasy" e do exercicio fisico agudo na taxa de producao de peroxido de hidrogenio "in vivo" no musculo esquelético de ratinho".

8. Silvia Alexandra Moreira Monteiro, do Curso de Mestrado em Toxicologia Analitica Clinica e Forense da Faculdade de Farmacia do Porto, com o tema de Dissertacao "Neurotoxicidade da Dopamina e dos seus Conjugados. Estudos In Vitro em Neuronios Dopaminergicos Humanos SH-SY5Y, e In Vivo em Ratos Sprague-Dawley ", finalizado em 30 de Novembro de 2010.

9. Luis Miguel da Fonseca Carvalho, do Curso de Mestrado em Toxicologia Analitica Clinica e Forense da Faculdade de Farmacia do Porto iniciado no ano lectivo de 2010/2011, com o tema de Dissertacao "Identification of edible and non-edible mushrooms of the same genus (e.g. Amanitas and Boletus) through their volatile and semi-volatile composition. Implications in the diagnosis of mushroom intoxications", finalizado em 28 de Novembro de 2012.

10. Rita Furtado Feio Azevedo, do Curso de Mestrado em Controlo de Qualidade da Faculdade de Farmacia do Porto, com o tema de Dissertacao "Avaliacao da citotoxicidade e genotoxicidade de nanoparticulas de oxido de ferro em celulas neuronias humanas", concluido em 3 de Janeiro de

2013,

11. Renata Isabel Braga Fernandes Rocha Lima, do Curso de Mestrado em Medicina Legal do do Instituto de Ciencias Biomedicas Abel Salazar da Universidade do Porto, com o tema de Dissertacao "Drug abuse patterns in Coimbra recreational nightlife", concluido em 12 de Dezembro de 2013

12. Ana Margarida Carvalho Araujo - "Psychoactive substances present in "legal drugs" purchased in "smart shops" or via the Internet: Screening and metabolic studies". Mestrado em Ciencias Forenses da Faculdade de Medicina da Universidade do Porto, concluido em 16 de Dezembro de 2013.

13. Fernando Xavier Ferreira Moreira, do Curso de Mestrado em Ciencias Forenses, da Universidade do Porto, com o tema de Dissertacao "Substancias psicoativas presentes na Salvia divinorum adquirida em smartshops ou via-Internet", concluido em 24 de Janeiro de 2014.

14. Ana Sofia Oliveira, do Curso de Mestrado em Ciencias Forenses, da Universidade do Porto, com o tema de Dissertacao "Substancias psicoativas presentes nas legal highs adquiridas nas smartshops ou pela internet. Caracterizacao quimica e estudo da citotoxicidade in vitro do Kratom (Mitragyna speciosa)", concluido em 3 de Novembro de 2014.

15. Sofia Guedes, do Curso de Mestrado em Ciencias Forenses, da Universidade do Porto, com o tema de Dissertacao "Detection and identification of pyrolysis products from the combustion of synthetic cannabinoids", concluido em 23 de Outubro de 2014.

16. Armanda Teixeira Gomes, do Curso de Mestrado em Controlo de Qualidade da Faculdade de Farmacia do Porto, com o tema de Dissertacao "Brain and Peripheral Organ Toxicity of "Ecstasy" in Adolescent Rats in Human Relevant Doses.", concluido em 25 de Setembro de 2014.

17. Debora Tatiana Thomaz Moura Rios Oliveira, do Curso de Mestrado em Ciencias Forenses, da Universidade do Porto, com o tema de Dissertacao "Determinacao de metabolitos em cogumelos toxicos e ediveis por cromatograma gasosa e espectrometria de massa", concluido em 13 de Novembro de 2014.

18. Rosa Maria Miranda Correia de Matos, do Curso de Mestrado em Controlo de Qualidade da Faculdade de Farmacia do Porto, com o tema de Dissertacao "Detecao e identificacao de compostos quimicos resultantes da queima de produtos contendo canabinoides sinteticos.", concluido em 21 de novembro de 2016.