

PERSONAL INFORMATION **Frantisek Drafi****WORK EXPERIENCE**

- September 2017- Present **SK member of the Committee for Medicinal Products for Human Use (CHMP) at European Medicines Agency (EMA)**
European Medicines Agency, Amsterdam (Netherlands)
Slovak member of the CHMP;
The (co)rapporteur for centralised procedure.
- September 2017- Present **Clinical and non-clinical scientific assessor**
State Institute for Drug Control (SIDC) - Statny ustav pre kontrolu lieciv (SUKL-SK) - Bratislava (Slovakia)
Scientific assessor at the non-clinical and clinical assessors' department for the centralised procedure, national procedure, the decentralised procedure of medicinal products registration.
- July 2018- Present **Senior research fellow**
Slovak Academy of Science, Centre of Experimental Medicine, organisation unit - Institute of Experimental Pharmacology and Toxicology, Bratislava (Slovakia)
The main interest is focused on the pre-clinical research and study of chronic inflammatory diseases with emphasis on anti/pro-inflammatory processes with the aim to develop new therapeutic approaches. Pharmacodynamic, pharmacokinetic as well as toxicological mechanisms of action of biologically active substances with anti-inflammatory and anti-radical properties are investigated at an animal model.
Writing scientific papers, book chapters, presentations, etc.
Supervision of students of pharmacy/medicine/natural science and participation in current scientific projects. Planning, preparing and organisation of scientific projects, supervision of PhD students.
- September 2012-June 2018 **Junior research fellow**
Slovak Academy of Science, Centre of Experimental Medicine, organisation unit - Institute of Experimental Pharmacology and Toxicology, Bratislava (Slovakia)
The main interest was focused on the pre-clinical research and study of chronic diseases with an emphasis on anti/pro-inflammatory processes.
Pharmacodynamic, pharmacokinetic as well as toxicological mechanisms of action of biologically active substances with anti-inflammatory and anti-radical properties are investigated at an animal model.
Writing scientific papers, book chapters. Supervision of students of pharmacy/medicine and participation in current scientific projects.
Unpaid leave from March 2013 to January 2015 - see below.
- May 2013-January 2015 **Junior foreign research fellow**
ICRC - FNUSA, Brno (Czechia)
The main focus was on the study of experimental onco-diseases with emphasis on new pharmacotherapeutic principles by means of ultrasound diagnosis.
Pharmacodynamic mechanisms of action of newly synthesized substances have been investigated on animal and cellular levels together with the medical standard comparison.
- June 2009-August 2017 **General Pharmacist**
Public Pharmacy, Bratislava and Western Slovakia (Slovakia)
General pharmaceutical public healthcare, writing healthcare papers for the public, participation in a national healthcare campaign. Patients consultation of posology, interactions, side effects and other relevant aspects involved in the field of clinical pharmacy.

EDUCATION AND TRAINING

- September 2015-June 2018 **Master of Public Health (MPH)**
 Faculty of Public Health, Slovak Medical University, Bratislava (Slovakia)
 The study of the MPH programme is harmonized with directives of the European Union to impart graduates with the necessary skills and qualifications to practice as health care experts. Qualification management study program involves behavioural health, epidemiology, management and health economics, health protection, preventive and clinical medicine.
- September 2009-August 2012 **PhD degree in Pharmacology (PhD.)**
 Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava (Slovakia)
 Pharmacology, patho-biochemistry, experimental rheumatology, etc.
- September 2010-April 2011 **Doctoral degree in Pharmacy (PharmDr.)**
 Faculty of Pharmacy, Comenius University in Bratislava (Slovakia)
 Pharmacology, patho-biochemistry, experimental diabetology.
- September 2004-June 2009 **Masters degree in Pharmacy (Mgr.)**
 Faculty of Pharmacy, Comenius University in Bratislava (Slovakia)
 Pharmacology and toxicology, pharmacognosy, pharmaceutical chemistry, pharmaceutical technology, social pharmacy, legislation and pharmacoconomics, experimental diabetology, etc.

ADDITIONAL INFORMATION

- Expertise** Scientific assessor at the non-clinical and clinical assessment department;
 The centralised procedure, national procedure, decentralised procedure of drug registration in terms of clinical and non-clinical assessment report writing, regulatory affairs.
 Pharmacology, Pharmacy, Experimental Rheumatology, Experimental Diabetology, Experimental Oncology, Rotational Viscometry and in vitro hyaluronic acid expertise, Toxicology.
 In these areas, I published more than 20 articles (2009-2022) in extenso in international scientific journals. I am also the author and co-author of more than 30 abstracts from domestic and foreign conferences and a (co)-author of 4 chapters in books from US publisher NOVA SCIENCE and Elsevier
- Publications** Publication in the field of experimental arthritis and in vitro hyaluronic acid radical degradation (incl. abstracts):
 Frantisek Drafi, Silvester Ponist, Bruno Sepodes, Katarina Bauerova, Effects of Selected Non-biological and Biological Disease-Modifying Anti-rheumatic Drugs, Glucocorticoids, Denosumab and mRNA Vaccines on Mononuclear Phagocyte System, Reference Module in Biomedical Sciences, Elsevier, 2021, ISBN 9780128012383, <https://doi.org/10.1016/B978-0-12-820472-6.00110-9>.
 SEPODES, Bruno - ROCHA, Joao - BATISTA, Jorge - FIGUEIRA, Maria-Eduardo - DRAFI, Frantisek - TORRE, Carla. Implementation and Access to Pre-exposure Prophylaxis for Human Immunodeficiency Virus by Men Who Have Sex With Men in Europe. In *Frontiers in Medicine*, 2021, vol. 8, art. no. 722247. (2020: 5.091 - IF, Q1 - JCR, 1.388 - SJR, Q1 - SJR). ISSN 2296-858X. <https://doi.org/10.3389/fmed.2021.722247>
 SYKORA, T.** - BABAL, Pavel - KURACINOVA, Kristina - DRAFI, Frantisek - PONIST, Silvester - DVORAKOVA, M. - JANEGA, Pavol - BAUEROVA, Katarina. Hyperbilirubinemia Maintained by Chronic Supplementation of Unconjugated Bilirubin Improves the Clinical Course of Experimental Autoimmune Arthritis. In *International Journal of Molecular Sciences*, 2021, vol. 22, iss. 16, art. no. 8662. (2020: 5.923 - IF, Q1 - JCR, 1.455 - SJR, Q1 - SJR). ISSN 1422-0067. Dostupne na: <https://doi.org/10.3390/ijms22168662> (VEGA c. 2/0045/11 : Studium kombinacie imunopresivnej liecby a ovplyvnenia redoxnej rovnovahy organizmu na zvieracich modeloch reumatoidnej artritidy. VEGA c. 2/0115/19 : Nove pristupy k liecbe kachexie, zapalu a oxidacneho stresu v experimentalnej artritide: Ucinok roznych rastlinnych extraktov z olivovych listov, Rhodiola rosea, Tribulus terrestris a extra panenskeho olivoveho oleja. Vega c. 2/0136/20 : Hodnotenie a porovnanie protizapalovej a antioxidantnej ucinnosti karotenoidov in vitro a in vivo pomocou modelov chronicky zapalovych ochoreni)
 TSIKLAURI, Lia - SVIK, Karol - CHRASTINA, Martin - PONIST, Silvester - DRAFI, Frantisek - SLOVAK, Lukas - ALANIA, Mery - KEMERTELIDZE, Ether - BAUEROVA, Katarina**. Bioflavonoid Robinin from *Astragalus falcatus* Lam. Mildly Improves the Effect of Methotrexate in Rats with Adjuvant Arthritis. In *Nutrients*, 2021, vol. 13, no. 4, art. no. 1268. (2020: 5.717 - IF, Q1 - JCR, 1.418 - SJR, Q1 - SJR). ISSN 2072-6643. Dostupne na: <https://doi.org/10.3390/nu13041268> (Vega c. 2/0136/20 : Hodnotenie a porovnanie protizapalovej a antioxidantnej ucinnosti karotenoidov in vitro a

in vivo pomocou modelov chronických zapalových ochorení. VEGA c. 2/0115/19 : Nove pristupy k liecbe kachexie, zapalu a oxidacneho stresu v experimentalnej artritide: Ucinok roznych rastlinnych extraktov z olivovych listov, Rhodiola rosea, Tribulus terrestris a extra panenskeho olivoveho oleja. APVV-15-0308 : Molekularno-farmakologicke pristupy k inovativnej terapii reumatoidnej artritidy hodnotenej v experimentalnych podmienkach in vivo a in vitro)

TSIKLAURI, Lia - DRAFI, Frantisek - PONIST, Silvester - SLOVAK, Lukas - CHRASTINA, Martin - SVIK, Karol - KEMOKLIDZE, Z. - KEMERTELIDZE, E. - BAUEROVA, Katarina**. Study of Anti-Inflammatory Activity of Fatsiphloginum (*Fatsia japonica*) and a New Purified Triterpene-Rich Extract of Saponins (PS-551) in Experimental Model of Arthritis. In *Physiological Research*, 2019, vol. 68, suppl. 1, p. S75-S85. (1.701 - IF2018). ISSN 0862-8408.

DRAFI, Frantisek - BAUEROVA, Katarina - VALACHOVA, Katarina - PONIST, Silvester - MIHALOVA, Danica - JURANEK, Ivo - BOLDYREV, A. - HRABAROVA, Eva - SOLTES, Ladislav. Carnosine inhibits degradation of hyaluronan induced by free radical processes in vitro and improves the redox imbalance in adjuvant arthritis in vivo. In *Neuroendocrinology Letters*, 2010, vol. 31, suppl. 2, p. 96-100. (1.047 - IF2009). ISSN 0172-780X.

DRAFI, Frantisek - VALACHOVA, Katarina - HRABAROVA, Eva - JURANEK, Ivo - BAUEROVA, Katarina - SOLTES, Ladislav. Study of methotrexate and ss-alanyl-L-histidine in comparison with L-glutathione on high-molar-mass hyaluronan degradation induced by ascorbate plus Cu(II) ions via rotational viscometry. In *Acta Medica (Hradec Kralove) : Journal of Faculty of Medicine in Hradec Kralove*, 2010, vol. 53, no. 3, p.170-171. ISSN 1211-4286.

DRAFI, Frantisek - VALACHOVA, Katarina - HRABAROVA, Eva - BAUEROVA, Katarina - JURANEK, Ivo - SOLTES, Ladislav. Effect of methotrexate and carnosine on high-molar-mass hyaluronan degradation by Weissberger's system. In *Lipid oxidation, human diseases and aging: program and abstract book*. Turin, Italy, June 16-18, 2010. - [Turin] : [University of Turin], 2010, p. P8.

DRAFI, Frantisek - VALACHOVA, Katarina - HRABAROVA, Eva - JURANEK, Ivo - BAUEROVA, Katarina - SOLTES, Ladislav. Radical degradation of high-molar-mass hyaluronan induced by ascorbate plus Cu(II) ions. Testing of methotrexate and carnosine for their function as anti-oxidant. In *TOXCON 2010: borderless toxicology. 15th Interdisciplinary toxicological conference & advanced toxicological course. The High Tatras Slovakia, Stara Lesna - Hotel Academia, September 6-10, 2010. Dedicated to the memory of doyen of Czecho-Slovak pharmacology and toxicology Prof. Helena Raskova, MD., DSc. (1913 - 2010). Programme & Abstracts.*, p. A41 - A42. *Interdisciplinary toxicology. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS*, 2010, vol. 3, no. 3, p. A41 - A42. ISSN 1337-6853.

DRAFI, Frantisek - BAUEROVA, Katarina - KUNCIROVA, Viera - PONIST, Silvester - MIHALOVA, Danica - FEDOROVA, Tatiana - HARMATHA, Juraj - NOSAL, Radomir. Pharmacological influence on processes of adjuvant arthritis: Effect of the combination of an antioxidant active substance with methotrexate. In *Interdisciplinary toxicology*, 2012, vol. 5, no. 2, p. 84-91. ISSN 1337-6853.

DRAFI, Frantisek - BAUEROVA, Katarina - KUNCIROVA, Viera - PONIST, Silvester - MIHALOVA, Danica - BOLDYREV, A. - HARMATHA, Juraj - NOSAL, Radomir. Evaluation of combined methotrexate therapy with antioxidant active substances in adjuvant-induced arthritis. A new approach to rheumatoid arthritis treatment. In *Drugs: their action in pharmacology and toxicology*. Editors Viktor Bauer, Mojmir Mach, Jana Navarova, Ruzena Sotnikova. - Bratislava : Institute of Experimental Pharmacology and Toxicology SAS, 2012, p. 161-175. ISBN 978-80-971042-0-7.

DRAFI, Frantisek - SYKORA, T. - KUNCIROVA, Viera - PONIST, Silvester - MIHALOVA, Danica - BAUEROVA, Katarina. Hyperbilirubinaemia decreases clinical and biochemical markers in adjuvant-induced arthritis. In *TOXCON 2012. Toxicology at the crossroad : 17th Intedisciplinary toxicological conference and Advanced toxicological cours. The High Tatras, Slovakia. Stara Lesna - hotel Academia, August 27-31, 2012. Programme and abstracts*, p. 32. *Interdisciplinary toxicology. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS*, 2012, vol. 5, suppl. 1, p. 32. ISSN 1337-6853.

DRAFI, Frantisek - BAUEROVA, Katarina - PONIST, Silvester - MIHALOVA, Danica - KUNCIROVA, Viera - BOLDYREV, A. - NOSAL, Radomir. Experimental treatment of the adjuvant-induced arthritis. In *Miniconference of doctoral students : abstract booklet. - Bratislava : IEPT SAS*, 2012, p. non pag.(Miniconference of doctoral students).

DRAFI, Frantisek - BAUEROVA, Katarina. Predklinicke a klinicke aspekty formulacie a pouzitia transdermalnych terapeutickych systemov. In *Ceska a Slovenska farmacie : casopis Ceske farmaceuticke spolocnosti a Slovenske farmaceuticke spolocnosti*, 2011, roc. 60, c. 6, s. 305-306. ISSN 1210-7816.

DRAFI, Frantisek. Nove pristupy ku kombinovanej farmakoterapii reumatoidnej artritidy hodnotene na zvieracom modeli : autoreferat dizertacnej prace na ziskanie akademickeho titulu philosophiae

doktor v studijnom odbore 7.3.2 Farmakologia. Martin, 2012. 20 s.

DRAFI, Frantisek. Nove pristupy ku kombinovanej farmakoterapii reumatoidnej artritidy hodnotene na zvieracom modeli : dizertacna praca. Skolitel: Katarina Bauerova, skolitel-spec.: Ladislav Soltes, oponenti: Svorad Stolic, Anna Strapkova, Ingrid Tumova. Martin, 2012. 163 s. Jesseniova lekarska fakulta v Martine, Univerzita Komenskeho, 28. 8. 2012, vedny odbor 7.3.2 Farmakologia.

DRAFI, Frantisek - BAUEROVA, Katarina - VALACHOVA, Katarina - PONIST, Silvester - MIHALOVA, Danica - JURANEK, Ivo - FEDOROVA, Tatiana - HRABAROVA, Eva - SOLTES, Ladislav. Karnozin inhibuje degradaci hyaluronanu indukovanu volnoradikalovymi procesmi in vitro a zlepšuje redoxnu nerovnovahu v adjuvantnej artritide in vivo : [Carnosine inhibits degradation of hyaluronan induced by free radical processes in vitro and improves the redox imbalance in adjuvant arthritis in vivo] = Carnosine inhibits degradation of hyaluronan induced by free radical processes in vitro and improves the redox imbalance in adjuvant arthritis in vivo. In Pokroky vo farmakologii v Slovenskej republike VI. Editori: Pavel Svec, Magdalena Kuzelova, Jan Kyselovic. - Bratislava : Univerzita Komenskeho v Bratislave, Farmaceuticka fakulta, 2011, s. 42-48. ISBN 978-80-223-3073-2.

PONIST, Silvester - BAUEROVA, Katarina - MIHALOVA, Danica - DRAFI, Frantisek - TRUNOVA, Olga - FEDOROVA, Tatiana - BOLDYREV, A. Carnosine, an antioxidant or more? Effect of carnosine on rat adjuvant arthritis, an auto-immune disease. In Lipid oxidation, human diseases and ageing: program and abstract book. Turin, Italy, June 16-18, 2010. - [Turin] : [University of Turin], 2010, p. P29.

VALACHOVA, Katarina - HRABAROVA, Eva - DRAFI, Frantisek - JURANEK, Ivo - BAUEROVA, Katarina - PRIESOLOVA, Elena - NAGY, Milan - SOLTES, Ladislav. Ascorbate and Cu(II)-induced oxidative degradation of high-molar-mass hyaluronan. Pro- and antioxidative effects of some thiols. In Neuroendocrinology Letters, 2010, vol. 31, suppl. 2, p. 101-104. (1.047 - IF2009). ISSN 0172-780X.

VALACHOVA, Katarina - HRABAROVA, Eva - DRAFI, Frantisek - JURANEK, Ivo - BAUEROVA, Katarina - SOLTES, Ladislav. Testing the protective effects of some disease-modifying anti-rheumatic drugs against the damage of a joint component - hyaluronan - induced by ascorbate plus Cu(II) under aerobic conditions. In Acta Medica (Hradec Kralove) : journal of Faculty of Medicine in Hradec Kralove, 2010, vol. 53, no. 3, p. 198-199. ISSN 1211-4286.

VALACHOVA, Katarina - HRABAROVA, Eva - DRAFI, Frantisek - JURANEK, Ivo - BAUEROVA, Katarina - NAGY, Milan - PRIESOLOVA, Elena - SOLTES, Ladislav. Ascorbate and Cu(II) induced oxidative degradation of high-molar-mass hyaluronan: pro- and antioxidative effects of some thiol xenobiotics and drugs. In TOXCON 2010 : borderless toxicology. 15th Interdisciplinary toxicological conference & advanced toxicological course. The High Tatras Slovakia, Stara Lesna - Hotel Academia, September 6-10, 2010. Dedicated to the memory of doyen of Czecho-Slovak pharmacology and toxicology Prof. Helena Raskova, MD., DSc. (1913 - 2010). Programme & Abstracts., p.A90. Interdisciplinary toxicology. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2010, vol. 3, no. 3, p. A90. ISSN 1337-6853.

VALACHOVA, Katarina - HRABAROVA, Eva - DRAFI, Frantisek - JURANEK, Ivo - BAUEROVA, Katarina - SOLTES, Ladislav. Testing the protective effects of thiols against the damage of a joint component - hyaluronan - by ascorbate plus Cu(II) under aerobic conditions. In Folia Medica Cassoviensia : odborný časopis pre lekarske, farmaceuticke a biologické vedy, 2010, tom. 65, no. 1, p. 50-51. ISSN 1337-7817.

ACQUAVIVA, Alessandra - DRAFI, Frantisek - VECCHIO, Daniela - PONIST, Silvester - AREZZINI, Beatrice - MIHALOVA, Danica - GARDI, Concetta - NOSAL, Radomir - BAUEROVA, Katarina. Pinosylin administered in monotherapy and in combination with methotrexate reduces oxidative stress in adjuvant arthritis rat model. In Second International Conference on Environmental Stressors in Biology and Medicine : october 5-7, 2011, Centro Didattico, Policlinico Le Scotte, Universita di Siena, Siena (Italy). - Siena : [University of Siena], 2011, p. 58.

BAUEROVA, Katarina - PONIST, Silvester - MIHALOVA, Danica - DRAFI, Frantisek - KUNCIROVA, Viera. Utilization of adjuvant arthritis model for evaluation of new approaches in rheumatoid arthritis therapy focused on regulation of immune processes and oxidative stress. In Interdisciplinary toxicology, 2011, vol. 4, no. 1, p. 33-39. ISSN 1337-6853.

KUNCIROVA, Viera - DRAFI, Frantisek - PONIST, Silvester - MIHALOVA, Danica - ONDREJICKOVA, Olga - FEDOROVA, Tatiana - BAUEROVA, Katarina. Improvement of standard anti-arthritic therapy with carnosine addition to methotrexate in rat adjuvant arthritis. In Second International Conference on Environmental Stressors in Biology and Medicine : october 5-7, 2011, Centro Didattico, Policlinico Le Scotte, Universita di Siena, Siena (Italy). - Siena : [University of Siena], 2011, p. 72.

PONIST, Silvester - DRAFI, Frantisek - KUNCIROVA, Viera - MIHALOVA, Danica - ONDREJICKOVA, Olga - TRUNOVA, Olga - FEDOROVA, Tatiana - BOLDYREV, A. - BAUEROVA, Katarina. Anti-inflammatory effect of carnosine on rat adjuvant arthritis. In Programme and abstract book : international congress on "Carnosine in exercise and disease". July 10-12, 2011, Ghent (Belgium). - [Ghent] : [Universiteit Gent], 2011, p. 41.

VALACHOVA, Katarina - VARGOVA, A. - RAPTA, Peter - HRABAROVA, Eva - DRAFI, Frantisek - BAUEROVA, Katarina - JURANEK, Ivo - SOLTES, Ladislav. Aurothiomalate as preventive and chain-breaking antioxidant in radical degradation of high-molar-mass hyaluronan. In Chemistry & biodiversity, 2011, vol. 8, no. 7, p. 1274-1283. (1.586 - IF2010). (2011 - Current Contents). ISSN 1612-1872.

VECCHIO, Daniela - ACQUAVIVA, Alessandra - AREZZINI, Beatrice - GARDI, Concetta - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - NOSAL, Radomir - BAUEROVA, Katarina. Activity of pinosylvin administered in monotherapy and in combination with methotrexate on the development of rat adjuvant arthritis. In 4eme Symposium International Nutrition, Biologie de l'Oxygene et Medecine : radicaux libres et vieillissement: des aspects fondamentaux aux applications cliniques. 15 - 17 Juin 2011, Paris, France. - Paris : Oxygen Club of California, 2011, p. P14.

BAUEROVA, Katarina - KUNCIROVA, Viera - DRAFI, Frantisek - MIHALOVA, Danica - PONIST, Silvester. Prepojenie procesov oxidacneho stresu a rozvoja zapalu zapojeneho do etiopatogenezy reumatoidnej artritidy [Oxidative stress and development of inflammation interconnection during etiopathogenesis of rheumatoid arthritis]. In Nove trendy vo farmakoterapii IV. : zbornik prac. Zostavovatelia: Sona Franova, Juraj Mokry. - Martin : Jesseniova lekarska fakulta UK, 2012, s. 28-38. ISBN 978-80-89544-32-5.

KUNCIROVA, Viera - DRAFI, Frantisek - PONIST, Silvester - MIHALOVA, Danica - ONDREJICKOVA, Olga - FEDOROVA, Tatiana - BAUEROVA, Katarina. Efekt pridavku karnozinu k metotrexatovej antiartritickej terapii : [Effect of carnosine addition to methotrexate anti-arthritic therapy]. In Pokroky vo farmakologii v Slovenskej republike VII. Editori: Pavel Svec, Magdalena Kuzelova, Jan Kyselovic. - Bratislava : Univerzita Komenskeho, Farmaceuticka fakulta, 2012, s. 50-56. ISBN 978-80-223-3271-2.

KUNCIROVA, Viera - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - NOSAL, Radomir - HARMATHA, Juraj - BAUEROVA, Katarina. Anti-arthritic effect of combination therapy of methotrexate and N-feruloylserotonin in experimental arthritis. In TOXCON 2012. Toxicology at the crossroad : 17th Interdisciplinary toxicological conference and Advanced toxicological cours. The High Tatras, Slovakia. Stara Lesna - hotel Academia, August 27-31, 2012. Programme and abstracts, p. 47. Interdisciplinary toxicology. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2012, vol. 5, suppl. 1, p. 47. ISSN 1337-6853.

KUNCIROVA, Viera - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - VOLPI, Nikola - BAUEROVA, Katarina. Evaluation of the effect of chondroitin sulfate on the induced arthritis in rats. In Miniconference of doctoral students : abstract booklet. - Bratislava : IEPT SAS, 2012, p. non pag.

MIHALOVA, Danica - BAUEROVA, Katarina - DRAFI, Frantisek - KUNCIROVA, Viera - PONIST, Silvester - FEDOROVA, Tatiana - HARMATHA, Juraj - NOSAL, Radomir. Hodnotenie latok s antioxidantnymi vlastnostami a antireumatika - metotrexatu studovana na modeli adjuvantnej artritidy. In 62. Farmakologicke dni : program a zbornik abstraktov. Kosice, 25. - 27. juna 2012. - Kosice : Equilibra, 2012, s. 64. ISBN 978-80-8143-020-6.

PONIST, Silvester - DRAFI, Frantisek - KUNCIROVA, Viera - MIHALOVA, Danica - RACKOVA, Lucia - ONDREJICKOVA, Olga - TRUNOVA, Olga - FEDOROVA, Tatiana - BAUEROVA, Katarina. Terapeuticky efekt karnozinu v experimentalnej artritide a jeho protektivny ucinok na primarnu bunkovu kulturu chondrocytov. In 62. Farmakologicke dni : program a zbornik abstraktov. Kosice, 25. - 27. juna 2012. - Kosice : Equilibra, 2012, s. 81. ISBN 978-80-8143-020-6.

VALACHOVA, Katarina - RAPTA, Peter - SLOVAKOVA, M. - PRIESOLOVA, Elena - NAGY, Milan - MISLOVICOVA, Danica - DRAFI, Frantisek - BAUEROVA, Katarina - SOLTES, Ladislav. Radical degradation of high-molar-mass hyaluronan induced by ascorbate plus cupric ions: testing of arbutin in the function of antioxidant : chapter 2. In Kinetics, catalysis and mechanism of chemical reactions. From pure to applied science : Volume 2: Tomorrow and perspectives. - New York : Nova Science Publishers, 2012, p. 11-27. ISBN 978-1-61470-712-7.

KUNCIROVA, Viera - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - DOBIASOVA, Marcela - BAUEROVA, Katarina. Latky ovplyvnujuce redoxnu rovnovahu v organizme hodnotene na modeli adjuvantnej artritidy = Substances affecting the redox balance in organism evaluated in adjuvant arthritis. In Kvetinuv den : mezioborovy seminar mladych farmakologu a toxikologu. - Brno :

Tribun EU, 2013, s. 15. ISBN 978-80-263-0374-9.

KUNCIROVA, Viera - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - DOBIASOVA, Marcela - TUMOVA, Ingrid - HARMATHA, Juraj - NOSAL, Radomir - BAUEROVA, Katarina.

Improvement of standard anti-arthritic therapy with N-feruloylserotonine addition to methotrexate in rat adjuvant arthritis. In Biomedical Papers, 2013, vol. 157, suppl. 1, p. S13. (0.990 - IF2012). ISSN 1213-8118.

KUNCIROVA, Viera - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - NOSAL, Radomir - BAUEROVA, Katarina. Evaluation of the effect of N-feruloylserotonine in the adjuvant arthritis model. In Miniconference of PhD. students : abstract booklet. - Bratislava : IEPT SAS, 2013, p. non pag.(VEGA c. 2/0045/11 : Studium kombinacie imunopresivnej liečby a ovplyvnenia redoxnej rovnovahy organizmu na zvieracich modeloch reumatoidnej artritidy. Miniconference of PhD. students).

PONIST, Silvester - KUNCIROVA, Viera - MIHALOVA, Danica - DRAFI, Frantisek - BAUEROVA, Katarina. New perspectives in the treatment of rheumatoid arthritis based on immunomodulators and antioxidants. In Military medical science letters : (Vojenske zdravotnicke listy), 2013, vol. 82, suppl. 1, p. 28. ISSN 0372-7025.

PONIST, Silvester - DRAFI, Frantisek - KUNCIROVA, Viera - MIHALOVA, Danica - BAUEROVA, Katarina. Nove perspektivy liečby reumatoidnej artritidy založene na použití imunomodulátorov a antioxidantov. In Interaktívna konferencia mladých vedcov : zborník abstraktov. - Banská Bystrica : Preveda, 2013, s. 55. ISBN 78-80-970712-4-0.

VALACHOVA, Katarina - RAPTA, Peter - SLOVAKOVA, M. - PRIESOLOVA, Elena - NAGY, Milan - MISLOVICOVA, Danica - DRAFI, Frantisek - BAUEROVA, Katarina - SOLTES, Ladislav. Radical degradation of high molar mass hyaluronan induced by ascorbate plus cupric ions: Testing of arbutin in the function of antioxidant. In Advances in kinetics and mechanism of chemical reactions. - Oakville ; Waretown : Apple Academic Press, 2013, p. 1-18. ISBN 978-1-926895-42-0.

BAUEROVA, Katarina - PONIST, Silvester - KUNCIROVA, Viera - DRAFI, Frantisek - MIHALOVA, Danica - PAULOVICOVA, Ema - VOLPI, Nikola. Effect of nonanimal high- and low-molecular-mass chondroitin sulfates produced by a biotechnological process in an animal model of polyarthritis. In Pharmacology : international journal of experimental and clinical pharmacology, 2014, vol. 94, no. 3-4, p. 109-114. (1.581 - IF2013). (2014 - Current Contents). ISSN 0031-7012.

KUNCIROVA, Viera - PONIST, Silvester - MIHALOVA, Danica - DRAFI, Frantisek - NOSAL, Radomir - ACQUAVIVA, Alessandra - GARDI, Concetta - HARMATHA, Juraj - HRADKOVA, Iveta - BAUEROVA, Katarina. N-feruloylserotonin in preventive combination therapy with methotrexate reduced inflammation in adjuvant arthritis. In Fundamental & Clinical Pharmacology, 2014, vol. 28, p. 616-626. (2.080 - IF2013). (2014 - Current Contents). ISSN 0767-3981.

KUNCIROVA, Viera - PONIST, Silvester - MIHALOVA, Danica - DRAFI, Frantisek - NOSAL, Radomir - ACQUAVIVA, Alessandra - GARDI, Concetta - HARMATHA, Juraj - SMIDRKAL, Jan - HRADKOVA, Iveta - BAUEROVA, Katarina. N-feruloylserotonin effect in monotherapy and in combination therapy with methotrexate on adjuvant arthritis in rats. In Third international conference on cellular environmental stressors in biology and medicine: focus on redox reactions : June 25-27, 2014. Polo Biochimico, Universita di Ferrara. - Ferrara : Universita di Ferrara, 2014, p. 79.

SLOVAK, Lukas - KUNCIROVA, Viera - GARDI, Concetta - ACQUAVIVA, Alessandra - RUSSO, Gian Luigi - TEDESCO, Idolo - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - BEZAKOVA, Lydia - TUMOVA, Ingrid - BAUEROVA, Katarina. Evaluation of the effect of quercetin in the model of adjuvant arthritis. In Third international conference on cellular environmental stressors in biology and medicine: focus on redox reactions : June 25-27, 2014. Polo Biochimico, Universita di Ferrara. - Ferrara : Universita di Ferrara, 2014, p. 96.

SLOVAK, Lukas - KUNCIROVA, Viera - GARDI, Concetta - AQUAVIVA, Alessandra - RUSSO, Gian Luigi - TEDESCO, Idolo - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - BEZAKOVA, Lydia - TUMOVA, Ingrid - BAUEROVA, Katarina. Anti-inflammatory and antioxidant effect of quercetin in the model of adjuvant arthritis. In Miniconference of PhD. students 2014 : abstract booklet. - Bratislava : Institute of Experimental Pharmacology & Toxicology, 2014, non-pag.(Miniconference of PhD. students 2014).

BAUEROVA, Katarina - DRAFI, Frantisek - KUNCIROVA, Viera - PONIST, Silvester - MIHALOVA, Danica - BABAL, Pavel - SYKORA, T. Hyperbilirubinemia decreases physiological markers in adjuvant-induced arthritis. In Physiological Research, 2015, vol. 64, suppl. 4, p. S459-S466. (1.293 - IF2014). (2015 - Current Contents). ISSN 0862-8408.

BAUEROVA, Katarina - ACQUAVIVA, Alessandra - PONIST, Silvester - GARDI, Concetta - VECCHIO, Daniela - DRAFI, Frantisek - AREZZINI, Beatrice - BEZAKOVA, Lydia - KUNCIROVA, Viera - MIHALOVA, Danica - NOSAL, Radomir. Markers of inflammation and oxidative stress

studied in adjuvant-induced arthritis in the rat on systemic and local level affected by pinosylvin and methotrexate and their combination. In *Autoimmunity*, 2015, vol. 48, no. 1, p. 46-56. (2.714 - IF2014). (2015 - Current Contents). ISSN 0891-6934.

BAUEROVA, Katarina - DRAFI, Frantisek - KUNCIROVA, Viera - PONIST, Silvester - MIHALOVA, Danica - BABAL, Pavel - SYKORA, T. Hyperbilirubinaemia decreases physiological markers in the adjuvant-induced arthritis. In *65. Cesko-slovenske farmakologicke dny : sbornik abstraktu*. - Praha : Farmakologicky ustav 1.LF UK a VFN, 2015, s. 14. ISBN 978-80-260-8027-5.

BAUEROVA, Katarina - KUNCIROVA, Viera - GARDI, Concetta - MIHALOVA, Danica - DRAFI, Frantisek - PONIST, Silvester - VECCHIO, Daniela - NOSAL, Radomir. Two polyphenolic molecules evaluated as potential innovative therapy of rheumatoid arthritis. In *9th World Congress on Polyphenols Applications : ISANH*. - Malta : ISANH, 2015, p. 98. ISBN 978-2-35609-073-7.

GARDI, Concetta - BAUEROVA, Katarina - STRINGA, Blerta - KUNCIROVA, Viera - SLOVAK, Lukas - PONIST, Silvester - DRAFI, Frantisek - BEZAKOVA, Lydia - TEDESCO, Idolo - ACQUAVIVA, Alessandra - BILOTTO, Stefania - RUSSO, Gian Luigi. Quercetin reduced inflammation and increased antioxidant defense in rat adjuvant arthritis. In *Archives of Biochemistry and Biophysics*, 2015, vol. 583, p. 150-157. (3.017 - IF2014). (2015 - Current Contents). ISSN 0003-9861.

STRINGA, Blerta - BAUEROVA, Katarina - SLOVAK, Lukas - KUNCIROVA, Viera - PONIST, Silvester - DRAFI, Frantisek - BEZAKOVA, Lydia - TEDESCO, Idolo - RUSSO, Gian Luigi - GARDI, Concetta. Antiinflammatory and antioxidative effect of quercetin on rat adjuvant arthritis. In *OCC 2015. Oxygen Club of California World Congress. Oxidants and Antioxidants in Biology : book of abstracts*. - Valencia : OCC, 2015, p. 126.

PONIST, Silvester - SLOVAK, Lukas - FEDOROVA, Tatiana - DRAFI, Frantisek - RACKOVA, Lucia - VALACHOVA, Katarina - BAUEROVA, Katarina. Protective effects of carnosine and its derivative trolox-carnosine against inflammation and oxidative stress in experimental arthritis, carrageenan induced hind paw edema, chondrocytes under H₂O₂ injury and degradation of hyaluronan : chapter 5. In *Carnosine : physiological effects and research insights*. - New York : Nova Science Publisher, 2016, p. 159-191. ISBN 978-1-53610-153-9.

PONIST, Silvester - DRAFI, Frantisek - KUNCIROVA, Viera - MIHALOVA, Danica - RACKOVA, Lucia - DANISOVIC, Lubos - ONDREJICKOVA, Olga - TUMOVA, Ingrid - TRUNOVA, Olga - FEDOROVA, Tatiana - BAUEROVA, Katarina. Effect of carnosine in experimental arthritis and on primary culture chondrocytes. In *Oxidative medicine and cellular longevity*, 2016, vol. 2016, article ID 8470589, 11 p. (4.492 - IF2015). ISSN 1942-0900.

BAUEROVA, Katarina - PAULOVICOVA, Ema - MIHALOVA, Danica - DRAFI, Frantisek - STROSOVA, Miriam - MASCIA, Cinzia - BIASI, Fiorella - ROVENSKY, Jozef - KUCHARSKA, Jarmila - GVOZDJAKOVA, Anna - PONIST, Silvester. Combined methotrexate and coenzyme Q10 therapy in adjuvant-induced arthritis evaluated using parameters of inflammation and oxidative stress. In *Acta Biochimica Polonica*, 2010, vol. 57, no. 3, p. 347-354. (1.262 - IF2009). (2010 - Current Contents). ISSN 0001-527X.

BAUEROVA, Katarina - PONIST, Silvester - PAULOVICOVA, Ema - MIHALOVA, Danica - NOSAL, Radomir - DRABIKOVA, Katarina - JANCINOVA, Viera - DRAFI, Frantisek - GVOZDJAKOVA, Anna - VANKO, Marian - BEZAKOVA, Lydia - SIGNORINI, C. - GARDI, Concetta - BIASI, Fiorella - STANCIKOVA, Maria - ROVENSKY, Jozef. The role of redox imbalance in relation to immunological processes in adjuvant arthritis. In *Interactions of the immune and skeletal systems : 3rd International conference on osteoimmunology*. June 20-25, 2010, Fira, Santorini, Greece. - Fira : Nomikos Conference Center, 2010, p. 68-69.

BAUEROVA, Katarina - PONIST, Silvester - MIHALOVA, Danica - ONDREJICKOVA, Olga - STROSOVA, Miriam - DRAFI, Frantisek - PAULOVICOVA, Ema. Comparison of the effect of pycnogenol and vitamin E in two rat models of arthritis. In *Lipid oxidation, human diseases and aging : program and abstract book*. Turin, Italy, June 16-18, 2010. - [Turin] : [University of Turin], 2010, p. P3.

BAUEROVA, Katarina - PONIST, Silvester - DRAFI, Frantisek - MIHALOVA, Danica - PAULOVICOVA, Ema - JANCINOVA, Viera - NOSAL, Radomir. Study of combination of pinosilvin and methotrexate in the model of adjuvant arthritis: beneficial effect on clinical and non-clinical parameters. In *TOXCON 2010 : borderless toxicology. 15th Interdisciplinary toxicological conference & advanced toxicological course. The High Tatras Slovakia, Stara Lesna - Hotel Academia*, September 6-10, 2010. Dedicated to the memory of doyen of Czecho-Slovak pharmacology and toxicology Prof. Helena Raskova, MD., DSc. (1913 - 2010). Programme & Abstracts., p. A32 - A33. *Interdisciplinary toxicology*. - Bratislava : Slovak Toxicology Society SETOX : Institute of Experimental Pharmacology and Toxicology SAS, 2010, vol. 3, no.3, p. A32 - A33. ISSN 1337-6853.

Publication in the field of experimental diabetes (incl. abstracts):

DRAFI, Frantisek. Ucinok pyknogenolu a jeho frakcii na enos a kaveolin-1 v srdci streptozotocinom indukovaného diabetu u potkanov : rigorozna praca. Skolitel/konzultant: Kuzelova Magdalena; oponent: Racanska Eva. Bratislava, 2011. 75 s. Farmaceuticka fakulta UK Bratislava, 15. 6. 2011, studijny program: Farmacia.

DRAFI, Frantisek - JANKYOVA, Stanislava - MATYAS, Stefan. Vplyv pyknogenolu na expresiu GP91(PHOX) a kaveolinu-1 v aorte diabetickych potkanov = Effect of pycnogenol on expression of GP91(PHOX) and caveolin-1 in the aorta of diabetic rats. In Pokroky vo farmakologii v Slovenskej republike 5. Editori: Pavel Svec, Jan Kyselovic, Magdalena Kuzelova. - Bratislava : Farmaceuticka fakulta UK, 2010, s. 92 - 98. ISBN 978-80-223-2883-8.

DRAFI, Frantisek - JANKYOVA, Stanislava - NOVAK, Marcel - MATYAS, Stefan. Effect of pycnogenol and its fractions in experimental diabetes on chosen molecular parameters. In Acta Medica (Hradec Kralove) : journal of Faculty of Medicine in Hradec Kralove, 2010, vol. 53, no. 3, p.169-170. ISSN 1211-4286.

DRAFI, Frantisek - NOVAK, Marcel - JANKYOVA, Stanislava - MATYAS, Stefan. Effects of treatment with Pycnogenol fractions on molecular parameters in diabetic rats. In Acta Medica (Hradec Kralove) : journal of Faculty of Medicine in Hradec Kralove, 2010, vol. 53, no. 3, p. 170. ISSN 1211-4286.

JANKYOVA, Stanislava - DRAFI, Frantisek - AMMEROVA, E. - RACANSKA, Eva. Porovnanie vplyvu novosyntetizovanej latky a antioxidantu Pycnogenolu(R) na kardiovaskularne funkcie. In Kardiologia : oficialny casopis Slovenskej kardiologickej spolocnosti a Slovenskej hypertenziologickej spolocnosti, 2009. ISSN 1210-0048

JANKYOVA, Stanislava - DRAFI, Frantisek - NAVAROVA, Jana - KYSELOVA, Zuzana - MATYAS, Stefan - RACANSKA, Eva. Hodnotenie ucinnosti frakcii Pycnogenolu(R) na diabeticke komplikacie. In Farmakologia 2009. : zbornik prac. 59. Farmakologicke dni. 2. - 4. september 2009. - Bratislava : Univerzita Komenskeho, 2009, p.79. ISBN 978-80-223-2708-4.

DROBNA, Veronika - FEDORSOVA, Veronika - SLAZNEVA, Jana - DRAFI, Frantisek - NAVAROVA, Jana - KYSELOVA, Zuzana - JANKYOVA, Stanislava. Polyfenolove zluceniny a ich vplyv na oxidacny stres v diabetes mellitus. In Aktuality sucasneho biomedicinskeho vyskumu V. Editori: Daniel Bohmer, Lubos Danisovic. - Bratislava : Asklepios, 2010, s. 3-7. ISBN 978-80-7167-155-8.

DROBNA, Veronika - DRAFI, Frantisek - JANKYOVA, Stanislava. Vplyv polyfenolov na kardiovaskularne poskodenie pri diabetes mellitus : [Influence of polyphenols on cardiovascular damage in diabetes mellitus] = Influence of polyphenols on cardiovascular damage in diabetes mellitus. In Pokroky vo farmakologii v Slovenskej republike VI. Editori: Pavel Svec, Magdalena Kuzelova, Jan Kyselovic. - Bratislava : Univerzita Komenskeho v Bratislave, Farmaceuticka fakulta, 2011, s. 15 - 19. ISBN 978-80-223-3073-2.

Publication in the field of experimental oncology (incl. abstracts):

Kratochvilova K, Horak P, Esner M, Soucek K, Pils D, Anees M, Tomasich E, DRAFI F, Jurtikova V, Hampl A, Krainer M, Vanhara P. Tumor suppressor candidate 3 (TUSC3) prevents the epithelial-to-mesenchymal transition and inhibits tumor growth by modulating the endoplasmic reticulum stress response in ovarian cancer cells. *Int J Cancer*. 2015 Sep 15;137(6):1330-40.

Jirik R, Soucek K, Mezl M, Bartos M, Drazanova E, DRAFI F, Grossova L, Kratochvila J, Macicek O, Nylund K, Hampl A, Gilja OH, Taxt T, Starcuk Z Jr. Blind deconvolution in dynamic contrast-enhanced MRI and ultrasound. *Conf Proc IEEE Eng Med Biol Soc*. 2014;2014:4276-9.

Projects

- VEGA2/0091/23, The contribution of new nano-carrier drug delivery systems to the enhancement of the anti-inflammatory effect of D-limonene, phellandrene, isoborneol and chrysophanol studied in vivo (2023-2026), principal investigator.

-APVV-SK-PT-18-0022 (bilateral Slovak - Portugal, 2019-2021), member.

-VEGA2/0136/20 "NOVE PRISTUPY K LIECBE KACHEXIE, ZAPALU A OXIDACNEHO STRESU V EXPERIMENTALNEJ ARTRITIDE: UCINOK ROZNYCH RASTLINNYCH EXTRAKTOV Z OLIVOVYCH LISTOV, RHODIOLA ROSEA, TRIBULUS TERRESTRIS A EXTRA PANENSKÉHO OLIVOVEHO OLEJA" (2019-2021), member.

-APVV-15-0308: Molecular-pharmacological approaches to innovative therapy of rheumatoid arthritis evaluated under experimental conditions in vivo and in vitro (2015-2020), member.

-VEGA no. 2/0044/15: Investigation of influencing inflammation, chronic autoimmune reaction and redox regulation of the organism in experimental arthritis using new substances for adjuvant therapy

of rheumatoid arthritis. (2015-2018), member.

-VEGA no. 2/0045/11: Study of combination of immunosuppressive treatment and substances affecting redox balance of organism on animal models of rheumatoid arthritis, member.

-SAV-CNR: Evaluation of Quercetin and Green Tea in combination with Methotrexate for arthritis therapy, member.

Memberships

Slovak Chamber of Pharmacy (since 2010).

The Slovak Toxicology Society (further only SETOX; since 2021).

Other Relevant Information

In summary, my h-index reached the value of $h = 11$ (according to Scopus.com in 2022), the number of citations as the first and co-author articles is more than 360 (according to Scopus.com in 2022).

I am currently a principal investigator for the national VEGA project (No.: 2/0091/23) and a member of the research team of ongoing national research projects funded by VEGA and APVV in the academic sector of Slovakia. All projects are government-funded only.