EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

Curriculum Vitae

Personal information

Antonio Jose Almeida

Work experience

1. Employer: Universidade de Lisboa, Faculdade de Farmácia
   - Start date: March 1988
   - End date: current
   - Position: Full Professor
   - Activities: Teaching at pregraduate and postgraduate levels; Research in pharmaceutical technology, protein and antigen delivery, and nanomedicines
   - Country: Portugal

Education and training

1. Subject: Pharmaceutical Sciences
   - Start date: July 2005
   - End date: July 2005
   - Qualification: Habilitation
   - Organisation: Faculty of Pharmacy, University of Lisbon
   - Country: Portugal
2. Subject: Pharmaceutical Technology
   - Start date: September 1990
   - End date: November 1993
   - Qualification: PhD
   - Organisation: Aston University, Birmingham
   - Country: United Kingdom
3. Subject: Pharmacy
   - Start date: August 1987
   - End date: current
   - Qualification: Qualified Pharmacst
   - Organisation: Portuguese Pharmaceutical Society (Ordem dos Farmacêuticos)
   - Country: Portugal
4. Subject: Pharmaceutical Sciences
   - Start date: October 1981
   - End date: July 1987
   - Qualification: Degree in Pharmaceutical Sciences (Industrial Pharmacy)
   - Organisation: Faculty of Pharmacy, University of Lisbon
   - Country: Portugal

Additional information

Publications

BOOK

- Vitorino C, Sousa JJ, Almeida AJ, Miranda M (2023). *Time-proof Perspectives on Bioequivalence*. Nova Science publishers. ISBN: 979-8-88697-604-5. Doi: http://dx.doi.org/10.52305/wknm2164.

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- Gaspar D, Peres C, Florindo H, Almeida AJ (2016). Mucosal immunization using polyester_based particulate systems. In: Ravi Kumar MNV (ed), *Handbook of Polyester Drug Delivery Systems.* Pan

Stanford Publishing Pte. Ltd., Singapore (ISBN: 978_9814669658), pp 521-561.
- Marto J, Jorge I, Almeida AJ, Ribeiro HM (2016). Novel starch_derived topical delivery systems. In: Ascenso A, Ribeiro, H, Simões S (eds), *Carrier-Mediated Dermal Delivery: Applications in the Prevention and Treatment of Skin Disorders*. Pan Stanford Publishing Pte Ltd., Singapore (ISBN: 9789814745581), pp 175-217.
- Vitorino C, Almeida AJ (2016). Solid lipid nanoparticles (SLN) and nanostructured lipid carriers (NLC) as topical delivery systems for antioxidants. In: Ascenso A, Ribeiro, H, Simões S (eds), *Carrier-Mediated Dermal Delivery: Applications in the Prevention and Treatment of Skin Disorders*. Pan Stanford Publishing Pte Ltd., Singapore (ISBN: 9789814745581), pp 217-263.
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- Mota AH, Santos_Rebelo A, Almeida AJ, Reis CP (2021). Therapeutic implications of nanopharmaceuticals in skin delivery. In: Yata V, Ranjan S, Dasgupta N, Lichtfouse E (eds), *Nanopharmaceuticals: Principles and Applications*, Springer, Cham. (ISBN: 978_3-030-44924-7), Vol 1, pp 205-272.
- Ascenso A, Simões S, Marto J, Ribeiro HM, Almeida AJ (2021). Colloidal disperse systems: microemulsions and nanoemulsions. In: Eloy JO, Abriata JP, Marchetti JM (eds.), *Nanocarriers for Drug Delivery. Nanomedicine and Nanotechnology*. Springer, Cham. (ISBN 978-3-030-63388-2) pp 73-81.

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Projects

PATENTS

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- Rodrigues MA, Almeida AJ, Gonçalves LMD, Padrela L, Matos H, Gomes de Azevedo E. (2013). Vaccine against strangles of the equidae, Portuguese Patent nº 106184. Application number PCT/PT2013/000012 (01/03/2013). Publication number WO2013129953 A1 (06/09/2013).
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PARTICIPATION IN RESEARCH PROJECTS

- Desenvolvimento de novas formas farmacêuticas de libertação prolongada. PEDIP II (1995_1997). Coordinator. Desenvolvimento de uma vacina contra a gurma dos equídeos. SINDEPEDIP (1997-2000).

Coordinator.
- Sistemas transportadores para diagnóstico e terapêutica imageológicos associados à circulação linfática pulmonar. FCT-Praxis XXI 2/2.1/SAU/1305/95 (1997-2000). Participant.
- Produção, caracterização e estudos de libertação de produtos farmacêuticos encapsulados usando fluidos supercríticos. FCT-POCTI/1999/EQU/34961 (2001-2004). Participant.
- Therapeutic systems for the treatment of mycobacterial infections. FCT-POCTI/FCB/36416/99 (2002-2006). Participant.
- New approach on the development of an efficient vaccine against streptococcal infection by modulating the conditions of expression, production, purification and formulation. FCT-POCI/BIO/59147/2004; PPCDT/BIO/59147/2004 (2005-2008). Coordinator.
- Protein Microencapsulation using supercritical fluids. FCT-POCI/EQU/55911/2004; PPCDT/EQU/55911/2004 (2005_2008). Participant.
- Integrated methodologies for the development of bi and three-valent DNA-vaccines against *Helycobacter pylory*. FCT_PTDC/BIO/69242/2006 (2007-2010). Participant.
- Controlled freezing to improve the stability and delivery of therapeutic proteins. FCT-PTDC/EQU-EQU/104318/2008 (2010-2013). Participant.
- The use of nanobiomaterials for structural and funcional protection of human phenylalanine hydroxylase: towards a new approach to phenylketonuria treatment. FCT-PTDC/EBB_BIO/101237/2008 (2010-2013). Coordinator.
- A challenge for the treatment of parasitic diseases: rational design of Trifluralin derivatives and appropriate nanoformulations. FCT-PTDC/CVT/098290/2008 (2010-013). Participant.
- Polinanobiofilm: Polymeric therapeutic nanoparticles containing an antimicrobial agent: new opportunities for the development of anti-biofilm agents to treat prostetic joint infections. FCT-EXCL/CTMNAN/0166/2012 (2012-2015). Participant.
- Fighting TB: Development of microparticulate systems to target alveolar macrophages in tuberculosis therapy. FCT_PTDC/DTP-FTO/0094/2012 (2012-2015). Participant.
- Dualbiosome – Estratégia nanotecnológica para o tratamento de infecções pulmonares crónicas em doentes com fibrose quística. Financiado pelo Programa Gilead Génese (PGG/029/2013). Coordinator.
- Human phenylalanine hydroxylase and nanobiomaterials: a novel enzyme reposition therapy approach to PKU. National PKU Alliance (USA). Co-coordinator.
- LungShield: Medical Device for NBQr defence. Ministério da Defesa (CINAMIL 02-2018). Coordinator.
- Dual nanostructured lipid carriers as a multifunctional platform for brain tumor therapy. FCT (PTDC/CTM_NAN/2658/2014). Participant.
- ProtCrop4Health: Novos co formulantes verdes para o desenvolvimento de produtos fitofarmacêuticos promotores de uma agricultura sustentável e da melhoria da saúde humana. Programa Operacional Regional de Lisboa (LISBOA-01-0247-FEDER-024016). Participant.
- Manipulation of lysosomal cathepsins and their inhibitors cystatins in human macrophages as a host directed therapeutic strategy for tuberculosis and co-infection with HIV. FCT-PTDC/SAU-INF/28182/2017 (2018-2021). Participant.
- *Sea4CS: Desenvolvimento de microencapsulados com biopolímeros de origem marinha. Programa Operacional Regional de Lisboa (LISBOA-01-0247-FEDER-045208), (2020-2022). Participant.*
- Medinfar 2020: Desenvolvimento de uma formulação inovadora para aplicação tópica de Minoxidil, previamente encapsulado em sistemas coloidais de base lipídica. Programa Operacional Regional de Lisboa (LISBOA-01-0247-FEDER-045290), 2020-2022. Participant.
- Vax2Muc – Next generation vaccines against gastrointestinal mucosal pathogens, using *Helicobacter pylori* as model pathogen. HORIZON EUROPE Health. Investigador Principal. Grant Agreement N°101080486 (2023-2028).

Memberships

OTHER POSITIONS

- Member of the Steering Committee, Laboratório Nacional de Medicamentos (National Laboratory for Medicines), Portugal, since 2022.
- Head of the Faculty's Scientific Board, University of Lisbon, Faculty of Pharmacy, Portugal, since 2018.
- Senator of the University of Lisbon, Portugal, since 2018.
- Head of the *Advanced Technologies for Drug Delivery* (@DD) research group, Research Institute for Medicines (*i*Med.ULisboa), Univ. Lisbon (https://imed.ulisboa.pt/labs/antonio-almeida-lab/), since 2011.
- Visiting Professor of the doctoral programme, Faculty of Pharmacy, Univ. Seville, Spain, since 2007.
- Visiting Professor at: Faculty of Pharmacy, Univ. Navarra, Pamplona, Spain (2007); Fac. Pharmacy, Univ. Florence, Italy (2008); Fac. Pharmacy, Univ. Santiago de Compostela, Spain (2008 and 2012).
- Quality Expert of the Committee for Human Medicines Evaluation at the Portuguese National Authority of Medicines and Health Products (INFARMED), since 1996.
- Visiting Scientist at the Freie Universität Berlin, Institut für Pharmazie, Berlim, Germany, 1995-1996.

EDITORIAL BOARDS

- Member of the editorial board of *Journal of Biomedical Nanotechnology* (since 2007); *Journal of Drug Delivery Science and Technology* (since 2008); *Journal of Microencapsulation* (since 2010); *AAPSPharmSciTech* (since 2016); *Pharmaceutics* (since 2020).

HONOURS AND AWARDS

- IPSEN Award – Innovation for Patient Care, IPSEN Portugal and Portuguese Association of Hospital Pharmacists, 2023.
- World's Top 2% Scientists, J. Baas, K. Boyack e J. P.A. Ioannidis, University of Stanford, 2022. https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/5., 2022, 2023, 2024.
- Best Paper Award 2019 - Silva MM et al. Marine Drugs. doi:10.3390/md15120370. 2020.
- Scientific Award "Prof. Aluísio Marques Leal", Portuguese Association of Hospital Pharmacists, 2019.
- Dor-Bene Farmacêutica Award – Best scientific clinical project, 2016.
- Grunenthal/ASTOR Award, Grunenthal Foundation, 2015.
- Military Commendation for Distinguished Service, Military Laboratory, Portuguese Army, 1989.

Other Relevant Information