



Curriculum Vitae

Maria Manuela de Jesus Guilherme Gaspar

Maria Manuela de Jesus Guilherme Gaspar is a Researcher at the Faculty of Pharmacy, Universidade de Lisboa, member of the Research Institute for Medicines, iMed.Ulisboa since January 2009 and, collaborator at Instituto de Biofísica e Engenharia Biomédica (IBEB), Faculty of Sciences, Universidade de Lisboa since december 2023. She completed the graduation in Engenharia Química Industrial in 1991, at Instituto Superior de Engenharia de Lisboa. She obtained her PhD degree in 2005 in Pharmacy, Pharmaceutical Technology, Universidade de Lisboa with the thesis entitled "Liposomal formulations of Rifabutin and Acylated Superoxide Dismutase". Between october 2007 - october 2008 she was a post-doc at School of Pharmacy and Pharmaceutical Sciences, Trinity College, University Dublin, Ireland. In the last decades, the research has been focused on design, development and biological evaluation of drug delivery systems for improving the therapeutic index of incorporated molecules for the treatment of infectious, inflammatory and cancer diseases. Design and characterization of appropriated delivery systems, of lipid and polymeric nature, for different routes of administration namely pulmonary, intranasal, parenteral and oral. In vitro and in vivo evaluation of low and high molecular weight molecules namely antibiotics (rifabutin, paramomycin) and enzymes (L-Asparaginase, Superoxide Dismutase). In vitro and in vivo screening of new synthesized molecules including metal-based complexes with potential antitumor activity. Establishment of appropriate infectious and cancer murine models, such as M. avium, M. tuberculosis, leishmania, MRSA, melanoma, breast and colon cancer, for evaluating the therapeutic effect of developed nanoformulations. She has participated in more than 30 research projects as team member or as PI. She has been supervising PhD, master and undergraduate students. She is co-author of more than 110 articles in journals (Indexed Scopus), book chapters (8) and patents (h-index 34). She is responsible for the animal facilities (since 2009) and member of the welfare organ of the Faculty of Pharmacy since 2011. In addition, she also belongs to governing bodies of the Portuguese Society for Laboratory Animal Science.

Identification

Personal identification

Full name

Maria Manuela de Jesus Guilherme Gaspar

Gender

Female

Birth date

1961/03/24

Citation names

Gaspar, Maria Manuela

Author identifiers

Ciência ID

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Websites

www.ff.ul.pt; <http://imed.ulisboa.pt/cv/maria-manuela-de-jesus-guilherme-gaspar/> (Professional)

Knowledge fields

Medical and Health Sciences - Basic Medicine - Pharmacology and pharmacy

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
English	Upper intermediate (B2)	Advanced (C1)	Advanced (C1)	Advanced (C1)	
French	Intermediate (B1)	Intermediate (B1)	Beginner (A1)	Intermediate (B1)	

Education

	Degree	Classification
2007 - 2008/10/09 Concluded	Development of Novel Therapeutics for Lung Cancer (Pós-doutoramento) Trinity College Dublin School of Pharmacy and Pharmaceutical Sciences, Ireland	
2005/02/17 Concluded	Pharmacy, Pharmaceutical Technology (Doutoramento) Universidade de Lisboa Faculdade de Farmácia, Portugal <i>"Liposomal Formulations of rifabutin and acylated superoxide Dismutase" (THESIS/DISSERTATION)</i>	Summa cum laude

1991 Concluded	Engenharia Química Industrial (Licenciatura)	treze valores
Instituto Politécnico de Lisboa Instituto Superior de Engenharia de Lisboa, Portugal <i>"not applicable" (THESIS/DISSERTATION)</i>		

Affiliation

Science

	Category Host institution/organization	Employer
2009/01/01 - Current	Auxiliary Researcher (Research)	Universidade de Lisboa Faculdade de Farmácia, Portugal
2005/02/17 - 2008/12/31	Auxiliary Researcher (Research)	Instituto Nacional de Engenharia Tecnologia e Inovação, Portugal
1997/03 - 2005/02/16	Research Assistant (Research)	Instituto Nacional de Engenharia Tecnologia e Inovação, Portugal

Positions / Appointments

	Category Host institution/organization	Employer
2007/10/01 - 2008/10/06	Post-doc	Trinity College Dublin School of Pharmacy and Pharmaceutical Sciences, Ireland

Others

	Category Host institution/organization	Employer
1992/05 - 1997/03	Superior Technician	Instituto Nacional de Engenharia Tecnologia e Inovação, Portugal

1985/12/20 - 1992/05

Laboratory Technician

Laboratório de Energia, Portugal

Laboratório Nacional de Energia e Geologia - Campus do Lumiar, Portugal

Projects

Contract

	Designation	Funders
2021/04/01 - 2025/03/31	Rifabutin liposomes: a novel nanotechnological strategy for effective treatment of systemic methicilin-resistant staphylococcus aureus infections Phospholipid Research Center Principal investigator Universidade de Lisboa Faculdade de Farmácia, Portugal	Ongoing
2021/03/01 - 2025/03/30	Novel nanoplatfoms for targeting melanoma with 8-hydroxyquinoline metal complexes, PTDC/QUI-QIN/0586/2020. PTDC/QUI-QIN/0586/2020 Researcher Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Ongoing
2023 - 2025	Ferrous Iron-Activable Drug Conjugates: Targeting Iron Metabolism in the Era of Precision Oncology 2022.07857.PTDC Researcher Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Ongoing
2022 - 2025	Improving the efficacy of cancer treatments while reducing their toxicity LCF/TR/CI22/52660003 Researcher	Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal Ongoing
2022/07/01 - 2024/06/01	Analyzing NeuroImmune dysregulation in Alzheimer´s disease toward a Therapy with miRNA-loaded Exosomes PTDC/MED-NEU/2382/2021 Researcher Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal	Fundação para a Ciência e a Tecnologia, Portugal Ongoing

2020/01/01 - 2023/12/31	<p>Biomorphic platforms for the pulmonary delivery of nanotherapeutics Proposal PID2019-105739GB-I00, BMC</p> <p>Researcher Universidade de Lisboa Faculdade de Farmácia, Portugal</p>	Ongoing
2022/03/01 - 2023/06/30	<p>Proof of concept for biological activity of cannabinoids and terpenes - cosmetic applications Exmceuticals</p> <p>Researcher Universidade de Lisboa Faculdade de Farmácia, Portugal</p>	Ongoing
2018/10 - 2022/09	<p>Uma nova abordagem na obtenção de fármacos activos contra a tuberculose. Co-fármacos activados por esterases micobacterianas 28080/2017</p> <p>Researcher Universidade de Lisboa Faculdade de Farmácia, Portugal</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>
2018/10 - 2022/09	<p>Manipulation of lysosomal cathepsins and their inhibitors cystatins in human macrophages as a host directed therapeutic strategy for tuberculosis and co-infection with HIV 28182/2017</p> <p>Researcher</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>
2018/10 - 2022/09	<p>Phage-Enzybiotic : dealing with critical pathogenic antibiotic-resistant bacteria 28978/2017</p> <p>Researcher Universidade de Lisboa Faculdade de Farmácia, Portugal</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>
2018/10 - 2022/09	<p>Targeting aquaporin-3 as a novel therapeutic approach for skin cancer 28977/2017</p> <p>Researcher Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>
2018/09 - 2022/08	<p>Exploring a novel chemical tool to unveil new therapies and molecular targets for tuberculosis FEDER/FRN e OE / 30266/2017</p> <p>Researcher</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>

2018/08 - 2022/07	<p>Novel upconversion nanoparticles for multimodal therapy of melanoma: pHOtothermal Therapy, PhOtodynamic therapy and chemoTherapy POCI-01-0145-FEDER-031794 /2017</p> <p>Researcher</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>
2018/10 - 2022/06	<p>Nanoformulated Hybrid Molecules For Specific Targeting Melanoma Metastasis PTDC/MED-QUI/31721/2017</p> <p>Principal investigator</p> <p>Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Ongoing</p>
2019/10 - 2022/05	<p>LYMPHOTARGET - Desenvolvimento de imunolipossomas para o tratamento direcionado do Linfoma não-Hodgkin, PGG/050/2019</p> <p>Researcher</p> <p>Universidade de Lisboa Faculdade de Medicina Veterinária, Portugal</p>	<p>Gilead Sciences Lda, Portugal</p> <p>Ongoing</p>
2015/01 - 2018/12	<p>Research Institute for Medicines, iMed.Ulisboa UID/DTP/04138/2013</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p>
2013/04 - 2015/12	<p>Fighting TB: Development of microparticulate systems to target alveolar macrophages in tuberculosis therapy Provided by PTCRIS: 124096</p> <p>Researcher</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2012/03 - 2015/12	<p>Helicobacter pylori phages: translating an underestimated phenomenon into a therapeutic application Provided by PTCRIS: 119860</p> <p>Researcher</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2014/03 - 2015/09	<p>Priming of Mesenchymal Stromal Cells from the Umbilical Cord Tissue (UCX®) as a Means of Incrementing Their Therapeutic Potency for Rheumatoid Arthritis Provided by PTCRIS: 133330</p> <p>Researcher</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>

2013/07 - 2014/12	<p>Cutaneous leishmaniasis: an innovative idea to explore the topical treatment of skin lesions</p> <p>Provided by PTCRIS: 127814</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2010/04 - 2013/12	<p>A new life for old antimycobacterial drugs: development of prodrugs of pyrazinoic acid activated by mycobacterial esterases as a way to circumvent resistance to pyrazinamide</p> <p>Provided by PTCRIS: 101950</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2010/05 - 2013/10	<p>Development of new polymer-liposome complexes combining experimental and computational approaches</p> <p>Provided by PTCRIS: 99226</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2010/03 - 2013/08	<p>A challenge for the treatment of parasitic diseases: rational design of Trifluralin derivatives and appropriate nanoformulations</p> <p>Provided by PTCRIS: 98290</p> <p>Provided by PTCRIS: 98733</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2007/01 - 2009/12	<p>Strategies to improve the therapeutic effect of antimycobacterial drugs</p> <p>Provided by PTCRIS: 82498</p> <p>Provided by PTCRIS: 58355</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2002/01 - 2005/12	<p>Therapeutic systems for treatment of mycobacterial infections</p> <p>POCTI/FCB/36416/99</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>
2002/01 - 2005/12	<p>Superoxide dismutase enzymosomes for treatment of inflammatory diseases and ischaemia-reperfusion situations</p> <p>POCTI/FCB/42259/2001</p>	<p>Fundação para a Ciência e a Tecnologia, Portugal</p> <p>Concluded</p>

2001/01 - 2002/12	Microgravity protein crystal growth-determination of protein structure for rational design of new enzymatic inhibitors POCTI/BME/36666/99 Researcher	Fundação para a Ciência e a Tecnologia, Portugal Concluded
1997/01 - 2000/12	Direccionamento de superóxido dismutase e catalase através da modificação química e/ou incorporação em lipossomas, para a terapia de uma doença autoimune, projecto PRAXIS, Contrato N° 2/2.1/SAU/1360/95 Researcher	Fundação para a Ciência e a Tecnologia, Portugal Concluded
1997/01 - 2000/12	Novas formas bioactivas de produtos oftalmológicos e dermatológicos SINDEPEDIP, 25/00243 Researcher	SINDEPEDIP, Portugal Concluded
1997/01 - 1999/12	Projecto para criação de uma unidade de síntese, pesquisa e desenvolvimento de moléculas com actividade farmacológica SINDESFAR-PM/480/97/058 Researcher	SINDESFAR, Portugal Concluded
1993/01 - 1996/12	Hemissíntese de Ansamicinas, Caracterização, Imobilização em Lipossomas e Avaliação Biológica JNIC, Contrato N° PBIC/C/SAU/1537/92 Researcher	Fundação para a Ciência e a Tecnologia, Portugal Concluded
1986/01 - 1989/12	Imobilização em Lipossomas de Enzimas com Acção Terapêutica JNIC, Contrato N° 836.86.212 Researcher	Fundação para a Ciência e a Tecnologia, Portugal Concluded

Outputs

Publications

- Book chapter 1 Amaral, Mariana Neves; Pinho, Jacinta O.; Gaspar, M. Manuela; Reis, Catarina Pinto. "Challenges in delivery of plant actives". In *Phytopharmaceuticals and Herbal Drugs*, 35-82. Elsevier, 2023.
Published · 10.1016/b978-0-323-99125-4.00008-1

- 2 Pinho, Jacinta Oliveira; Lopes, Joana; Albino, Melissa; Reis, Catarina; Matias, Mariana; Gaspar, Maria Manuela. "Advances in nanotechnology-related strategies against melanoma". In *Mitochondrial Dysfunction and Nanotherapeutics*, 385-424. Elsevier, 2021.
Published · 10.1016/b978-0-323-85666-9.00009-7
- 3 Mendes, T.; Gaspar, Maria Manuela; Simões, S.; Ascensob, A.. "Lipid vesicles for skin delivery: Evolution from first generation". In *Carrier-Mediated Dermal Delivery*, 281-322. Taylor & Francis Group, 2017.
Published · 10.4324/9781315364476-8
- 4 Simões, S.; Carvalheiro, M.; Gaspar, Maria Manuela. "Lipid-based nanocarriers for the treatment of infected skin lesions". In *Carrier-Mediated Dermal Delivery*, 385-430. Taylor & Francis Group, 2017.
Published · 10.4324/9781315364476-11
- 5 Sitterberg, Johannes; Gaspar, Maria Manuela; Ehrhardt, Carsten; Bakowsky, Udo. "Atomic Force Microscopy for the Characterization of Proteoliposomes". In *Methods in Molecular Biology*, 351-361. Humana Press, 2009.
Published · 10.1007/978-1-60761-447-0_23
- 6 Cruz, Maria Eugénia Meirinhos; Sandra Isabel Dias Simões; Corvo, Maria Luisa ; Martins, Maria Bárbara; Gaspar, Maria Manuela. "Formulation of NPDDS for Macromolecules". 35-49. Informa Healthcare., Taylor & Francis Group, 2009.
- 7 Cruz, Maria Eugénia Meirinhos; Maria Bárbara Martins; Corvo, Maria Luísa; Gaspar, Maria Manuela; E. M. M. Oliveira; Maria Antonieta Ferrara. "Enzimas em Medicamentos e Diagnósticos". In *Enzimas em Biotecnologia: produção, aplicações e mercado*, 307-331. Rio de Janeiro, Brazil: Interciência Ltda, 2008.
Published
- 8 Eugénia, M. Cruz; Manuela Gaspar, M.; Bárbara, M. Martins; Luísa Corvo, M.. "Liposomal Superoxide Dismutases and Their Use in the Treatment of Experimental Arthritis". In *Methods in Enzymology*, 395-413. Amsterdam: Elsevier, 2005.
Published · 10.1016/s0076-6879(05)91022-7

Conference abstract

- 1 A Martins; Brígida C Ferreira; Gaspar, Maria Manuela; Vieira, Sandra. "Potential of concomitant radiation therapy with gold nanoparticles for pancreatic cancer.". Paper presented in *ESTRO2024, Glasgow, 2024*.
Accepted
- 2 Penetra, Maria João; Francisco, Ana Paula; O. Pinho, Jacinta; Mendes, Eduarda; Rodrigues, Cecília MP; Amaral, Joana; Gaspar, Maria Manuela. Corresponding author: Penetra, Maria João. "Liposomes as a tool to potentiate the antitumor effect of a new hybrid molecule: in vitro and in vivo studies (Oral presentation)". Paper presented in *14th National Organic Chemistry Meeting & 7th National Medicinal Chemistry Meeting, 2022*.
- 3 Pinho, JO; Matias, Mariana; Francisco, Ana; Eleutério, Carla; Perry, Maria Jesus; Mendes, Eduarda; Amaral, Joana; Rodrigues, Cecília MP; Gaspar, Maria Manuela. "In vitro and in vivo high antimelanoma potential of a novel hybrid molecule following its incorporation in long circulating liposomes (Oral presentation)". Paper presented in *1st Symposium on Advanced Technologies for Drug Delivery 2021 (@DD21), Faculty of Pharmacy, University of Lisboa., Lisboa, 2021*.
Published

- 4 Lopes, Joana; Albino, Melissa; Matos, C. P.; Correia, Isabel; Reis, Catarina; Gaspar, Maria Manuela. "Liposomes as a tool to potentiate in vitro and in vivo the anti-tumor effect of new coordination compounds (Oral presentation)". Paper presented in *25th Anniversary; XIII Spanish-Portuguese Conference on Controlled Drug Release*, 2020.
- 5 Matias, Mariana; Pinho, JO; Francisco, Ana; Eleutério, Carla; Perry, Maria Jesus; Mendes, Eduarda; Amaral, Joana; Rodrigues, Cecília MP; Gaspar, Maria Manuela. "A novel nanoformulated hybrid molecule as a promising strategy for the treatment of melanoma". Paper presented in *Congresso Nacional dos Farmacêuticos 2020 e XIV Congresso Mundial dos Farmacêuticos de Língua Portuguesa*, 2020.
Published
- 6 Camões, Sérgio P.; Dias, Catarina T.; Rodrigues, Joana S; Serras, Ana S.; Gaspar, Maria Manuela; Simões, Sandra; Ferreira, R.; et al. "Delivery of exosomes derived from 3D-cultured human neonatal mesenchymal stromal cells improves cutaneous wound healing". Paper presented in *11th International Meeting of the Portuguese Society for Stem Cells and Cell Therapies*, 2019.
10.3389/978-2-88945-675-8
- 7 Pinho, Jacinta; Ana Paula Francisco; Carla Vânia Eleutério; Eduarda Mendes; Perry, Maria Jesus; Amaral, Joana; Rodrigues, Cecília MP; Gaspar, Maria Manuela. "Nanoformulated hybrid molecules with high in vitro and in vivo potential against melanoma". Paper presented in *EUFEPS Annual Meeting 2019, Frankfurt*, 2019.
Published

Conference poster

- 1 Ferreira-Gonçalves, Tânia; Ana S. Viana; Ascensão, Lia; Ferreira-Santos, Pedro; Daniela Nunes; Elvira Fortunato; Rodrigo Martins; et al. "Morphological characterization of gold nanoparticles as versatile tools for photothermal therapy". Paper presented in *FIT4NANO Workshop 2023*, 2023.
- 2 Pinto S; DUARTE, Ana Patrícia; Botelho, Hugo; Gaspar, Maria Manuela; Ascensão L; Faísca P; Catarina Pinto Reis; Pacheco, Rita. "Albumin Nanoparticles of Natural Products: In Vitro and In Vivo Evaluation". Paper presented in *4th SPLC-CRS Young Scientists Meeting*, 2023.
- 3 Ferreira-Gonçalves, Tânia; Eduardo Costa; Coelho, João M. P.; Gaspar, Maria Manuela; Ascensão, Lia; Figueiredo, Isabel Vitória; David Ferreira; FERREIRA, HUGO; Reis, Catarina. "Gold nanoparticles: a promising next-generation tool for breast cancer photothermal therapy". Paper presented in *IV Young Scientist Meeting of the Spanish Portuguese Local Chapter, Controlled Release Society (SPLC-CRS)*, 2023.
- 4 Vivien Pósa; Côrte-Real, Leonor; Isabel Romero; Figueira, Mariana; Reis, Catarina Pinto; Gaspar, Maria Manuela; Pessoa, João Costa; Correia, Isabel; Éva Enyedy. Corresponding author: Vivien Pósa. "Solution studies on the interaction of three new Schiff base 8-hydroxyquinolines with essential metal ions". Paper presented in *3rd European Nectar Conference (Ljubljana, Slovenia)*, 2022.
- 5 Ferreira-Gonçalves, Tânia; Gaspar, Maria Manuela; Coelho, João M. P.; Marques, Vanda; Ana S. Viana; Ascensão, Lia; Lina Carvalho; et al. "Rosmarinic acid as key compound on the synthesis of gold nanoparticles for breast cancer photothermal therapy". Paper presented in *13th iMed.Ulisboa Postgraduate Students Meeting*, 2022.

- 6 Joana Lopes; Ferreira-Gonçalves, Tânia; Figueiredo, Isabel Vitória; Cecília M. P. Rodrigues; FERREIRA, HUGO; David Ferreira; Ana S. Viana; et al. "Gold nanoparticles allied to photothermal therapy for the melanoma treatment". Paper presented in *13th iMed.ULisboa Postgraduate Students Meeting, 2022*.
- 7 Ferreira-Gonçalves, Tânia; Gaspar, Maria Manuela; Coelho, João M. P.; Marques, Vanda; Ana S. Viana; Ascensão, Lia; Lina Carvalho; et al. "Rosmarinic acid for the synthesis of gold nanoparticles for a photothermal therapy approach". Paper presented in *Controlled Release Society 2022 Annual Meeting & Expo, 2022*.
- 8 Cardador, A; Afonso, MB; Pêgo, Ana; Simão, AL; Gaspar, Maria Manuela; Castro, Rui; Gozzelino, Raffaella; Rodrigues, CMP. "Modulation of immune environment by RIPK3 in hepatocellular carcinoma". Paper presented in *Jornadas Científicas ULisboa 2022, 2022*.
- 9 Oliveira Pinho, Jacinta; Matias, Mariana; Amaral, Joana D; Mendes, Eduarda; Perry, Maria Jesus; Storm, Gert; Gameiro, Ana P; Rodrigues, Cecília; Gaspar, Maria Manuela. "In vitro and in vivo validation of a new hybrid molecule loaded in liposomes for melanoma management". Paper presented in *17th Liposome Research Days, Catalyzing the Nanomedicine Revolution, 2022*.
- 10 Ferreira-Gonçalves, Tânia; Gaspar, Maria Manuela; Coelho, João M. P.; Marques, Vanda; Ana S. Viana; Ascensão, Lia; Lina Carvalho; et al. "Rosmarinic acid as one of the key intervenients on the bioproduction of gold nanoparticles: the first big step towards a photothermal therapy approach for breast cancer". Paper presented in *Ciência 2022 ¿ Encontro com a Ciência e Tecnologia em Portugal, 2022*.
- 11 Joana Lopes; Ferreira-Gonçalves, Tânia; Figueiredo, Isabel Vitória; Cecília M. P. Rodrigues; FERREIRA, HUGO; David Ferreira; Ana S. Viana; et al. "The added value of gold nanoparticles as photothermal enhancers for the management of superficial tumors". Paper presented in *Ciência 2022 ¿ Encontro com a Ciência e Tecnologia em Portugal, 2022*.
- 12 Joana Lopes; Ferreira-Gonçalves, Tânia; Figueiredo, Isabel Vitória; Cecília M. P. Rodrigues; FERREIRA, HUGO; David Ferreira; Ana S. Viana; et al. "Proof-of-concept Study of Gold Nanoparticles Combined with NIR Laser Irradiation for the Treatment of Melanoma". Paper presented in *Cutaneous Melanoma: from where to where?, from Liga Portuguesa Contra o Cancro, 2021*.
- 13 Penetra, Maria João; Francisco, Ana Paula; Pinho, Jacinta; Mendes, Eduarda; Rodrigues, Cecília MP; Amaral, Joana; Gaspar, Maria Manuela. "In vitro and in vivo evaluation of new hybrid molecules following its incorporation to a lipid-based nanosystem for the management of melanoma". Paper presented in *1st Symposium on Advanced Technologies for Drug Delivery 2021, 2021*.
- 14 Ferreira-Gonçalves, Tânia; Eduardo Costa; Inês Silvério; Coelho, João M. P.; Gaspar, Maria Manuela; Ascensão, Lia; Faísca, Rui Pedro Brás Martins ; et al. "Gold nanoparticles as part of a photothermal therapy system for breast cancer". Paper presented in *1st Symposium on Advanced Technologies for*

Drug Delivery, @DD21, 2021.

- 15 Camões, Sérgio P.; Bulut, Ozlem; Yazar, Volkan; Gaspar, Maria Manuela; Simões, Sandra; Ferreira, R; Vitorino, R; et al. "Exosomes from 3D-cultured MSCs are immunomodulatory and reveal healing proteins sustaining the promotion of cutaneous wound resolution". Paper presented in *iMed.ULisboa meeting 2021, 2021.*
- 16 Diogo Almeida; Ferreira-Gonçalves, Tânia; Joana Lopes; Amaral, Mariana; Gaspar, Maria Manuela; Coelho, João M. P.; Reis, Catarina. "Photothermal Therapy: Synthesis and Characterization of Gold-Based Nanosystems". Paper presented in *iMed.ULisboa Meeting 2021, 2021.*
- 17 Pinho, JO; da Silva, Inês V.; Amaral, Joana; Rodrigues, Cecília M.P.; Casini, A; Soveral, G.; Gaspar, Maria Manuela. "Advancing colon cancer treatment using pH-sensitive nanoliposomes loading a copper complex". Paper presented in *iMed.ULisboa Meeting 2021. Faculty of Pharmacy, University of Lisboa, 2021.*
- 18 Matias, Mariana; Pinho, JO; Francisco, Ana; Eleutério, Carla; Perry, Maria Jesus; Mendes, Eduarda; Amaral, Joana; Rodrigues, Cecília MP; Gaspar, Maria Manuela. "Validation of a dual acting hybrid molecule loaded in liposomes in an A375 xenograft melanoma model". Paper presented in *iMed.ULisboa Meeting 2021. Faculty of Pharmacy, University of Lisboa, 2021.*
- 19 Penetra, Maria João; Francisco, Ana Paula; Pinho, JO; Mendes, Eduarda; Rodrigues, Cecília MP; Amaral, Joana; Gaspar, Maria Manuela. "Improved selectivity and in vitro cytotoxic effects of hybrid molecules via liposomal delivery as a tool to fight melanoma". Paper presented in *iMed.ULisboa Meeting 2021. Faculty of Pharmacy, University of Lisboa, 2021.*
- 20 Cruz, Nuno; Pinho, JO; Soveral, Graça; Matela, Nuno; Reis, Catarina; Gaspar, Maria Manuela. "Magnetic Targeting of a Novel Hybrid Nanosystem for Antitumoral Activity Enhancement". Paper presented in *iMed.ULisboa Meeting 2021. Faculty of Pharmacy, University of Lisboa, 2021.*
- 21 Ferreira-Gonçalves, Tânia; Costa, Eduardo; Coelho J.M.P.; Gaspar, Maria Manuela; Ascensão L.; Faisca P.; Figueiredo I.V.; et al. "A step forward in breast cancer research: A preliminary photothermal approach using gold nanoparticles". Paper presented in *iMed.ulisboa meeting 2021, 2021.*
- 22 Lopes, Joana; Ferreira-Gonçalves, Tânia; Amaral, Mariana; Coelho, João M.P.; Vieira, Pedro; Gaspar, Maria Manuela; Reis, Catarina. "Photothermal therapy and Nanotechnology: a new therapeutic strategy for the superficial tumors". Paper presented in *Congresso Nacional dos Farmacêuticos e XIV Congresso Mundial dos Farmacêuticos de Língua Portuguesa, 2020.*
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Journal issue	1	Matias, Mariana; Gaspar, Maria Manuela. "Special Issue: Applications of Nanotechnology for Melanoma Treatment and Diagnosis". <i>Pharmaceutics</i> (2022):
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Thesis / Dissertation	1	Gaspar, Maria Manuela. "Liposomal Formulations of rifabutin and acylated superoxide Dismutase". PhD, Universidade de Lisboa Faculdade de Farmácia, 2005.
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Intellectual property

- | | | |
|--------|---|--|
| Patent | 1 | Gaspar MM; Gaspar, Maria Manuela. 2013. "Design of a nose-only-chamber, for several animals simultaneously, promoting the targeted pulmonary administration of dry powder formulations". Portugal. |
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Activities

Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2023/01 - 2027/12	Integrated approach on the treatment of colorectal cancer with nanostructured delivery systems Supervisor	(PhD)
2023 - 2027	Development of different nanoapproaches for colorectal cancer: How far can it really help the targetability of metallodrugs?". Co-supervisor	(PhD)
2022/01/02 - 2025/12/31	Development of different nanoapproaches for colorectal cancer: How far can it really help the targetability of metallodrugs? Co-supervisor of Íris Raquel Branco Neto	(PhD) Universidade de Lisboa Faculdade de Farmácia, Portugal Universidade de Lisboa Faculdade de Farmácia, Portugal
2021/12/01 - 2025/12/01	Nanoplatforms of metal-based complexes for the treatment of melanoma Supervisor of Pedro Daniel Franco Farinha	(PhD)
2020/01/01 - 2024/07/31	Targeting superficial tumors using a nanotechnological hybrid approach Co-supervisor of Joana Margarida Delgado Lopes	Pharmaceutical Technology (PhD) Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal
2019/05 - 2024/07/30	Dual antibiotic-lipid based nanosystem as a tool to specically target staphylococcus aureus biofilms Co-supervisor of Magda Sofia Catroga Ferreira	Ciências Veterinárias (PhD) Universidade de Lisboa Faculdade de Medicina Veterinária, Portugal Universidade de Lisboa Faculdade de Farmácia, Portugal

2021 - 2024/02	Targeting superficial tumors using a nanotechnological hybrid approach Co-supervisor	(PhD)
2021/09 - 2024/01	Rifabutin Liposomes: a novel nanotechnological strategy for effective treatment of systemic methicilin-resistant staphylococcus aureus infections Supervisor	Post-Doc (Other)
2020 - 2024	Upconversion nanoparticles for multimodal therapy of melanoma Co-supervisor	(PhD) Universidade de Aveiro, Portugal
2023/01/02 - 2023/12	Validation of a novel hybrid nanosystem integrating cytotoxic and magnetic properties as a tool to potentiate antitumor activity Supervisor	Ciências de Engenharia de Micro e Nanotecnologias de Processos (Master) Universidade Nova de Lisboa Faculdade de Ciências e Tecnologia, Portugal
2022/02/01 - 2023/12	Design of a hybrid lipid nanosystem combining cytotoxic and magnetic properties Supervisor	Mestrado em Engenharia Biomédica e Biofísica (Master) Universidade de Lisboa Faculdade de Ciências, Portugal
2023/04 - 2023/08	In vitro and in vivo validation of a new gold complex with potential towards melanoma Supervisor	Erasmus Student (Other) Uniwersytet Jagiellonski w Krakowie Collegium Medicum, Poland
2020/07/01 - 2022/01/30	Nanoformulations of novel metal complexes as potential antitumor agents: in vitro and in vivo studies Supervisor of Melissa Daniela Albino Teixeira.	Master Biomedical Research (Oncobiology) Faculdade de Ciências Médicas, NOVA Medical School of NOVA University Lisbon (Master)
2020/09 - 2021/12	Improved selectivity and in vitro cytotoxic effects of hybrid molecules via liposomal delivery as a tool to fight melanoma Supervisor of Maria João Penetra	Master in Biopharmaceutical Sciences. FFUL. University of Lisbon (Master)
2019/04/01 - 2021/09/30	Compostos híbridos nanoformulados para o direcionamento específico de melanoma metastático Supervisor	Post-Doc (Other) Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal
2017/05 - 2021/09/16	Cancer chemotherapeutic agents using a nanotechnological approach Supervisor of Jacinta Oliveira Pinho	Pharmaceutical Technology (PhD) Universidade de Lisboa Faculdade de Farmácia, Portugal

2021/01 - 2021/09	Magnetic Nanoparticles in Diagnostics: A Review of Recent Advances Supervisor	Mestrado Integrado (Master) Universidade de Lisboa Faculdade de Farmácia, Portugal
2019/10 - 2020/10	Biomedical Applications of Fluorinated Ionic Liquids as Drug Delivery Systems Co-supervisor	Ciências Biofarmacêuticas (Master) Universidade Nova de Lisboa Departamento de Química, Portugal
2019/08 - 2020/08	Non-invasive elimination of superficial tumours: a step forward Co-supervisor	(Master) Universidade de Lisboa Faculdade de Farmácia, Portugal
2016/02 - 2017/02	Diagnóstico serológico da peripneumonia contagiosa dos bovinos – uma abordagem nanotecnológica Co-supervisor of Nicole Marie Dinis-Tonelo	Mestrado em Medicina Veterinária (Master) Universidade Lusófona de Humanidades e Tecnologias, Portugal
2015/02/01 - 2015/09/30	Fluticasone propionate loaded in liposomes: in vitro and in vivo evaluation Supervisor of Yattussia Ambinintsoa Mafilaza	Master in Sciences du Medicament, Développement analytique et biopharmaceutiques, (Master) Université Claude Bernard Lyon 1 Institut des Sciences Pharmaceutiques et Biologiques Faculté de Pharmacie de Lyon, France
2015/02/01 - 2015/09/30	In vitro and in vivo profile of cyclodextrin formulations for the treatment of lung diseases Supervisor of Marina Dogbe	Master in Sciences du Medicament, Développement analytique et biopharmaceutiques (Master) Université Claude Bernard Lyon 1 Institut des Sciences Pharmaceutiques et Biologiques Faculté de Pharmacie de Lyon, France
2013 - 2013	Nanoformulations of a potent aquaporin-3 inhibitor with cytotoxic effect against cancer cell lines Co-supervisor of Mariana Vieira de Almeida Nave	Ciências Biofarmacêuticas (Master) Universidade de Lisboa Faculdade de Farmácia, Portugal
2011/02 - 2012/11	Development of nanoformulations of pyrazinoic acid prodrugs for treatment of Mycobacterium avium, Co-supervisor of Mariana Matoso	Mestrado em Microbiologia Aplicada (Master) Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal
2012/01 - 2012/10	Nanossistemas lipídicos para a veiculação de moléculas com actividade leishmanicida Supervisor	Mestrado Integrado (Master) Universidade de Lisboa Faculdade de Farmácia, Portugal
2011/01 - 2012/10	Nanoformulations of triazene analogues with specific affinity to human melanoma	Mestrado em Biologia Molecular em Saúde (Master)

Event organisation

	Event name Type of event (Role)	Institution / Organization
2018/01/03 - Current	Curso Prático de Experimentação Animal SPCAL - FFUL , Categoria B de Ciências em Animais de Laboratório. Curso a decorrer anualmente desde 2018 (2018/01/03) Other (Co-organisor)	Universidade de Lisboa Faculdade de Farmácia, Portugal
2021 - 2021	First Symposium on Advanced Technologies for Drug Delivery (2021/10/21 - 2021/10/22) Symposium (Co-organisor)	Universidade de Lisboa Instituto de Investigação do Medicamento, Portugal
2016/01 - 2018/01	Board Member of the Spanish Portuguese Local Chapter of the Controlled Release Society (SPLC-CRS) (2016/01 - 2018/01) Conference (Co-organisor)	Universidade de Lisboa Faculdade de Farmácia, Portugal

Event participation

	Activity description Type of event	Event name Institution / Organization
2021/10/13 - 2021/10/13	Therapeutic strategies for melanoma treatment Seminar	Novel Advanced Nanomaterials for Biological Applications Universidade de Aveiro, Portugal
2021/04/19 - 2021/04/19	Moléculas com interesse farmacológico: da descoberta à avaliação biológica Seminar	Plantas Medicinais e Produtos Naturais em Parasitologia Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal

Jury of academic degree

	Theme Role	Candidate name (Type of degree) Institution / Organization
2022/12	Potential of Ionic Liquids as Protein Drug Delivery Systems (Thesis) Arguer	Márcia Maria da Silva Alves (PhD) Universidade Nova de Lisboa Instituto de Tecnologia Química e Biológica António Xavier, Portugal
2022/12	Peroxisporins Involvement in Oxidative Stress and their Potential for Drug Targeting	Joana Pinheiro Pimenta (Master) Universidade Nova de Lisboa

(Thesis) Main arguer

Faculdade de Ciências e Tecnologia,
Portugal

2022/07	Preparação e Caracterização de Decocções de Algas Marinhas Comestíveis Encapsuladas em Nanopartículas para a Redução do Risco de Doenças Cardiovasculares (Thesis) Main arguer	Sofia Isabel Brites Pinto (Master) Instituto Politécnico de Lisboa Instituto Superior de Engenharia de Lisboa, Portugal
2021/12	NUEVA PLATAFORMA DE ADMINISTRACIÓN PULMONAR BASADA EN REDES METAL-ORGÁNICAS CON POTENCIAL APLICACIÓN EN EL TRATAMIENTO DE LA TUBERCULOSIS, PhD thesis Thesis Member	Cristina Fernandez-Paz: (PhD) Universidade de Santiago de Compostela, Spain
2021/09/16	Cancer chemotherapeutic agents using a nanotechnological approach, PhD Thesis (supervisor) Supervisor	Jacinta de Oliveira Pinho (PhD) Universidade de Lisboa Faculdade de Farmácia, Portugal
2021/07/14	Skin Delivery Of Bioactive Plant Extracts Through Nanocarriers, PhD Thesis (Arguer) (Thesis) Arguer	Ana Luísa Vargas Henriques Mota (PhD) Universidade de Lisboa Faculdade de Farmácia, Portugal
2020/11	PAMAM and PPI dendrimers as delivery systems of rose bengal to treat basal cell carcinoma: a photodynamic therapy preliminary approach (Thesis) Main arguer	Ana Sofia Dias Martins (Master) Universidade de Lisboa Faculdade de Farmácia, Portugal
2019/11	Ferrous Oxide Nanoparticles as liposome targeting adjuvants in mouse model melanoma chemotherapy, Master thesis, (main arguer) (Thesis) Main arguer	Nuno Guilherme Valadas da Cruz (Master) Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal
2019/11	Estudo das atividades biológicas da alga Undaria pinnatifida (Thesis) Main arguer	Bernardo Faria Gonçalves Pimenta Pedro (Master) Fundação da Faculdade de Ciências da Universidade de Lisboa, Portugal
2019/09	Fracionamento e identificação de compostos de extratos de plantas medicinais da Guiné-Bissau com atividade biológica - Master thesis (main arguer) (Thesis) Main arguer	Cláudia Heitor de Matos Chambel Valente (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2019/03/06	Gestão De Resíduos Hospitalares - Estudo de referenciais de boas práticas, com base na perceção e na avaliação do	Beatriz da Graça Nunes Veiga Edra (PhD)

risco de exposição ocupacional num Hospital Central, PhD thesis
(Thesis) Main arguer

Universidad de Alcalá de Henares, Spain

2019/03/06

Innovative nanotechnology formulations for the treatment of yeast infections in oral mucosa, PhD thesis
(Thesis) Arguer

Luis Miguel Vasques Roque (PhD)
Universidad de Alcalá de Henares, Spain

2019/02/02

TRANSPORTADORES NANO E MICROPARTICULADOS DIRECIONADOS PARA OS MACRÓFAGOS ALVEOLARES, NO TRATAMENTO DA TUBERCULOSE. PhD thesis (main arguer)
(Thesis) Main arguer

LUDMYLLA COSTA CUNHA (PhD)
Universidade do Algarve, Portugal

2019/02

Nano and microparticles as carriers for alveolar macrophage targeting in pulmonary tuberculosis therapy
(Thesis) Main arguer

Ludmylla Costa Cunha (PhD)
Universidade do Algarve Faculdade de Ciências e Tecnologia, Portugal

2018/12/05

Development of novel therapeutic approaches to promote the healing of chronic wounds. PhD thesis (main arguer)
(Thesis) Main arguer

Itxaso García Orue (PhD)
Universidad del País Vasco Biblioteca Campus de Álava, Spain

2018

Evaluation of aquaporins in cancer as potential biomarkers or drug targets, Master thesis (main arguer)
(Thesis) Main arguer

António João de Almeida Lemos (Master)
Universidade de Lisboa Faculdade de Farmácia, Portugal

2016/11/20

Desenvolvimento de bionanoconjugados para a deteção de anticorpos anti-Pneumocystis jirovecii , Master thesis (main arguer)
(Thesis) Main arguer

Mafalda Barroso Capela Dias Pinto (Master)
Universidade Nova de Lisboa Faculdade de Ciências e Tecnologia, Portugal

2016/11/12

Development of a theranostic system for central nervous system based on superparamagnetic nanoparticles, Master thesis (Main arguer)
(Thesis) Main arguer

Mariana Filipa Mestre Pina Amaro (Master)
Universidade Nova de Lisboa Faculdade de Ciências e Tecnologia, Portugal

2016/10/06

Pharmaco - and immunotherapeutic strategies for the topical treatment of cutaneous leishmaniasis, PhD thesis (main arguer)
(Thesis) Main arguer

Juana Schwartz Mota (PhD)
Universidad de Navarra, Spain

2016/02

Aplicação de anticorpos recombinantes para o diagnóstico da pneumocistose. Master thesis (main arguer)
(Thesis) Main arguer

Marta Maria Ramos Soares Ribeiro (Master)
Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical,

2015/11	Desenvolvimento de um teste de diagnóstico serológico rápido para a deteção de <i>Pneumocystis jirovecii</i> em amostras clínicas (Thesis) Main arguer	Mariana de Carvalho Ribeiro Coutinho (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2015/11	Microencapsulation of antitubercular drugs in a matrix of partially hydrolyzed guar gum, for application in tuberculosis treatment. Master thesis (main arguer). (Thesis) Main arguer	Tatiana dos Reis Martins (Master) Universidade Nova de Lisboa Faculdade de Ciências e Tecnologia, Portugal
2014/12	Bioensaio de extratos vegetais em <i>Biomphalaria glabrata</i> exposta a <i>Schistosoma mansoni</i> (Thesis) Main arguer	Hélder Felício Fernandes (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2014/11	Novas abordagens no diagnóstico serológico da pneumocistose (Thesis) Main arguer	Ana Luísa Regatão Tomás (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2014	Novas abordagens no diagnóstico serológico da pneumocistose	Ana Luisa Regatão Tomás Chocalheiro (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2014	Bioensaio de extratos vegetais em <i>Biomphalaria glabrata</i> exposta a <i>Schistosoma mansoni</i>	Hélder Felício Fernandes (Master) Universidade Nova de Lisboa Instituto de Higiene e Medicina Tropical, Portugal
2014	Hybrid lipid-polymeric nanoplatform as cancer immunotherapeutics , PhD Thesis (arguer) (Thesis) Arguer	Vanessa Gameiro Sainz (PhD) Universidade de Lisboa Faculdade de Farmácia, Portugal
2014	Microencapsulated lipid nanoparticles for pulmonary delivery of biopharmaceutical agents, PhD thesis (arguer) (Thesis) Arguer	Diana Patrícia Rodrigues Gaspar (PhD) Universidade de Lisboa Faculdade de Farmácia, Portugal
2011/11	Nanomedicamentos para el tratamiento localizado de patologias pulmonares (Thesis) Arguer	Felipe Andrés Oyarzún Ampuero (PhD) Universidade de Santiago de Compostela Departamento de Farmacología Farmacia e Tecnología Farmacéutica, Spain

Association member

	Society Organization	Role
2019/10 - Current	Member of the COST-Action , CA17140, Nano2Clinic Cancer Nanomedicine - from the bench to the bedside	Action Member
2017 - Current	Sociedade Portuguesa de Ciências em Animais de Laboratório	Membro da sociedade
2014 - Current	Rede Nacional de Órgãos Responsáveis pelo Bem estar dos Animais desde 2014	Membro
2011 - Current	Animal facilities of the Faculty of Pharmacy , Universidade de Lisboa - management responsible	
2003 - Current	Sociedade Portuguesa de Ciências Farmacêuticas	Membro
1995/09 - Current	Spanish Portuguese Local Chapter of the Controlled Release Society (SPLC-CRS)	Membro da sociedade
2019 - 2021	Sociedade Portuguesa de Ciências em Animais de Laboratório (SPCAL) Secretária da Assembleia Geral	Secretária da Assembleia Geral

Committee member

	Activity description Role	Institution / Organization
2016 - Current	Animal Welfare Organ, Faculty of Pharmacy, University of Lisbon, Portugal Member	Universidade de Lisboa Faculdade de Farmácia, Portugal
2009/01 - Current	Responsible for the welfare and management of the animal facilities of the Faculty of Pharmacy, Universidade de Lisboa since january 2009. Coordinator	Universidade de Lisboa Faculdade de Farmácia, Portugal
2021 - 2025	Presidente da Assembleia Geral da Sociedade Portuguesa de Ciências em Animais de Laboratório (SPCAL) President / Vice-president	Sociedade Portuguesa de Ciências em Animais de Laboratório, Portugal
2011 - 2016	Membro da Comissão de Ética para Experimentação Animal da Faculdade de Farmácia da Universidade de Lisboa (2011 - 2016) Member	Universidade de Lisboa Faculdade de Farmácia, Portugal

Course / Discipline taught

Academic session	Degree Subject (Type)	Institution / Organization
2021/04/21 - 2025/04/21	Aplicações de nanomedicamentos em doenças infecciosas (Mestrado integrado)	Universidade de Lisboa Faculdade de Farmácia, Portugal
2021/01/02 - 2021/12/06	Curso Prático de Experimentação Animal SPCAL - FFUL , Categoria B de Ciências em Animais de Laboratório (4ª edição) (Pós-Graduação)	Universidade de Lisboa Faculdade de Farmácia, Portugal
2020/01/02 - 2021/04/27	Curso Prático de Experimentação Animal SPCAL - FFUL, Categoria B de Ciências em Animais de Laboratório (3ª edição) (Pós-Graduação)	Universidade de Lisboa Faculdade de Farmácia, Portugal
2019/01/02 - 2019/09/30	Curso de Experimentação Animal SPCAL - FFUL, Categoria B de Ciências em Animais de Laboratório (2ª edição) (Pós-Graduação)	Universidade de Lisboa Faculdade de Farmácia, Portugal
2018/01/03 - 2018/09/30	Curso de Experimentação Animal SPCAL - FFUL, Categoria B de Ciências em Animais de Laboratório (1ª edição) (Pós-Graduação)	Universidade de Lisboa Faculdade de Farmácia, Portugal

Distinctions

Award

2021	Bolsa de Inovação - Validation of a new nanotechnological approach for the treatment of melanoma metastasis using primary cells from IPO patients Ordem dos Farmaceuticos, Portugal
2020	Melhor Comunicação Oral SPP/Medinfar, "TERAPÊUTICA INALÁVEL DA TUBERCULOSE: UM ALINHAMENTO DA VIA DE ADMINISTRAÇÃO DO FÁRMACO COM A VIA DE INFEÇÃO " Sociedade Portuguesa de Pneumologia, Portugal
2020	Melhor Comunicação Oral:"A Novel Nanoformulated Hybrid Molecule as a Promising Strategy for the Treatment of Melanoma" Ordem dos Farmaceuticos, Portugal
2020	The World's Top 2% Scientists 2021 Stanford University, United States
2019	Oral Communication, Liposomes as drug delivery systems for the treatment of infectious diseases Phospholipid Forschungszentrum e V, Germany

Other distinction

2022	The World's Top 2% Scientists 2023 Stanford University, United States
2021	The World's Top 2% Scientists 2022 Stanford University, United States
1996	Graduate Student Award in Pharmacy and Pharmaceutical Sciences The Nagai Foundation, Japan