



Curriculum Vitae

Jorge Filipe Rodrigues Pontes

Jorge Filipe Rodrigues Pontes completed the Mestrado in Ciências Farmacêuticas in 2016/12 in Universidade do Algarve, Faculdade de Ciências e Tecnologia. At present, Jorge is a PhD Student in Universidade do Algarve - Campus de Gambelas. The scientific area in which Jorge is currently involved is pharmaceutical technology allied with biomedical sciences. The studies that are currently performed in the team of which Jorge is a member are related to the production, characterisation and therapeutic evaluation of polysaccharide-based micro and nanoparticles envisaged for lung drug delivery.

Identification

Personal identification

Full name

Jorge Filipe Rodrigues Pontes

Gender

Male

Birth date

1992/04/21

Citation names

Pontes, Jorge F.

Author identifiers

Ciência ID

CB16-5CBD-8B89

ORCID iD

0000-0002-6447-0242

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57195033461

Email addresses

pontes.jorge21@gmail.com (Professional)

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Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
English	Advanced (C1)	Advanced (C1)	Advanced (C1)	Advanced (C1)	
Spanish; Castilian	Upper intermediate (B2)	Upper intermediate (B2)	Upper intermediate (B2)	Upper intermediate (B2)	
French	Elementary (A2)	Elementary (A2)	Elementary (A2)	Elementary (A2)	

Education

	Degree	Classification
2018/03 - 2022/03 Ongoing	Mecanismos de Doença e Medicina Regenerativa (Doutoramento) Universidade do Algarve, Portugal <i>"Study of the impact of dry powder insufflation over respiratory epithelial cells" (THESIS/DISSERTATION)</i>	
2010/09 - 2016/12 Concluded	Ciências Farmacêuticas (Mestrado) Major in Sem especialização Universidade do Algarve Faculdade de Ciências e Tecnologia, Portugal <i>"Chitosan/dextran sulfate nanoparticles: stability evaluation and assessment of the effect of different acidic media on nanoparticle preparation "</i> (THESIS/DISSERTATION)	16 valores

Affiliation

Science

2017/10 - 2018/03	Research Trainee (Research) Université Claude Bernard Lyon 1, France
2017/01 - 2017/10	Research Trainee (Research) Universidade do Algarve, Portugal

Projects

Other

	Designation	Funders
2019 - 2020	NANOSPEED - Nanoencapsulation of drugs using biopolymers with specific abilities for drug delivery 5116/ PhD Student Fellow Centro de Ciências do Mar, Portugal	Fundação para a Ciência e a Tecnologia, Portugal
2015 - 2015	Fighting TB: Development of microparticulate systems to target alveolar macrophages in tuberculosis therapy info:eu-repo/grantAgreement/FCT/3599-PPCDT/124096/PT Master Student Fellow Universidade do Algarve, Portugal	Fundação para a Ciência e a Tecnologia, Portugal

Outputs

Publications

- | | | |
|-------------------|---|---|
| Book chapter | 1 | <p>Bebiano, Maria João; Rocha, Thiago Lopes; Pontes, Jorge Filipe; Amaral, André Corrêa; Grenha, Ana. "Potential Ecotoxicological Risk of Nanopharmaceuticals in the Aquatic Environment". In <i>Nanopharmaceuticals: Principles and Applications Vol. 2</i>, 289-317. Springer International Publishing, 2020.</p> <p>Published · 10.1007/978-3-030-44921-6_8</p> |
| Conference poster | 1 | <p>Pontes, Jorge F.; Braz, Luis; Costa, Ana Rosa da; Almouazen, Eyad; Lollo, Giovanna; Grenha, Ana. "Stability evaluation of sulphated locust bean gum-coated lipid nanocapsules". Paper presented in <i>XIIIth Spanish-Portuguese Conference on Controlled Drug Delivery</i>, 2020.</p> |
| | 2 | <p>Flórez-Fernández, Noelia; Pontes, Jorge F.; Domínguez, Herminia; Grenha, Ana. "Evaluation of nanosystems based on biopolymers: Fucoïdan from the edible brown seaweed <i>Laminaria japonica</i> and Chitosan". Paper presented in <i>XIIIth Spanish-Portuguese Conference on Controlled Drug Delivery</i>, 2020.</p> |
| | 3 | <p>Flórez-Fernández, Noelia; Afonso, Inês; Pontes, Jorge F.; Domínguez, Herminia; Grenha, Ana. "Development of polysaccharide-based nanosystem using marine-based polymers". Paper presented in <i>XXV Encontro Galego-Portugues de Química</i>, 2019.</p> |
| | 4 | <p>Pontes, Jorge F.; Braz, Luis; Costa, Ana Rosa da; Almouazen, Eyad; Lollo, Giovanna; Grenha, Ana. "Development of nanocapsules using a locust bean gum sulfate derivative". Paper presented in <i>22nd International Symposium on Microencapsulation</i>, 2019.</p> |
| | 5 | <p>Araújo, Nuna; Viegas, Carla; Pontes, Jorge F.; Marreiros, Catarina; Raimundo, Pedro; Macedo, Anjos; Alves de Matos, António; et al. "Nanoencapsulation as a novel delivery approach for therapeutic applications of gla-rich protein (GRP)". Paper presented in <i>4th International Congress of CiiEM - Health, Well-Being and Ageing in the XXI Century</i>, 2019.</p> |
| | 6 | <p>Gaspar, Maria Manuela; Rodrigues, Susana; Cunha, Ludmylla; Musacchio, Flávia; Pontes, Jorge F.; Guerreiro, Filipa; Grenha, Ana. "Gum-based microparticles: An inhalable platform for the treatment of lung tuberculosis". Paper presented in <i>CRS Annual Meeting and Exposition</i>, 2018.</p> |
| | 7 | <p>Pontes, Jorge F.; Cordeiro, Clara; Grenha, Ana. "Design of experiments to study the stability of chitosan/dextran sulfate (CS/DS) nanoparticles". Paper presented in <i>CRS Annual Meeting and Exposition</i>, 2018.</p> |
| | 8 | <p>Pontes, Jorge F.; Cordeiro, Clara; Grenha, Ana. "Chitosan/dextran sulfate (CS/DS) nanoparticles: Stability evaluation using factorial design". Paper presented in <i>21st International Symposium on Microencapsulation</i>, 2017.</p> |

- 9 Araújo, Nuna; Viegas, Carla; Pontes, Jorge F.; Magalhães, J.; Blanco, F. J.; Macedo, Anjos; Grenha, Ana; Simes, Dina Costa. "Nano-encapsulation of glarich protein (GRP) and potential added value as a therapeutic agent for osteoarthritis". Paper presented in *21st International Symposium on Microencapsulation*, 2017.

Journal article

- 1 Pontes, Jorge F.; Braz, Luis; Costa, Ana Rosa da; Almouazen, Eyad; Lollo, Giovanna; Grenha, Ana. "Sulphated locust bean gum-coated lipid nanocapsules as potential drug delivery carriers". *Journal of Aerosol Medicine and Pulmonary Drug Delivery* 33 2 (2020): <https://www.liebertpub.com/doi/10.1089/jamp.2020.ab01.abstracts>.
Published
- 2 Pontes, Jorge F. (CB16-5CBD-8B89); Grenha, Ana. "Multifunctional Nanocarriers for Lung Drug Delivery". *Nanomaterials* 10 2 (2020): 183. <http://dx.doi.org/10.3390/nano10020183>.
Published · [10.3390/nano10020183](https://doi.org/10.3390/nano10020183)
- 3 Guerreiro, Filipa; Pontes, Jorge F.; Costa, Ana Rosa da; Grenha, Ana. "Spray-drying of konjac glucomannan to produce microparticles for an application as antitubercular drug carriers". *Powder Technology* 342 (2019): 246-252. <http://dx.doi.org/10.1016/j.powtec.2018.09.068>.
Published · [10.1016/j.powtec.2018.09.068](https://doi.org/10.1016/j.powtec.2018.09.068)
- 4 Rodrigues, Susana; Alves, Ana D.; Cavaco, Joana S.; Pontes, Jorge F. (CB16-5CBD-8B89); Guerreiro, Filipa; Costa, Ana Rosa da; Buttini, Francesca; Grenha, Ana. "Dual antibiotherapy of tuberculosis mediated by inhalable locust bean gum microparticles". *International Journal of Pharmaceutics* 529 1-2 (2017): 433-441. <http://dx.doi.org/10.1016/j.ijpharm.2017.06.088>.
Published · [10.1016/j.ijpharm.2017.06.088](https://doi.org/10.1016/j.ijpharm.2017.06.088)

Thesis /
Dissertation

- 1 Pontes, Jorge Filipe Rodrigues. "Chitosan/dextran sulfate nanoparticles: Stability evaluation and assessment of the effect of different acidic media on nanoparticle preparation". Master, Universidade do Algarve Faculdade de Ciências e Tecnologia, 2016. <http://hdl.handle.net/10400.1/9913>.

Activities

Event organisation

	Event name Type of event (Role)	Institution / Organization
2017 - 2017	21st International Symposium on Microencapsulation - Member of the organising committee (2017/09/27 - 2017/09/29) Conference (Member of the Organising Committee)	Universidade do Algarve, Portugal

2017 - 2017

Open Day at Universidade do Algarve -
Responsible for the activities related to
Pharmaceutical Technology (2017/02/23
- 2017/02/23)
Exhibition (Member of the Organising
Committee)

Universidade do Algarve, Portugal