

Raquel Nunes da Silva

Curriculum Vitae



Personal Data

Name **Raquel Sofia de Oliveira Nunes da Silva.**
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Education

- 2006–2009 **Bachelor's degree in Biochemistry**, *University of Aveiro*, Aveiro, Portugal.
- 2009–2011 **Master in Biochemistry - Biomolecular Methods**, *University of Aveiro*, Aveiro, Portugal.
- 2009–2011 **Master in Biochemistry - Clinical Biochemistry**, *University of Aveiro*, Aveiro, Portugal.
Completing all the disciplines within the Master's curriculum.
- 2013–2017 **Doctoral Program in Chemistry**, *University of Aveiro*, Aveiro, Portugal.

Experience

- 2018–present **Postdoctoral Researcher**, *QOPNA and iBiMED*, *University of Aveiro*.

Publications

Maciel, E., Nunes da Silva, R., Simões, C., Domingues, P., and Domingues, M. R. M.; Structural Characterization of Oxidized Glycerophosphatidylserine: Evidence of Polar Head Oxidation, *Journal of The American Society for Mass Spectrometry*, 22(10), 1804-1814, **2011**.

da Silva, R. N.; Tomé, A.; Tomé, J.; Neves, M.; Faustino, M.; Cavaleiro, J.; Oliveira, A.; Almeida, A.; Cunha, Â.; Photoinactivation of Bacillus endospores: inter-specific variability of the inactivation efficiency, *Microbiology and Immunology*, 56(10), 692-699, **2012**.

Nunes da Silva, R., Silva, A. C., Maciel, E., Simões, C., Horta, S., Laranjeira, P., Paiva, A., Domingues, P., Domingues, M. R. M.; Evaluation of the capacity of oxidized phosphatidylserine to induce the expression of cytokines in monocytes and dendritic cells, *Archives of Biochemistry and Biophysics*, 525, 9–15, **2012**.

Maciel, E. , Nunes da Silva, R., Simões, S., Melo, T., Ferreira, R., Domingues, P., Domingues, M. R. M.; Liquid chromatography–tandem mass spectrometry of phosphatidylserine advanced glycated end products, *Chemistry and Physics of Lipids*, 174, 1-7, **2013**.

Nunes da Silva, R., Cunha, Â., Tomé, A. C.; Photodynamic inactivation of Gram-negative and Gram-positive bacteria with phthalocyanine-sulfonamide conjugates, *European Journal of Medicinal Chemistry*, 154, 25, 60-67, 2018.

Oral Communications

Cunha, A., Almeida, A., Nunes da Silva, R., Tomé, J.P.C., Neves, M.G.P.M.S., Faustino, M.A.F., Cavaleiro, J.A.S., Oliveira, A., Tomé, A. C.; Photoinactivation of Bacillus endospores: inactivation efficiency varies significantly among species. II International Conference on Antimicrobial Research (ICAR2012), Lisbon, Portugal, 21st to 23rd November 2012. P. 91.

Nunes da Silva, R.; Evaluation of the capacity of oxidized phosphatidylserines to induce the expression of cytokines in monocytes and dendritic cells, 1st Workshop of immunology and cytometry, University of Aveiro, Aveiro, Portugal, 1st December 2012.

Nunes da Silva, R., Cunha, Â., Almeida, A., Tomé, A. C.; Photodynamic Inactivation of Gram-positive and Gram-negative bacteria with phthalocyanines bearing sulfonamide units Photodynamic Therapy and Photodiagnosis update, Nancy, France, 24th to 28th October 2016, P. 44.

Proceedings

Nunes da Silva, R., Cunha, Â., Almeida, A., Tomé, A. C., Photodynamic inactivation of Gram positive and Gram negative bacteria with phthalocyanines bearing sulfonamide units, Photodiagnosis and Photodynamic Therapy, 2016, 17, A12.

Poster communications

Nunes da Silva, R., Tomé, A. C., Tomé, J. P. C., Neves, M. G. P. M. S, Faustino, M. A. F., Cavaleiro, J. A. S., Oliveira, V., Almeida, A., Cunha, Â.; Evaluation of the adsorption/activity relationship of a cationic porphyrin in bacillus endospores, 2009, 8th National Meeting on Organic Chemistry, Aveiro, Portugal.

Maciel, E., Nunes da Silva, R., Domingues M. R. M., and Domingues, P.; Phosphatidylserine oxidation by Fenton reaction: Oxidation of serine alpha carbon, 2010, XVII National Biochemistry Congress, Porto, Portugal.

Maciel, E., Nunes da Silva, R., Simões, C., Domingues, P., and Domingues, M. R. M.; Identification of oxidative modifications in phosphatidylserine polar head using lipidomic approach, 2011, LIPID MAPS Annual Meeting 2011, La Jolla, CA, USA.

Tânia Melo, Deolinda Santinha, Raquel Nunes da Silva, Ana Cristina Silva, Elisabete Maciel, Cláudia Simões, Sara Horta, Paula Laranjeira, Artur Paiva, Pedro Domingues, M. Rosário M. Domingues, Expression of cytokines in monocytes and dendritic cells exposed to oxidized phosphatidylserines, 2013, XIII Congress of the Iberian Society of cytometry, Aveiro, Portugal.

Nunes da Silva, R., Lourenço, L. M. O., Tomé, A. C., Cunha, Â.; Asymmetric phthalocyanines bearing phenylacetylene units, 4th to 6th September, 2013, P. 166, 10^o Portuguese National Meeting of Organic Chemistry and the 1st Portuguese-Brazilian Organic Chemistry Symposium, Lisbon, Portugal.

da Silva, R. N.; Tomé, A.; Tomé, J.; Neves, M.; Faustino, M.; Cavaleiro, J.; Oliveira, A.; Almeida, A.; Cunha, Â.; Photoinactivation of Bacillus endospores: inter-specific variability of the inactivation efficiency 16th to 21st June 2014, 3rd ESP Photobiology School, Bressanone/Brixen, Italy.

Nunes da Silva, R., Cunha, Â., Tomé, A.; New phthalocyanines bearing sulfonamide units 12th to 16th July 2015, P. 123, 19th European Symposium of Organic Chemistry, Lisbon, Portugal.

Awards

Travel Fellowship from the European Society for Photobiology to participate as a speaker in the conference Photodynamic Therapy and Photodiagnosis update, Nancy, France, between 24th–28th of October of 2016.