


PERSONAL INFORMATION

Dos Santos Vinagreiro, Carolina



 Rua Nova do Salão nº102 3070-329 Mira, Coimbra, Portugal

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 Carolina_svinagreiro@hotmail.com

Driving licence : B, B1

Sex Feminine | Date of birth 16/06/1991 | Nationality Portuguese

WORK EXPERIENCE

From 8/07 to 8/08/2013

Summer Internship

Luzitin, S.A., Coimbra (Portugal)

EDUCATION AND TRAINING

From 09/2013 to 07/2015

Master of Science in Medicinal Chemistry

Final remark: 19/20

Faculty of Sciences and Technology, University of Coimbra

Scientific project: "Synthesis of conjugates of sulfonamides and tetrapyrrolic macrocycles with potential dual application in chemo- and phototherapy" 20/20

Catalysis & Fine Chemistry Laboratory, Coimbra Chemistry Centre

From 09/2010 to 07/2013

Bachelor's degree in Medicinal Chemistry

Final remark: 17/20

Faculty of Sciences and Technology, University of Coimbra

Internship: "Synthesis of building blocks for the development of a potential drug" 19/20

Catalysis & Fine Chemistry Laboratory, Coimbra Chemistry Centre

PERSONAL SKILLS

Mother tongue(s)

Portuguese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B1	B2
French	A2	A2	A2	A2	A2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Organisational / managerial skills	Local committee of 16th International Photodynamic Association World Congress, Coimbra 2017 Organizing committee of the Junior Chemistry Olympiad – (semi-final 2017, Coimbra) Organizing committee of the Junior Chemistry Olympiad – (semi-final 2016, Coimbra) Organizing committee of the XXIV SPQ Portuguese National Chemistry Meeting 2015 Organizing committee of the Junior Chemistry Olympiad – (semi-final 2015, Coimbra)
Computer skills	ChemBioDraw, MestReNova ,Origin, Marvin Sketch, GraphPad Prism 6, Quantity one, Fiji Software Office (Word, Excel, Powerpoint)
Volunteering	Volunteer at Amigos dos Animais do Concelho de Mira association since 01/2015 Member at Bairro do Amor- social solidarity association

ADDITIONAL INFORMATION

Communications in scientific meetings

Poster

- 13-“ Transfer Hydrogenation using Fe-NHC Based Catalysts”, Rita Lopes, Carolina S.Vinagreiro, Maria P. Robalo, Mariette M.Pereira, Beatriz Royo, Internacional Symposium in Synthesis and Catalysis, Évora, 5-8/09/2017
- 12-“ Development of new metal-based antimicrobial agents”, Carolina S. Vinagreiro, Rafael T. Aroso, Barbara Pucelik, Robert Paczynski, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, 4th EFMC Young Medicinal Chemist Symposium, Viena 31/08-01/09/2017
- 11- “Dual phototherapy: a promising alternative for classic antibiotics”, Carolina S. Vinagreiro, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Robert Paczynski, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, EFMC International Symposium on Advances in Synthetic and Medicinal Chemistry, Viena, 27-31/08/2017
- 10-“Development of new NIR dyes by Pd-catalysed aminocarbonylation” Vanessa A. Tome, Carolina S. Vinagreiro, Rafael T. Aroso, Mario J.F. Calvete, Mariette M. Pereira, XXV SPQ Portuguese National Chemistry Meeting , Lisboa, 16-19/07/2017
- 9- “Microwave-assisted Transfer Hydrogenation using Fe-NHC Based Catalysts in Glycerol”, Rita Lopes, Carolina S.Vinagreiro, Maria P. Robalo, Mariette M.Pereira, Beatriz Royo, EuCheMS International Organometallic Conference XXII, Amsterdam 9-13/07/2017
- 8-“New dual agents for antimicrobial photodynamic therapy”, Carolina S.Vinagreiro, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Robert Paczynski, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, 16th International Photodynamic Association World Congress, Coimbra 08-13/06/2017
- 7- “Tetrapyrrolic photosensitizers: are they the future for antimicrobial therapy?” Rafael T. Aroso, Carolina S. Vinagreiro, Barbara Pucelik, Janusz M. Dabrowski, Grazyna Stochel, Mario J.F. Calvete and Mariette M. Pereira, Chemistry Centre Day, Coimbra 18/10/2016
- 6- “Fluorinated Sulfonamide Tetrapyrrolic Macrocycles: promising neutral aPDT photosensitizers”, Carolina S.Vinagreiro, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, Chemistry Centre Day, Coimbra 18/10/2016

5- "Tuning the photophysical properties of fluorinated porphyrin derivatives: effect on biological activity and its application in design of efficient anticancer and antimicrobial PDT agents", Barbara Pucelik, Robert Paczynski, Carolina S. Vinagreiro, Nuno P.F. Gonçalves, Luis G. Arnaut, Mariette M. Pereira, Janusz M. Dąbrowski, 38th Meeting of the American Society for Photobiology, Tampa Bay, Florida 21-26/05/2016

4- "Microwave assisted hydrogen transfer reduction of ketones with Fe- NHC bifunctional catalysts" Rita Lopes, Carolina S. Vinagreiro, Marta Pineiro, Mariette M. Pereira, Beatriz Royo, 10th National Meeting of the Catalysis and Porous Materials, Lisboa 19-20/05/2016

3- "Meso-sulfonamide porphyrins as antibacterial photosensitizing agents" Carolina S. Vinagreiro, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, IV National Chemistry Students Meeting, Porto 18-20/03/2016

2- "Synthesis and biological evaluation of bimodal meso-sulfonamide porphyrins" Carolina S. Vinagreiro, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, 11^o Organic Chemistry National Meeting and 4^o Medicinal Chemistry Meeting, Porto 1-3/12/2015

1- "Tetrapyrrolic compounds: new achievements by C&FC" César A. Henriques, Sara M. Pinto, Carolina S. Vinagreiro, Vanessa A. Tomé, Mariette M. Pereira, Mário J.F. Calvete, Chemistry Centre Day, Coimbra 16/09/2014

Oral 9- "New alternatives for classic antibiotics: Dual phototherapy", Carolina S. Vinagreiro, Rafael T. Aroso, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Robert Paczynski, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, II International Caparica Conference in Antibiotic Resistance, Costa da Caparica, 12/06/2017

8- "Antimicrobial photodynamic therapy as a promising tool to overcome antibiotic resistance" Carolina S. Vinagreiro, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, Antibiotics 2016, Manchester 14/10/2016

7- "Iron and Nickel N-Heterocyclic Carbene complexes in catalytic reduction reactions", Rita Lopes, Carolina S. Vinagreiro, Marta Pineiro, Mariette M. Pereira, Beatriz Royo, EuCheMS Chemistry Congress, Sevilha, 12/09/2016

6- "Development of new anti-bacterial agents" Carolina S. Vinagreiro, Mario J.F. Calvete, Fabio A. Schaberle, Barbara Pucelik, Janusz M. Dabrowski, Luis G. Arnaut, Mariette M. Pereira, 5th Portuguese Young Chemists Meeting and 1st European Young Chemists Meeting, Guimaraes, 27/04/2016

5- "Synthesis of conjugates of sulfonamides and tetrapyrrolic macrocycles with potential dual application in chemo- and phototherapy" Carolina S. Vinagreiro, Nuno P.F. Gonçalves, Mario J.F. Calvete, Fabio A. Schaberle, Luis G. Arnaut, Mariette M. Pereira, I Scientific Meeting of NEQ/AAC – University of Coimbra 20/11/2015

4- "New photosensitizers with potential antibacterial activity" Carolina S. Vinagreiro, Nuno P.F. Gonçalves, Mario J.F. Calvete, Fabio A. Schaberle, Luis G. Arnaut, Mariette M. Pereira, XXIV SPQ Portuguese National Chemistry Meeting - University of Coimbra 03/07/2015

3- "The problem of bacterial resistance: synthesis of new sulfonamide substituted porphyrins as a potential solution" Carolina S. Vinagreiro, Nuno P.F. Gonçalves, Mario J.F. Calvete, Fabio A. Schaberle, Luis G. Arnaut, Mariette M. Pereira, 2nd Symposium on Medicinal Chemistry- University of Minho 08/05/2015

2- "Sulfonamides derived from pentafluorophenylporphyrins : synthesis and characterization"
Carolina S.Vinagreiro, Nuno Gonçalves PF, Fabio A. Schaberle, Luis G.Arnaut, Mariette M. Pereira, III National Chemistry Students Meeting – University of Aveiro 28/03/2015

1-"Synthesis and photophysical characterization of sulfonamides derived from pentafluorophenylporphyrins "
Carolina S. Vinagreiro, Nuno P.F. Gonçalves, Fabio A. Schaberle, Luis G.Arnaut, Mariette M. Pereira, XX Luso-Galician Chemistry Meeting – University of Porto 28/11 / 2014

Publications 2-“Synthesis of meso-substituted porphyrins using sustainable chemical processes” Sara M.A. Pinto, Cesar A. Henriques, Vanessa A. Tome, Carolina S. Vinagreiro, Mario J.F. Calvete, Janusz Dabrowski, Marta Pineiro, Luis G. Arnaut, Mariette M.M. Pereira, *J. Porphyrins and Phthalocyanines*, 2016, 20, 45-60.

1-“Synthesis and characterization of biocompatible bimodal meso sulfonamide-perfluorophenylporphyrins”, Carolina S. Vinagreiro, Nuno P.F. Gonçalves, Mário J. F. Calvete, Fábio A. Schaberle, Luís G. Arnaut, Mariette M. Pereira, *J. Fluorine Chem.* 2015, 180, 161-167.

Awards 5- Best oral communication at I Scientific Meeting of NEQ/AAC 19-20/11/ 2015
4-Best oral communication at III National Chemistry Students Meeting 2015
3-Scholarship concerning the tuition fees to the 2nd year of the Master of Science in Medicinal Chemistry by Luzitin, S.A.
2-The 3% Best Students Award in the academic year 2012/2013, University of Coimbra
1-Best High School student, Escola Secundária Dr^a Maria Cândida de Mira final remark: 18.4/20

Projects 2- Project advisor at Angelini University Award, “Produtos e Serviços para combater o crescente problema da resistência a Antibióticos” 2016/2017
1-Collaboration at the project QREN/LUZACNE of Luzitin, S.A.

Courses 3- General English, Upper Intermediate B2, British Study Center Oxford 17/08-26/08/2016
2- English Course: Intermediate level I and II (CEFR B1) – Language Center University of Coimbra 2014/2015
1- Patents: their relevance for academic and industrial research, Coimbra, 21-22/03/2013

