

February 24, 2014

Rui Moreira
Short Curriculum Vitae

Current Position Professor – Medicinal Chemistry
School of Pharmacy, University of Lisbon

Address

Av. Prof. Gama Pinto/ 1649-003 Lisboa / Portugal

Education/Training

University of Lisbon, 1985. MSc, Pharmaceutical Sciences

University of Lisbon, 1991. PhD

The Open University UK, 1992, Postdoctoral fellow

University of Lisbon, 2004. Habilitation

Positions and Academic Appointments

2011- Head, Department of Medicinal Chemistry, Faculty of Pharmacy, University of Lisbon

2010- Director, Research Institute for Medicines and Pharmaceutical Sciences, University of Lisbon

2006- Full Professor, Faculty of Pharmacy, University of Lisbon

2002-2007 Director, Research Centre for Pharmaceutical Sciences, University of Lisbon

2002-2006 Associate Professor, Faculty of Pharmacy, University of Lisbon

1991-2002 Assistant Professor, Faculty of Pharmacy, University of Lisbon

1985-1991 Research Assistant, Faculty of Pharmacy, University of Lisbon

Honors (selection)

2009 Luso-American Collaborative Response Awards: Towards New Research Partnerships on Malaria

1985 Sociedade Lusitana Award, Portuguese Pharmaceutical Society

Organization of Conferences (selection)

EFMC-International Symposium on Medicinal Chemistry 2012, Berlin

EFMC-International Symposium on Medicinal Chemistry 2014, Lisbon (Chair)

Project Management, Research Awards, and Extramural Grants

Nearly 2 million euros in direct funding from a variety of sources including companies and FCT (Portugal).

Supervision and Mentoring

Successfully supervised 11 PhD students. Currently supervising or co-supervising 9 PhD students. .

Scientific Grant Review Experience

Reviewer of the National Science Center, Poland

Reviewer of the Research Foundation from Flanders, Belgium (FWO).

Reviewer of the Council of Rectors for the Portuguese Universities (CRUP), Portugal

Original Papers in Peer Reviewed Journals (selection)

D. Miranda, R. Capela, I. S. Albuquerque, P. Meireles, I. Paiva, F. Nogueira, R. Amewu, J. Gut, P. J. Rosenthal, R. Oliveira, M. M. Mota, **R. Moreira**, F. Marti, M. Prudêncio, P. O'Neill, F. Lopes, 'Novel endoperoxide-based transmission-blocking antimalarials with liver- and blood-schizontocidal activities', *ACS Med. Chem. Lett.*, **2014**, accepted. DOI: 10.1021/ml4002985

C. J. A. Ribeiro, J. D. Amaral, C. M. P. Rodrigues, **R. Moreira**, M. M. M. Santos, 'Synthesis and evaluation of spiroisoxazoline oxindoles as anticancer agents' *Bioorg. Med. Chem.*, **2014**, 22, 577–584.

D. M. Santos, M.M. Santos, **R. Moreira**, S. Solá, C. M. P. Rodrigues, 'Synthetic Condensed 1,4-naphthoquinone Derivative Shifts Neural Stem Cell Differentiation by Regulating Redox State', **2013**, *Mol. Neurobiol.*, 47, 313-324.

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- T. Rodrigues, F. P. da Cruz, M. Prudêncio, M. Lafuente-Monasterio, D. Gonçalves, A. R. Siteo, M. R. Bronze, J. Gut, P. J. Rosenthal, F.-Javier Gamo, M. M. Mota, F. Lopes, R. Moreira, 'Quinolone-4(1H)-imines are Potent Antiplasmodial Drugs Targeting the Liver Stage of Malaria', *J. Med. Chem.*, **2013**, *56*, 4811-4815.
- M. P. Carrasco, J. Gut, T. Rodrigues, F. Lopes, P. J. Rosenthal, **Rui Moreira**, D. J. V. A. dos Santos, 'Exploring the Molecular Basis of Qo bc1 Complex Inhibitors Activity to Find Novel Antimalarial Hits', *Mol. Inf.*, **2013**, *32*, 659-670.
- K. Hanson, A. Ressurreição, K. Buchholz, M. Prudêncio, J. D. Herman-Ornelas, M. Rebelo, W. L. Beatty, D. F. Wirht, T. Häscheid, **R. Moreira**, M. Marti, M. M. Mota, 'Torins are potent antimalarials that block replenishment of Plasmodium liver stage parasitophorous vacuole membrane proteins', *Proc. Natl Acad. Sci.*, **2013**, *110*, E2838-E2847. doi: 10.1073/pnas.1306097110.
- F. Montalbano, P. M. S. D. Cal, M. A. B. R. Carvalho, L. M. Gonçalves, S. D. Lucas, R. C. Guedes, L. F. Veiros, **R. Moreira**, P. M. P. Gois, 'Discovery of New Heterocycles with Activity against Human Neutrophil Elastase Based On A Boron Promoted One-Pot Assembly Reaction', *Org. Biomol. Chem.*, **2013**, *11*, 4465-4472.
- R. Oliveira, A. S. Newton, R. C. Guedes, D. Miranda, R. K. Amewu, A. Srivastava, J. Gut, P. J. Rosenthal, P. M. O'Neill, S. A. Ward, F. Lopes, **R. Moreira**, 'An Endoperoxide-Based Hybrid Approach to Deliver Falcipain Inhibitors Inside Malaria Parasites', *ChemMedChem*, **2013**, *8*, 1528-1536.
- J. Lavrado, P. M. Borralho, S. A. Ohnmacht, R. E. Castro, C. M. P. Rodrigues, R. Moreira, D. J. V. A. dos Santos, S. Neidle, A. Paulo, 'Synthesis, G-quadruplex stabilization, docking studies and effect on cancer cells of indolo[3,2-b]quinolines with one, two or three basic side chains', *ChemMedChem*, **2013**, *8*, 1648-1661.
- A. S. Ressurreição, D. Gonçalves, A. R. Siteo, I. S. Albuquerque, J. Gut, A. Góis, L. M. Gonçalves, M. R. Bronze, T. Häscheid, G. A. Biagini, P. J. Rosenthal, M. Prudêncio, P. O'Neill, M. M. Mota, F. Lopes, **R. Moreira**, 'Structural optimization of quinolone-4(1H)-imines as dual-stage antimalarials: towards increased potency and metabolic stability', *J. Med. Chem.*, **2013**, *56*, 7679-7690.
- C.J.A. Ribeiro, S. P. Kumar, J. Gut, L. M. Gonçalves, P. J. Rosenthal, **R. Moreira**, M.M.M. Santos 'Squaric acid/4-aminoquinoline conjugates: novel potent antiplasmodial agents', *Eur. J. Med. Chem.*, **2013**, *69*, 365-372.
- T. Rodrigues, F. P. da Cruz, M. Prudêncio, M. M. Mota, J. Gut, P. J. Rosenthal, **R. Moreira**, F. Lopes, 'Flavones as isosteres of 4(1H)-quinolones: discovery of ligand efficient and dual stage antimalarial lead compounds', *Eur. J. Med. Chem.*, **2013**, *69*, 872-880.
- S. D. Lucas, L. M. Gonçalves, L. M. Afonso, H. F. Correia, E. M. R. Da Costa, R. A. Guedes, **R. Moreira**, R. C. Guedes, 'Optimization of O3-Acyl Kojic Acid Derivatives as Potent and Selective Human Neutrophil Elastase Inhibitors', *J. Med. Chem.*, **2013**, *56*, 9802-9806.
- G. Mugumbate, A. S. Newton, P. J. Rosenthal, J. Gut, **R. Moreira**, K. Chibale, R. C. Guedes, 'Identification of novel potential antimalarial leads by virtual screening', *J. Comput. Aided Mol. Des.*, **2013**, *27*, 859-871.
- J. Matos, F. P. da Cruz, E. Cabrita, J. Gut, F. Nogueira, V. E. do Rosário, **R. Moreira**, P. Rosenthal, M. Prudêncio, P. Gomes, 'New potent metallocenes against liver stage malaria', *Antimicrob. Agents Chemother.*, **2012**, *56*, 1564-1570.
- C. J. A. Ribeiro, S. P. Kumar, **R. Moreira**, M. M. M. Santos, 'Efficient synthesis of spiroisoxazoline oxindoles', *Tetrahedron Lett.*, **2012**, *53*, 281-284.
- F. P. da Cruz, C. Martin, K. Buchholz, M. J. Lafuente-Monasterio, T. Rodrigues, B. Sönnichsen, **R. Moreira**, F.-J. Gamo, M. Marti, M. M. Mota, M. Hannus, M. Prudêncio, 'High-throughput drug screen targeted at *Plasmodium* liver stages identifies a potent multi-stage anti-malarial drug', *J. Inf. Dis.*, **2012**, *205*, 1278-1286.
- G. Mata, C. Casimiro, V. E. do Rosário, L. Constantino, **R. Moreira**, 'Carbamate Derivatives of Primaquine: Antimalarial Activity, Chemical Stability and Enzymatic Activation', *Bioorg. Med. Chem.*, **2012**, *20*, 886-892.
- F. Montalbano, N. R. Candeias, L. F. Veiros, V. André, M. T. Duarte, M. R. Bronze, **R. Moreira**, P. M. P. Gois, 'Four Component Assembly of Chiral N-B Heterocycles with a Natural Product Like Framework', *Org. Lett.*, **2012**, *14*, 988-891.
- T. Rodrigues, F. Lopes, **R. Moreira**, 'Microwave-assisted Wittig reaction of semistabilized nitro-substituted benzyltriphenyl-phosphorous ylides with aldehydes in phase-transfer conditions', *Syn. Comm.*, **2012**, *42*, 747-755.
- S. P. Kumar, P. M. C. Glória, L. M. Gonçalves, J. Gut, P. J. Rosenthal, **R. Moreira**, M. M. M. Santos, 'Squaric acid: a valuable scaffold for developing antimalarials?', *MedChemComm*, **2012**, *3*, 489-493.
- A. B. Santana, S. D. Lucas, R. C. Guedes, J. Iley, **R. Moreira**, '*N*-Acyl and *N*-sulfonyloxazolidine-2,4-diones are pseudo-irreversible inhibitors of elastase', *Bioorg. Med. Chem. Lett.*, **2012**, *22*, 3993-3997.
- S. D. Lucas, L. Gonçalves, **R. Moreira**, R. C. Guedes, 'Discovery of Human Neutrophil Elastase Inhibitors by Virtual Screening', *MedChemComm*, **2012**, *3*, 1299-1304.

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