

ANDREIA ALBUQUERQUE-WENDT

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Sir William Dunn School of Pathology, University of Oxford, South Parks Road, OX1 3RE, Oxford, UK

RESEARCH INTERESTS

I studied Applied Chemistry (Biotechnology) (BSc) and Biochemistry (BSc) at FCT-UNL (Portugal). In 2013, I obtained a Master degree in Biomedical Sciences - Molecular Biology and International Tropical Medicine at IHMT-UNL, specializing in the field of *Leishmania* parasites. In 2018, I got my PhD in Molecular Medicine from MHH, focusing on the study of glycobiology of *Toxoplasma gondii*. Recently, I got an Individual Fellowship (H2020) to develop post-doctoral research on *Leishmania* transporters proteins at the Sir William Dunn School of Pathology - University of Oxford - UK. My current scientific interests lie in Apicomplexa glycobiology as well as *Leishmania* host-pathogen interactions.

EDUCATION

Doctor of Philosophy (**PhD**) in Molecular Medicine. **2018**. Department of Clinical Biochemistry, Medizinische Hochschule Hannover, Germany. Supervisor: Prof. Dr. Françoise Routier.

Master (**MSc**) of Biomedical Sciences - Molecular Biology and International Tropical Medicine. **2013**. Leishmaniasis group, Instituto de Higiene e Medicina Tropical – Universidade Nova de Lisboa, Portugal. Supervisors: Prof. Dr. Lenea Campino and Dr. Sofia Cortes.

Bachelor (**BSc**) in Biochemistry. **2011**. Faculty of Sciences and Technologies – New University of Lisbon, Portugal. Supervisor: Prof. Dr. César Laia.

Bachelor (**BSc**) in Applied Chemistry – Biotechnology. **2010**. FCT-UNL/Leishmaniasis group, IHMT-UNL, Portugal. Supervisors: Prof. Dr. Lenea Campino and Dr. Sofia Cortes.

RELEVANT EXPERIENCE

2019-

Co-chair of the Cell and Development Progress Seminars, Sir William Dunn School of Pathology University of Oxford, UK

Chair of the Postdoc Association, Sir William Dunn School of Pathology University of Oxford, UK

2018-

Post-doctoral researcher, Sir William Dunn School of Pathology, University of Oxford, UK (*since September*)

Post-doctoral researcher and co-supervisor of undergraduate student trainees, Department of Clinical Biochemistry, Medizinische Hochschule Hannover, Germany (*February to August*)

2011-2014

Research fellow, Leishmaniasis group, Instituto de Higiene e Medicina Tropical – Universidade Nova de Lisboa, Portugal

2011-2012

Member of the Pedagogic Committee of the Instituto de Higiene e Medicina Tropical – Universidade Nova de Lisboa, Portugal.

PUBLICATIONS

G. Bandini*, **A. Albuquerque-Wendt***, J. Hegermann, J. Samuelson and F. H. Routier. Protein O- and C-glycosylation pathways in *Plasmodium falciparum* and *Toxoplasma gondii*, *Parasitology*, 2019, 1-12. doi: 10.1017/S0031182019000040. (*co-first authors)

S. Cortes*, **A. Albuquerque-Wendt***, C. Maia, M. Carvalho, L. Lima, L.A.R. de Freitas, W.L.C. dos- Santos, L. Campino. Elucidating in vitro and in vivo behaviour of *L. infantum*/*L. major* natural hybrids. *Parasitology*, 2018, Doi: 10.1017/S0031182018001993 (*co-first authors)

C. Hoppe, **A. Albuquerque-Wendt**, A. Shcherbakova, F.F.R. Buettner, L. Izquierdo, H. Bakker, F. H. Routier. Apicomplexan C-mannosyltransferases modify thrombospondin type I containing adhesins of the TRAP family. *Glycobiology*, 2018, 28(5): 333-343. Doi: 10.1093/glycob/cwy013.

A. Albuquerque, L. Campino, L. Cardoso, S. Cortes. Evaluation of four molecular methods to detect *Leishmania* infection in dogs. *Parasites & Vectors*, 2017, 10(1): 57. Doi 10.1186/s13071-017-2002-2

S. Cortes*, **A. Albuquerque***, L. Cabral, L. Lopes, L. Campino, M.L. Cristiano. In vitro susceptibility of *Leishmania infantum* to selected anti-protozoan peroxides. *Antimicrobial Agents and Chemotherapy*, 2015, 59(8):5032-5. Doi: 10.1128/AAC.00298-15 (*co-first authors)

A. Albuquerque, L. Campino, S. Cortes. In vitro biological behavior of *Leishmania infantum*/*L. major* hybrid strains from Mediterranean basin, Portugal. In XI European Multicolloquium of Parasitology, V. Cosma (Ed.), Medimond International Proceedings, Bolonha, 2012, pp. 5-9.

RESEARCH MONOGRAPHS

A. Albuquerque-Wendt. 2018. Glycosylation of thrombospondin type 1 repeat containing proteins. Importance of C-mannosylation in *Toxoplasma gondii*. PhD thesis in Molecular Medicine. Medical School of Hannover

A. Albuquerque. 2013. New species of *Leishmania* and hybrids – implications in the pathogenesis of infection. Master thesis in Biomedical Sciences: Molecular biology and International Tropical Medicine. Institute of Hygiene and Tropical Medicine – New University of Lisbon

A. Albuquerque. 2010. Study of in vitro biological behavior of parental and hybrid strains of *Leishmania*. Bachelor thesis in Applied Chemistry – Biotechnology. Faculty of Sciences and Technologies – New University of Lisbon

MEMBERSHIPS AND AFFILIATIONS

External member of the Vector Borne-Diseases and Pathogens group, Medical Parasitology unit, Global Health & Tropical Medicine (GHTM) center, Instituto de Higiene e Medicina Tropical (IHMT), Universidade Nova de Lisboa (UNL), Lisbon, Portugal (since 2019)

Member of Biochemical Society (since 2018)

Member of British Society of Parasitology (since 2012)