

## ANDREIA ALBUQUERQUE WENDT

[afrrla@hotmail.com](mailto:afrrla@hotmail.com), [andreia.albuquerque-wendt@glasgow.ac.uk](mailto:andreia.albuquerque-wendt@glasgow.ac.uk)

Wellcome Centre for Integrative Parasitology, Institute of Infection, Immunity and Inflammation, College of Medical Veterinary & Life Sciences, Sir Graham Davies Building, University of Glasgow, 120 University Place, Glasgow, G12 8TA

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### EDUCATION

**PhD** in Molecular Medicine. **2018**. Department of Clinical Biochemistry, Medizinische Hochschule Hannover, Germany.

**MSc** in Biomedical Sciences - Molecular Biology and International Tropical Medicine. **2013**. Leishmaniasis group, Instituto de Higiene e Medicina Tropical – Universidade Nova de Lisboa, Portugal.

**BSc** in Biochemistry. **2011**. Faculty of Sciences and Technologies – New University of Lisbon, Portugal.

**BSc** in Applied Chemistry – Biotechnology. **2010**. FCT-UNL/Leishmaniasis group, IHMT-UNL, Portugal.

### EMPLOYMENT HISTORY

**2020-** Post-doctoral research associate, - Wellcome Centre for Integrative Parasitology, Institute of Infection, Immunity and Inflammation, College of Medical Veterinary & Life Sciences, University of Glasgow, Glasgow, UK

**2018-20** Post-doctoral researcher, Sir William Dunn School of Pathology, University of Oxford, UK

**2018** 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

### OTHER RELEVANT EXPERIENCE

**2019-**, 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

**2019-20**, Co-chair of the Cell and Development Progress Seminars, Sir William Dunn School Pathology University of Oxford, UK

**2019** Chair of the Postdoc Association, Sir William Dunn School of Pathology University of Oxford, UK

### LIST OF PUBLICATIONS

1. C. Ricce Espada, J. C. Quilles Jr, **A. Albuquerque-Wendt**, M. C. Cruz, T. Beneke, L. Lorenzon, E. Gluenz, A. K. Cruz, S. R. B. Uliana. Effective genome editing in *Leishmania (Viannia) braziliensis* stably expressing Cas9/T7. *Frontiers in cellular and infection microbiology*, **2021**, 10;11:772311. doi: 10.3389/fcimb.2021.772311.
2. C. Ricce Espada, **A. Albuquerque-Wendt**, V. Hornillos, E. Gluenz, A.C. Coelho, S. Uliana. Ros3 (Lem3p/CDC50) gene dosage is implicated in miltefosine susceptibility in *Leishmania (Viannia) braziliensis* clinical isolates and in *Leishmania (Leishmania) major*. *ACS Infectious Diseases*, **2021**, 7(4):849-858. doi: 10.1021/acsinfecdis.0c00857.
3. **A. Albuquerque-Wendt**, D. Jacot, N. Pacheco, C. Seegers, P. Zarnovican, D. Soldati-Favre, H. Bakker, F. H. Routier. C-Mannosylation of *Toxoplasma gondii* proteins promotes attachment to host cells and parasite virulence. *Journal of Biological Chemistry*, **2020**, 295(4): 1066-1076. Doi: 10.1074/jbc.RA119.010590.
4. **A. Albuquerque-Wendt**, H. J. Hütte, F. F. R. F. Buettner, H. Routier, H. Bakker. Membrane Topological Model of Glycosyltransferases of the GT-C Superfamily. *International journal of molecular sciences*, **2019**, 20(19): E4842. Doi: 10.3390/ijms20194842.

5. G. Bandini\*, **A. Albuquerque-Wendt\***, J. Hegermann, J. Samuelson, F. H. Routier. Protein O- and C-glycosylation pathways in *Plasmodium falciparum* and *Toxoplasma gondii*. *Parasitology*, **2019**, 146(14): 1755-1766. Doi: 10.1017/S0031182019000040. (\*co-first).
6. S. Cortes\*, **A. Albuquerque-Wendt\***, C. Maia, M. Carvalho, L. Lima, L. A. R. Freitas, W. L. C. dos-Santos, L. Campino. Elucidating *in vitro* and *in vivo* behaviour of *L. infantum*/*L. major* natural hybrids. *Parasitology*, **2019**, 146(5): 580-587. Doi: 10.1017/S0031182018001993 (\*co-first).
7. 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.
8. **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.
9. S. Cortes\*, **A. Albuquerque\***, L. Cabral, L. Lopes, L. Campino, M. L. Cristiano. *In vitro* susceptibility of *Leishmania infantum* to Artemisinin Derivatives and selected Trioxolanes. *Antimicrobial Agents and Chemotherapy*, **2015**, 59(8): 5032-5. Doi: 10.1128/AAC.00298-15 (\*co-first).

## PRESENTATIONS AT SCIENTIFIC MEETINGS

2<sup>st</sup> International Caparica on-line Congress on Leishmaniasis, **2020**, Caparica, Portugal (oral: shotgun)

Biology of Parasitism (BoP): Modern Approaches, **2019**, Woodshole, MA, USA (poster and oral)

1<sup>st</sup> International Caparica Congress on Leishmaniasis, **2018**, Caparica, Portugal (oral)

BSP Spring Meeting, **2018**, Aberystwyth, UK (poster and oral)

TOXO14, **2017**, Tomar, Portugal (poster)

BSP Spring Meeting, **2017**, Dundee, UK (poster)

Glycobiology Gordon Research Conference, **2017**, Ventura, CA, USA (poster)

BSP Spring Meeting, **2014**, Cambridge, UK (poster).

Microscopy in Research, **2013**, Monte da Caparica, Portugal (poster)

WorldLeish 2013, **2013**, Porto Galinhas, Brazil ( 2 posters)

2<sup>o</sup> Congresso Nacional de Medicina Tropical, **2013**, Lisbon, Portugal (2 posters)

XI European Multicoloquium of Parasitology (EMOP XI), **2012**, Cluj-Napoca, Romania (poster)

XVI Congresso Português de Parasitologia, **2012**, Lisbon, Portugal (poster)

XIV Congresso Português de Parasitologia, **2010**, Porto, Portugal (oral)

## OUTREACH ACTIVITIES

“DNA Outreach” event, **2019**, Pegasus Primary School, Oxford, UK (talk and demonstration)

“Parasites and Sugar”, PubhD, **2019**, St. Aldates Tavern, Oxford, UK (talk)

“Parasites and Parasitism: The good, the bad and the ugly”, Super Science Saturday: Microworld, **2018**, Oxford Museum of Natural History, UK (stall with “hands-on” science activities)

IF Science + Ideas Festival, **2018**, City Center of Oxford, UK (crowd management)

Skype a Scientist, **2018**, Sir William Dunn School of Pathology, University of Oxford/Ohio, USA (skype call with multiple high school classrooms from USA)

Scientific English, **2017**, Medizinische Hochschule Hannover, Germany (scientific talk to high school graduates taking a gap year)

Science Slam, **2015** and **2016**, Leibniz University, Germany (talk)

Open day, **2013-2014**, Instituto de Higiene e Medicina Tropical – Universidade Nova de Lisboa, Portugal (talk)

Volunteer mentor of “Fun Science” in *Transformers*, a juvenile association dedicated to work social challenges in youth, [www.projectotransformers.org](http://www.projectotransformers.org), **2013-2014**, Casa Pia de Lisboa, Portugal (visits to regional state youth housing and interactive performance with “hands-on” science activities)