

Workshop

Gene editing & regulation in protozoan parasites & their vectors

27th October - 2nd November 2022 (GMT+1)

Workshop organisers

Dr. Andreia Wendt Dr. Sofia Cortes

WCIP, University of Glasgow IHMT, Universidade NOVA de Lisboa

In this workshop, organised in a **2-day webinar** and a **3-day hands-on** we aim to:

- **Align** academic research with industry requirements to enhance translational research potential
- **Share** the latest advances on gene editing and regulation in protozoan parasites, as well as their vectors
- **Enable** the development of novel tools and approaches to better understand host-parasite-vector interactions
- **Challenge** an interactive discussion between participants and speakers, towards advancing the field

Thursday 27th October – Protozoan session

09.15-10.00 – *Babesia* – Prof. Masahito Asada (Nagasaki University, JP)

10.00-10.45 – *Plasmodium* – Dr. Lauriane Sollelis (University of Zurich, CH/University of Glasgow, UK)

10.45-11.00 – *Coffee Break*

11.00-11.45 – *Toxoplasma* – Dr. Clare Harding (University of Glasgow, UK)

11.45-12.30 – *Trypanosoma brucei* – Prof. Samuel Dean (University of Warwick, UK)

12.30-14.00 – *Lunch*

14.00-14:45 – TrypTag & LeishTag – Dr. Richard Wheeler (University of Oxford, UK)

14.45-15.30 – LeishGEdit & LeishGEM – Prof. Eva Gluenz (University of Bern, CH)

15.30-16.15 – *Leishmania* – Prof. Greg Matlashewski (McGill University, CA)

16.15-16.30 – *Coffee Break*

16.30-17:15 – *Trypanosoma cruzi* – Prof. Noelia Marina Lander (University of Cincinnati, USA)

17:15-18.00 – VEuPathDB – Dr. Omar Harb (University of Pennsylvania, USA)

Friday 28th October – Vector session

09.15-10.00 – Target validation & Drug discovery – Dr. Manu De Ryker (University of Dundee, UK)

10.00-10.45 – GSK, Dr. Tim Miles (Tres Cantos Open Lab, GSK, SP)

10.45-11.00 – *Coffee Break*

11.00-11.45 – Case Study – Dr. Alvaro Acosta-Serrano (Liverpool School of Tropical Medicine, UK)

11.45-12.30 – Triatomines – Prof. Helena Araujo (Federal University of Rio de Janeiro, BZ)

12.30-14.00 – *Lunch*

14.00-14:45 – VectorBase – Prof. Mary Ann McDowell (University of Notre Dame, USA)

14.45-15.30 – Sand flies – Dr. Isabelle Louradour (Institut Pasteur Paris, FR)

15.30-16.15 – Tsetse flies – Prof. Geoffrey Attardo (UC Davis, USA)

16.15-16.30 – *Coffee Break*

16.30-17:15 – Ticks – Prof. Monika Gulia-Nuss (University of Nevada, USA)

17:15-18.00 – Mosquitoes – Prof. Anthony A. James (University of California, USA)



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