Miniature Worlds: Organoid Research in Parasitology

8th November 2024, 12.30pm - 5.00pm GMT

West Hub, Cambridge University, JJ Thomson Ave, Cambridge CB3 0US | UK

Invited Speakers

Dr. Maria Duque Correa, *Cambridge Stem Cell Institute*
Dr. David Smith, *Moredun Research Institute*
Dr. Mattie Pawlowic, *University of Dundee*
Professor John Dalton, *University of Galway*

Welcome and Registration - Location: East 2, West Hub

12:30	12:30-13:30 Lunch and Meet the Parasitology Editors *(In person only)*	
13:30	**Workshop session,** chaired by Cinzia Cantacessi	
13:35	**Introduction** *(for online, please join Zoom link provided)*	
13:45	**Dr. David Smith**, *Moredun Research Institute* Developing and applying livestock organoids for host: pathogen research	
14:15	**Professor Collette Britton**, *University of Glasgow* Using organoids to study GI nematode-host interactions	
14:25	**Dr. Maria Duque Correa**, *Cambridge Stem Cell Institute* Caecaloids to unravel the whipworm niche at the host intestinal epithelia	
14:55	**Dr. Matias Gaston Perez**, *University of Glasgow* A helminth-derived microRNA regulates gut gene expression and inhibits cell differentiation essential for innate immune response	
15:05	Comfort break	25 mins
15:30	**Dr. Mattie Pawlowic**, *University of Dundee* Intestinal organoid models for investigating *Cryptosporidium* biology	
16:00	**Dr. Rens Zonneveld**, *Amsterdam University Medical Center* Culture of *Leishmania* parasites from clinical skin biopsies – options for use in organotypic leishmaniasis models	
16:10	**Professor John Dalton**, *University of Galway* In vitro co-culture of *Fasciola hepatica* newly excysted juveniles (NEJs) with 3-D HepG2 spheroids permits novel investigation of host-parasite interactions	
16:40	**Dr. Jan Perner**, *Czech Academy of Sciences* Ex vivo blood-feeding systems of ticks to reveal the unknowns at the tick-host interface	
16:50	Closing remarks	
17:00	End	

UNIVERSITY OF CAMBRIDGE
School of Biological Sciences

CAMBRIDGE UNIVERSITY PRESS