

TACKLING GLOBAL HEALTH CHALLENGES THROUGH INTERDISCIPLINARY KNOWLEDGE EXCHANGE & INNOVATION



THE BLOOMSBURY SET®
CONFERENCE ON INFECTIOUS DISEASE AND AMR
LONDON 2021

PROGRAMME:

Monday 22nd February 2021 – 1:30pm to 3:30pm (GMT)

Interdisciplinary knowledge exchange to tackle global health challenges

How important is it to transcend disciplinary boundaries when addressing complex systems such as global health?

This first session of The Bloomsbury SET Conference 2021 will provide an overview of The Bloomsbury SET knowledge exchange programme, followed by keynote presentations which explore new perspectives on interdisciplinary work to foster innovation and the broader ecosystem of universities, commercialisation and policy making.

Presentations:

Introduction to the conference and the Bloomsbury SET

Dr Emma Tomlinson (session Chair) Chair of The Bloomsbury SET Steering Group and Head of Research Development, RVC- Introduction to the conference and the Bloomsbury SET

Keynote presentations:

Dr Jeremy Salt, Chief Scientific Officer at GALVmed

Professor Joyce Tait, Co-Director Innogen Institute, University of Edinburgh

Wednesday 24th February 2021 – 11am to 12:30pm (GMT)

Research Translation, Commercialisation and Impact

What are the pathways to deliver positive social, environmental and economic impact from the knowledge generated by research?

This panel discussion, aimed at early career researchers, will bring diverse perspectives on how an innovative environment to support translational research can be encouraged and nurtured. Speakers will share their different perspectives on working with interdisciplinary teams to develop transformative solutions to complex challenges. Exploring routes to take research into action through commercialisation or how to have impact on the policy making process.

Panellists:

Professor Chris Taylor, SPARK Academic Director, Cardiff University Social Science Research Park (SPARK)

Hugo Villanueva (PhD), Innovation and Business Development Director, Stevenage Bioscience Catalyst

This session is chaired by **Alexandra Anderson (PhD)**, London School of Hygiene and Tropical Medicine

Wednesday 24th February 2021 – 2pm to 3:30pm (GMT)

Funding interdisciplinary global health research

This conference session, aimed at early career researchers, explores the broader remit of funding interdisciplinary global health research and ongoing priorities. It brings together representatives of relevant funding bodies to discuss the priority areas to drive breakthroughs in the control of infectious diseases and antimicrobial resistance, both nationally and globally.

Panellists:

Professor Helen Lambert, Professor of Medical Anthropology and Challenge Leader for Global Health, UKRI, Bristol Medical School

Jo Frost, National Contact Point & Global Innovation Lead, Health & Medicine, Innovate UK

Ruth Neale, Programme Manager, Global Health and Longitude Prize, NESTA Challenges

This session is chaired by **Dr Aygen Kurt-Dickson**, Research and Innovation Strategy Manager, LSE

Thursday 25th February 2021 – 11am to 12:30pm (GMT)

Responding to emerging infectious diseases

A session of fast paced, four minute, lightning talks presenting a selection of Bloomsbury SET programme projects connecting expertise in biological sciences, human and veterinary diagnostics, epidemiology, health economics, artificial intelligence, big data, disease surveillance, public health and social science.

Following an open call to all Bloomsbury SET projects, the following lightning talks were submitted for inclusion in the conference programme:

- *Enhancing Political Economy Research Skills to Tackle Infectious Disease and Antimicrobial Resistance (AMR) Challenges in Livestock Systems.* **Dr Mehroosh Tak**, Lecturer in Agribusiness, RVC
- *Machine Learning to Combat AMR in Veterinary Practice.* **Professor David Brodbelt**, Professor of Evidence Based Veterinary Medicine, RVC
- *Developing a Living Efficacy Tracker of Treatments for Soil-Transmitted Helminths.* **Luzia Freitas**, MSc, Tropical Diseases Data Scientist, RVC
- *PHMB Based Antifungal Nanoparticles for Improved Killing of Zoonotic Fungi.* **Winnie Ntow-Boahene**, PhD Student, RVC
- *Demographic Drivers of Disease Prevention among Welsh Cattle Farmers.* **Neil Paton**, Lecturer in Farm Animal Health and Production, RVC
- *Mining the Unmapped Reads in Bovine RNA-Seq Data Reveals the Prevalence of Bovine Herpes Virus-6 in European Dairy Cows and the Associated Changes in their Phenotype and Leucocyte Transcriptome.* **Dr Laura Buggiotti**, Bloomsbury SET Innovation Fellow, RVC

This session is chaired by **Caroline Broad**, Director, Broad Associates Ltd. and Entrepreneur in Residence, RVC

Thursday 25th February 2021 – 2pm – 3:30pm

Applying innovation and knowledge exchange approaches to the field of emerging infectious disease

This session brings together a panel of experts from the areas of diagnostic and vaccine development, health data integration, biosciences and capacity building. Speakers will explore the challenges and opportunities for developing skills, fostering creative ideas, partnerships and accelerating impact.

Panellists:

Dr Martin Smith, Head of Manufacturing Science and Technology, Vaccines Manufacturing and Innovation Centre

Sarah Cordery (PhD), Scientific & Research Project Coordinator, Global AMR Innovation Fund (GAMRIF)

Professor Paul Davis, Chief Scientific Officer, Mologic

This session is chaired by **Dr Ying Chen**, Head of Research and KE Delivery, SOAS

Friday 26th February – 11am – 12:30pm

Connecting capabilities: building successful interdisciplinary collaboration and what's next for the Bloomsbury SET

This closing plenary will review the week, highlighting key messages and look towards the future of The Bloomsbury SET programme. The discussion will centre on the benefits and challenges of multidisciplinary collaboration.

Dr Ray Kent, Lead for The Bloomsbury SET and Director of Research Administration, RVC

Presentations:

Professor Janet Hemingway, Liverpool School of Tropical Medicine

Professor Claire Heffernan, Professor Claire Heffernan, Director of London International Development Centre, Chair in Global Development RVC and LSHTM