

9th Annual Edinburgh Infectious Diseases Symposium 10 and 11 November 2020

Tuesday 10 November

13:00: **Ross Fitzgerald** (Director Edinburgh Infectious Diseases) – Welcome and introduction

13:10: **Keith Matthews** (School of Biological Sciences) – Quorum sensing and competition in African trypanosomes

13:30: **Kate Templeton** (Royal Infirmary of Edinburgh) – Coronavirus diagnostics

13:50: **Jim Kaufman** (School of Biological Sciences) – Generalists and specialists: more on a new way of thinking about MHC and disease

14:10: LEG STRETCH

14:20: **ECR Lightning talks 1** - 3 minutes, 1 slide!

1. **Rose Blake** (The Roslin Institute) – Investigating the early interaction between MAP and the host using a bovine enteroid model
2. **Antonia Chalka** (The Roslin Institute) – Building Salmonella typhimurium host prediction models using multiple genomic features
3. **Liz Hughes** (School of Biological Sciences) – To grow or not to grow...that is the question
4. **Tessa Nash** (The Roslin Institute) – Inside-out chicken enteroids with leukocyte component as a model to study host-pathogen interactions
5. **Stephanie Brien** (R(D)SVS and the Roslin Institute) – Integrating information on disease risk and immunogenetic diversity to guide conservation decision-making in a wild ungulate reintroduction programme

14:40: **Helen Alexander** (School of Biological Sciences) – Evolution to the rescue: understanding pathogen survival in challenging environments

15:00: **Steve Jenkins** (Centre for Inflammation Research) – The life and times of a macrophage: only the good die young?

15:20: **POSTER SESSION 1**

16:00: **KER MEMORIAL LECTURE: Ron Fouchier** (Erasmus MC, Rotterdam) – Emergence of respiratory viruses in humans, with focus on influenza

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Wednesday 11 November

09:30: **KER MEMORIAL PRIZE WINNER: You (Leo) Li** (Usher Institute) – Global seasonality of respiratory viruses and the association between viral acute respiratory infection and subsequent pneumococcal disease

09:50: **ECR Lightning talks 2** - 3 minutes, 1 slide!

1. **Iona Walker** (Edinburgh Centre for Medical Anthropology) – AMR and COVID-19 Beyond the Military Metaphor
2. **Samantha Griffiths** (Infection Medicine) – A novel miRNA-host transcription factor feedback loop to control HSV-1 replication
3. **Stanley Otoboh** (School of Biological Sciences) – Genetic validation of the function of PfEMP1 in Plasmodium falciparum rosette formation
4. **Nia Verdon** (School of Physics and Astronomy) – AMR bacteria can protect each other in small populations
5. **Susana Keane** (The Roslin Institute) – Potential proviral human proteins in influenza A virus infection

10:10: **Till Bachmann** (Infection Medicine) – AMR, One Health, and the Path to Better Diagnostics

10:30: **Nicki Lynskey** (Roslin Institute) – Deciphering the genetic basis for virulence traits in pathogenic streptococci

10:50: **Clare Hamilton** (Moredun Research Institute) – Towards the characterisation of virulence of Toxoplasma gondii

11:10: LEG STRETCH

11:20: **POSTER SESSION 2**

12:00: **Lukas Engelmann** (School of Social and Political Science) – Covid-19 and the Case for a new History of Epidemiology

12:20: **Tim Connelley** (Roslin Institute) – Using cattle immunogenetics and associated tools to enhance vaccine development

12:40: **Helen Stagg** (Usher Institute) – Adherence to treatment: what does this mean for infectious disease control?

13:00: **Ross Fitzgerald** (Director Edinburgh Infectious Diseases) – CLOSE