

MONDAY JUNE 19

12.00-12.50 Registration

Lunch and coffee

Poster setup

12.50-13.00 Welcome

LSHTM Events, Serge Mostowy

13.00-14.00 Keynote Speaker Pascale Cossart (Institut Pasteur)

How we gave birth to a star

Session 1 Chairs Serge Mostowy and Daniel Humphreys

14.15-14.30 Giulia Manigrasso, MRC LMB

Orientia tsutsugamushi hijacks BICD-dependent dynein motility for intracellular transport and autophagy evasion

14.30-14.45 Samkeliso Lisa Blundell, Imperial College

The Salmonella effector SteD is a co-activator of the E3 ubiquitin ligase WWP2

14.45-15.00 Miguel Hernandez-Gonzalez, Francis Crick

Imaging poxvirus assembly and exit from infected cells

15.00-15.30 Coffee break

Poster setup

Session 2 Chair: Phil Elks

15.30-15.45 Margarida Gomes, LSHTM

Training innate immunity in zebrafish using Shigella

15.45-16.00 Thomas Burgess, Sheffield

Boosting the innate immune response to Candida albicans infections via HIF modulation

16.00-16.15 Guy Pearson, Francis Crick

Delivering an Envelope! SARS-CoV-2 Envelope hijacks an ARFRP1-AP1-AP1AR trafficking pathway to deacidify lysosomes

16.15-17.00 Flash poster presentations

Gizem Ozbaykal-Guler, LSHTM

The role of septin heteromer composition on cage entrapment of Shigella

Keith Egger, KCL

Determination of Salmonella T3SS SPI-2 effectors involved in inhibition of interferon signaling

Ines Diaz del Olmo, Imperial College

Non-canonical reprogramming of transcriptional pathways by Salmonella Typhimurium

Shan Yin, KCL

NMR and GC-MS metabolomic studies of symbioses between bacterial vaginosis-associated bacteria and lactobacilli

Daniel Stark, Sheffield

The role of bacterial endosymbionts in host-Mucorales interactions

Stevens Robertin, LSHTM

Use of Staphylococcus aureus to study septin interactions with Gram-positive bacterial pathogens

Richard Allen, Warwick

Investigating Staphylococcus aureus - Macrophage Interactions during Infection via the Type VII Secretion System

17:00 -19:00 Poster presentations and networking

With drinks and snacks

Tuesday June 20

8.30-9.00 Coffee and setup

9.00-10.00 Keynote Felix Randow (MRC LMB)

How cells defend their cytosol against invasive bacteria

Session 3 Chair: Charlotte Odendall

10.15-10.30 Magdalena Szczesna, Imperial College

How cytosolic bacteria inhibit RNF213-mediated cell autonomous immunity

10.30-10.45 Miriam Kutsch, Heinrich Heine University (Germany)

Stick it together: how GBPs activate the non-canonical inflammasome

10.45-11.00 Lucy Thorne, UCL / Imperial College

Convergent evolution of SARS-CoV-2 VOCs to enhance innate immune suppression

11.00-11.15 Ann-Kathrin Reuschl, UCL

Enhanced innate immune evasion by SARS-CoV-2 Omicron subvariants

11.15-12.00 Flash poster presentations

Ramon Garcia Maset, UCL

The role of urine microenvironment in biofilm and antibiotic response on uropathogens

Janis Romanopulos, KCL

Translation of pleurocidin-derived antimicrobial peptide therapeutics

Ioanna Panagi, Imperial College

Molecular dissection of kinase reprogramming by bacterial effectors

Yizhou Huang, Imperial College

Analysing antibacterial autophagy during infection with Burkholderia

Nagisa Yoshida, Cambridge

Establishing tools to study the microbicidal capacity of human placental macrophages across gestation

Zoe Charlotte Speirs, Sheffield

Modulating macrophages as a therapeutic strategy in a zebrafish tuberculosis model

12.00 -13.00 Poster presentations and networking

With lunch and coffee

Session 4 Chair: Jennifer Rohn

13.00-13.15 Enrica Pellegrino, Francis Crick

The role of peroxisomes during M. tuberculosis infection of human macrophages

13.15-13.30 Kathryn Wright, Centenary Institute (Australia)

Mycobacterial infection-induced miR-126 protects the host by suppressing permissive macrophages

13.30-13.45 JJ Awodipe, Warwick

Early transcriptomic responses of osteoblasts and Staphylococcus aureus during intracellular infection

13.45-14.00 Daniel Foulkes, Liverpool

Exotoxin inhibitors as new therapeutics: A drug discovery pipeline from in vitro to in vivo analysis

14.00-14.30 Discussion and Prize giving

With coffee and snacks

15:00 Departure