

# Cell Dynamics: Host-Pathogen Interface

## Provisional programme

### Sunday 8 May 2022

- 12:00**      **Registration opens**
- 12:30 – 13:50**      **Lunch**
- 14:00 – 14:15**      **Sharon Ahmad** Journal of Cell Science, UK  
Welcome
- 14:15 – 14:35**      **Maria Mota** Institute of Molecular Medicine, Portugal  
*Plasmodium*-hepatocyte interface: avoiding death in so many different ways
- 14:45 – 15:05**      **Friedrich Frischknecht** University of Heidelberg, Germany  
Environmental sensing by *Plasmodium* during transmission
- 15:15 – 15:25**      **Short talk 1 selected from abstracts**
- 15:30 – 15:40**      **Short talk 2 selected from abstracts**
- 15:45 – 16:25**      **Coffee break**
- 16:30 – 16:50**      **Matt Welch** University of California, Berkeley, USA  
Mobilization of the actin cytoskeleton by microbial pathogens
- 17:00 – 17:20**      **Serge Mostowy** London School of Hygiene & Tropical Medicine, UK  
The septin cytoskeleton in antibacterial defense
- 17:30 – 17:40**      **Short talk 3 selected from abstracts**
- 17:45 – 17:55**      **Short talk 4 selected from abstracts**
- 18:00 – 19:00**      **Free time**
- 19:00 – 20:00**      **'Speed dating' event and pre-dinner drinks**
- 20:00 – 21:30**      **Dinner**

## Monday 9 May 2022

- 07:00 – 08:20** **Breakfast**
- 08:30 – 08:55** **Careers at a Glance**
- 09:00 – 09:20** **Michael Way** The Francis Crick Institute, UK  
Reconstituting microtubule-based motility of *Vaccinia virus in vitro*
- 09:30 – 09:50** **Mojgan Naghavi** Northwestern University, USA  
Mimicry of microtubule regulators by HIV-1 capsid
- 10:00 – 10:10** **Short talk 5 selected from abstracts**
- 10:15 – 10:30** **Sponsored talk**
- 10:30 – 11:10** **Coffee break**
- 11:15 – 11:35** **Derek Walsh** Northwestern University, USA  
Why nuclei rotate during cytomegalovirus infection
- 11:45 – 12:05** **Sonja Marie Best** National Institutes of Health, USA  
Flavivirus control of mitochondrial dynamics: how and why?
- 12:15 – 12:25** **Short talk 6 selected from abstracts**
- 12:30 – 13:50** **Lunch**
- 14:00 – 14:20** **Eva Frickel** University of Birmingham, UK  
Host defence by human guanylate binding proteins in macrophages
- 14:30 – 14:50** **Felix Randow** MRC Laboratory of Molecular Biology, UK  
How cells defend their cytosol against bacterial invasion
- 15:00 – 15:10** **Short talk 7 selected from abstracts**
- 15:15 – 15:25** **Short talk 8 selected from abstracts**
- 15:30 – 15:40** **Group photo**
- 15:45 – 16:10** **Coffee break**
- 16:15 – 16:35** **Florence Niedergang** Institut Cochin, France  
How to build a phagosome: when new players are revealed by pathogens
- 16:45 – 17:05** **Thierry Soldati** University of Geneva, Switzerland  
Fixing a leaky *Mycobacterium*-containing vacuole with ESCRT and autophagy
- 17:15 – 17:35** **Maximiliano Gutierrez** The Francis Crick Institute, UK  
*Mycobacterium tuberculosis* infection of host cells in time and space
- 17:45 – 17:55** **Short talk 9 selected from abstracts**
- 18:00 – 18:25** **Poster flash talks**
- 18:30 – 19:55** **Poster session 1 and pre-dinner drinks**
- 20:00 – 21:30** **Dinner**

## Tuesday 10 May 2022

- 07:00 – 08:20** **Breakfast**
- 08:30 – 08:50** **Jae U. Jung** University of Southern California, USA  
Viral evasion of host programmed cell death
- 09:00 – 09:20** **Michaela Gack** University of Chicago, USA  
Innate sensing of viral pathogens and viral immune escape
- 09:30 – 09:40** **Short talk 10 selected from abstracts**
- 09:45 – 10:00** **Sponsored talk**
- 10:00 – 10:40** **Coffee break**
- 10:45 – 11:05** **Sara Cherry** University of Pennsylvania, USA  
Using functional genomics to explore virus-host interactions
- 11:15 – 11:35** **Nihal Altan-Bonnet** National Institutes of Health, USA  
All aboard: vesicles, viruses and strength in numbers
- 11:45 – 11:55** **Short talk 11 selected from abstracts**
- 12:00 – 12:25** **Careers at a Glance**
- 12:30 – 13:30** **Lunch**
- 13:30 – 16:00** **Free time**
- 16:00 – 16:25** **Coffee break**
- 16:30 – 16:50** **Dominique Soldati-Favre** University of Geneva, Switzerland  
Zoom in on the composition and function of the conoid in Apicomplexa
- 17:00 – 17:20** **Isabelle Tardieux** Institute for Advanced Biosciences, France  
Exploring how *Toxoplasma* coordinates forces to access the host cell
- 17:30 – 17:40** **Short talk 12 selected from abstracts**
- 17:45 – 17:55** **Short talk 13 selected from abstracts**
- 18:00 – 18:25** **Poster flash talks**
- 18:30 – 19:55** **Poster session 2 and pre-dinner drinks**
- 20:00 – 21:30** **Dinner**

## Wednesday 11 May 2022

**07:00 – 08:25** **Breakfast and check out**

**08:30 – 08:50** **Craig Roy** Yale School of Medicine, USA  
Modulation of host cell functions by bacterial effector proteins

**09:00 – 09:10** **Short talk 14 selected from abstracts**

**09:15 – 09:35** **Teresa Thurston** Imperial College London  
How Salmonella infection and a switch in kinase specificity drives macrophage polarisation

**09:45 – 09:55** **Short talk 15 selected from abstracts**

**10:00 – 10:10** **Short talk 16 selected from abstracts**

**10:15 – 10:55** **Coffee break**

**11:00 – 11:20** **Robin May** University of Birmingham, UK  
Deciphering the dynamics of the host-pathogen interface during a fatal human fungal infection

**11:30 – 11:40** **Short talk 17 selected from abstracts**

**11:45 – 12:15** **Pascale Cossart** Institut Pasteur, France  
Host-Listeria interactions in the era of microbiomes

**12:25 – 12:30** **Michael Way** The Francis Crick Institute, UK  
Closing remarks

**12:30 – 13:30** **Lunch and depart**