

# Imaging Cell Dynamics Meeting

Pestana Palace, Lisbon, Portugal  
14 – 17 May 2023

## Provisional programme

### Sunday 14 May 2023

- 12:00**            **Registration opens**
- 12:30 – 13:50**   **Lunch**
- 14:00 – 14:15**   **Seema Grewal/Michael Way** Journal of Cell Science, UK  
Welcome
- 14:15 – 14:35**   **Jennifer Lippincott-Schwartz** HHMI Janelia Research Campus, USA  
Mapping the structural and diffusional landscape of organelle contact sites from the microscale to the nanoscale
- 14:45 – 15:05**   **Wanda Kukulski** University of Bern, Switzerland  
The architecture of organelle contact sites
- 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**   **Suliana Manley** EPFL, Switzerland  
Organelle structure and dynamics: Biophysical mysteries and insights
- 17:00 – 17:20**   **Francesca Bottanelli** Freie Universität Berlin, Germany  
Investigating cellular logistics with live-cell STED super-resolution microscopy
- 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 networking event and pre-dinner drinks**
- 20:00 – 21:30**   **Dinner**

## Monday 15 May 2023

- 07:00 – 08:20** **Breakfast**
- 08:30 – 08:55** **Careers at a glance**
- 09:00 – 09:20** **Ricardo Henriques** Instituto Gulbenkian de Ciência, Portugal  
Open technologies to image cellular dynamics through super-resolution and machine learning
- 09:30 – 09:50** **Hari Shroff** HHMI Janelia Research Campus, USA  
Multiscale biological imaging at high spatiotemporal resolution
- 10:00 – 10:10** **Short talk 5 selected from abstracts**
- 10:15 – 10:25** **Short talk 6 selected from abstracts**
- 10:30 – 11:10** **Coffee break, posters and exhibition**
- 11:15 – 11:35** **Erdinc Sezgin** Karolinska Institutet, Sweden  
Visualizing the biophysical properties of cells in health and disease
- 11:45 – 12:05** **Gaudenz Danuser** University of Texas Southwestern, USA  
Perturbation-free causal inference in molecular systems
- 12:15 – 12:25** **Short talk 7 selected from abstracts**
- 12:30 – 13:50** **Lunch**
- 14:00 – 14:20** **Yannick Schwab** European Molecular Biology Laboratory, Heidelberg, Germany  
Cellular EM exploration of model and non-model organisms using volume multimodal correlations
- 14:30 – 14:50** **Lucy Collinson** The Francis Crick Institute, UK  
VP-CLEM-KIT: Building a low-cost, user-friendly pipeline for high resolution volume CLEM
- 15:00 – 15:10** **Short talk 8 selected from abstracts**
- 15:15 – 15:25** **Short talk 9 selected from abstracts**
- 15:30 – 15:40** **Group photo**
- 15:45 – 16:10** **Coffee break, posters and exhibition**
- 16:15 – 16:35** **Michael Way** The Francis Crick Institute, UK  
Uncovering new insights into vaccinia virus assembly and egress with cryo-ET
- 16:45 – 17:05** **Rob Parton** The University of Queensland, Australia  
Cave exploration at the nanoscale: Multimodal molecular imaging to study membrane microdomains
- 17:15 – 17:25** **Short talk 10 selected from abstracts**
- 17:30 – 17:40** **Short talk 11 selected from abstracts**

- 17:45 – 18:10 **Poster flash talks**
- 18:15 – 19:40 **Poster session 1, exhibition and pre-dinner drinks**
- 19:45 – 21:15 **Dinner**

## Tuesday 16 May 2023

- 07:00 – 08:20 **Breakfast**
- 08:30 – 08:50 **Melike Lakadamyali** University of Pennsylvania, USA  
Visualizing the inner life of cells with super-resolution microscopy
- 09:00 – 09:20 **Christophe Leterrier** CNRS-Aix Marseille University, France  
The functional nano-architecture of axonal actin
- 09:30 – 09:40 **Short talk 12 selected from abstracts**
- 09:45 – 10:00 **Sponsored talk**
- 10:00 – 10:45 **Coffee break, posters and exhibition**
- 10:45 – 11:05 **Yvette Wong** Northwestern University, USA  
Dynamics of mitochondrial and lysosomal crosstalk in health and neurodegeneration
- 11:15 – 11:35 **Erika Holzbaur** University of Pennsylvania, USA  
Organelle quality control in neurons
- 11:45 – 11:55 **Short talk 13 selected from abstracts**
- 12:00 – 12:10 **Short talk 14 selected from abstracts**
- 12:15 – 13:30 **Lunch**
- 13:30 – 16:00 **Free time**
- 16:00 – 16:25 **Coffee break, posters and exhibition**
- 16:30 – 16:50 **Daria Siekhaus** Institute of Science and Technology Austria, Austria  
Examining the dynamic interplay between the properties of macrophages and their surroundings that enable tissue infiltration
- 17:00 – 17:20 **Tal Arnon** University of Oxford, UK  
Adaptive immunity and immune niches
- 17:30 – 17:40 **Short talk 15 selected from abstracts**
- 17:45 – 17:55 **Short talk 16 selected from abstracts**
- 18:00 – 18:25 **Poster flash talks**
- 18:30 – 19:55 **Poster session 2, exhibition and pre-dinner drinks**
- 20:00 **Dinner**

## Wednesday 17 May 2023

- 07:00 – 08:20 **Breakfast**
- 08:30 – 08:50 **Meng Meng Fu** National Institutes of Health, USA  
Imaging the oligodendrocyte: From molecules to animals
- 09:00 – 09:10 **Short talk 17 selected from abstracts**
- 09:15 – 09:35 **Verena Ruprecht** Centre for Genomic Regulation, Spain  
Mechanical control of cell and tissue morphodynamics and plasticity
- 09:45 – 09:55 **Short talk 18 selected from abstracts**
- 10:00 – 10:10 **Short talk 19 selected from abstracts**
- 10:15 – 10:55 **Coffee break**
- 11:00 – 11:10 **Short talk 20 selected from abstracts**
- 11:15 – 11:25 **Short talk 21 selected from abstracts**
- 11:30 – 11:50 **Caren Norden** Instituto Gulbenkian de Ciência, Portugal  
Retinal neurogenesis and lamination: What to become, where to become and how to go from there...
- 12:00 – 12:15 **Closing remarks**
- 12:15 – 13:30 **Lunch and depart**