

# Diversity and Evolution in Cell Biology

Montanyà Hotel & Lodge, Catalonia, Spain

24 – 27 June 2024

## Provisional programme

### Day 1: Monday 24 June

- 12:00**            **Registration opens**
- 12:30 – 13:50**   **Lunch**
- 14:00 – 14:15**   **Welcome**
- 14:15 – 14:35**   **Rebecca Heald** University of California, Berkeley, USA  
Mechanisms of biological size control and scaling in frogs
- 14:45 – 15:05**   **Omayya Dudin** EPFL, Switzerland  
Ichthyosporeans and the evolution of animal embryogenesis
- 15:15 – 15:25**   **Selected speaker 1**
- 15:30 – 15:40**   **Selected speaker 2**
- 15:45 – 16:25**   **Coffee break**
- 16:30 – 16:50**   **Greg Jedd** Temasek Life Sciences Laboratory, Singapore  
Physiology and evolutionary genetics of adaptive cellular traits in understudied eukaryotic taxa
- 17:00 – 17:10**   **Selected speaker 3**
- 17:15 – 17:25**   **Selected speaker 4**
- 17:30 – 18:30**   **Free time**
- 18:30 – 19:30**   **Speed networking and pre-dinner drinks**
- 19:30**            **Dinner**

## Day 2: Tuesday 25 June

- 08:30 – 09:00** **Careers at a glance**
- 09:00 – 09:20** **Courtney Schroeder** University of Texas Southwestern, USA  
Evolutionary diversification of cytoskeletal proteins for tissue-specialized roles
- 09:30 – 09:40** **Selected speaker 5**
- 09:45 – 09:55** **Selected speaker 6**
- 10:00 – 10:15** **Sponsored talk**
- 10:15 – 10:55** **Coffee break, posters and exhibition**
- 11:00 – 11:20** **Meg Titus** University of Minnesota, USA  
Diverse mechanisms of myosin-based filipodia formation
- 11:30 – 11:50** **Aoife Heaslip** University of Connecticut, USA  
Dynamic actin networks facilitate cargo transport in *Toxoplasma gondii*
- 12:00 – 12:10** **Selected speaker 7**
- 12:15 – 12:25** **Selected speaker 8**
- 12:30 – 13:50** **Lunch**
- 14:00 – 14:20** **Scott Dawson** University of California, Davis, USA  
Giardia's ventral disc illuminates the evolution of microtubule organelle form and function
- 14:30 – 14:50** **Lilian Fritz-Laylin** University of Massachusetts, Amherst, USA  
The diversification of cytoskeletal networks as a driver of eukaryotic evolution
- 15:00 – 15:10** **Selected speaker 9**
- 15:15 – 15:25** **Selected speaker 10**
- 15:30 – 15:40** **Group photo**
- 15:40 – 16:10** **Coffee break, posters and exhibition**
- 16:15 – 16:35** **Holly Goodson** University of Notre Dame, USA  
Intracellular transport and cell motility in red algae
- 16:45 – 17:05** **Mukund Thattai** NCBS, Tata Institute of Fundamental Research, India  
Regulatory and evolutionary landscape of eukaryotic vesicle traffic
- 17:15 – 17:25** **Selected speaker 11**
- 17:30 – 18:00** **Poster flash talks**
- 18:00 – 19:30** **Poster session 1, exhibition and pre-dinner drinks**
- 19:30** **Dinner**

## Day 3: Wednesday 26 June

- 08:30 – 08:50** **Wallace Marshall** University of California, San Francisco, USA  
Pattern formation and regeneration in *Stentor coeruleus*
- 09:00 – 09:20** **Liedewij Laan** Delft University of Technology, The Netherlands  
Self-organization and complexity in the evolution of fungal cell polarity
- 09:30 – 09:40** **Selected speaker 12**
- 09:45 – 10:00** **Sponsored talk**
- 10:00 – 10:40** **Coffee break, posters and exhibition**
- 10:45 – 11:05** **Snezhka Oliferenko** The Francis Crick Institute, UK  
Exploiting divergent biology of two fission yeasts to understand membrane function
- 11:15 – 11:35** **Courtney Stairs** Lund University, Sweden  
Oxygen is overrated: respiratory chains in anaerobic mitochondria
- 11:45 – 11:55** **Selected speaker 13**
- 12:00 – 12:10** **Selected speaker 14**
- 12:15 – 13:30** **Lunch**
- 13:30 – 16:00** **Free time**
- 16:00 – 16:25** **Coffee break, posters and exhibition**
- 16:30 – 16:50** **Bungo Akiyoshi** University of Edinburgh, UK  
Evolutionary cell biology of chromosome segregation
- 17:00 – 17:20** **Gautam Dey** European Molecular Biology Laboratory, Germany  
Mitotic rewiring on evolutionary timescales
- 17:30 – 17:40** **Selected speaker 15**
- 17:45 – 17:55** **Selected speaker 16**
- 18:00 – 18:30** **Poster flash talks**
- 18:30 – 20:00** **Poster session, exhibition and pre-dinner drinks**
- 20:00** **Dinner**

## Day 4: Thursday 27 June

- 09:00 – 09:20** **Laura Eme** Université Paris-Saclay, France  
Genomic surprises from microbial eukaryotes
- 09:30 – 09:50** **Anna Karnkowska** University of Warsaw, Poland  
Crossing the line: transition from endosymbiont to organelle
- 10:00 – 10:10** **Selected speaker 17**
- 10:15 – 10:55** **Coffee break**
- 11:00 – 11:20** **Thomas Richards** University of Oxford, UK  
How can cell systems support a stable endosymbiotic interaction
- 11:30 – 11:50** **Kevin Verstrepen** VIB, Belgium  
A genome-wide screen for genetic buffering genes in *Saccharomyces cerevisiae*
- 12:00 – 12:20** **Eugene Koonin** National Institutes of Health, USA  
The origin of eukaryotes: the game of endosymbiosis
- 12:30** **Closing remarks**
- 12:45** **Lunch and depart**