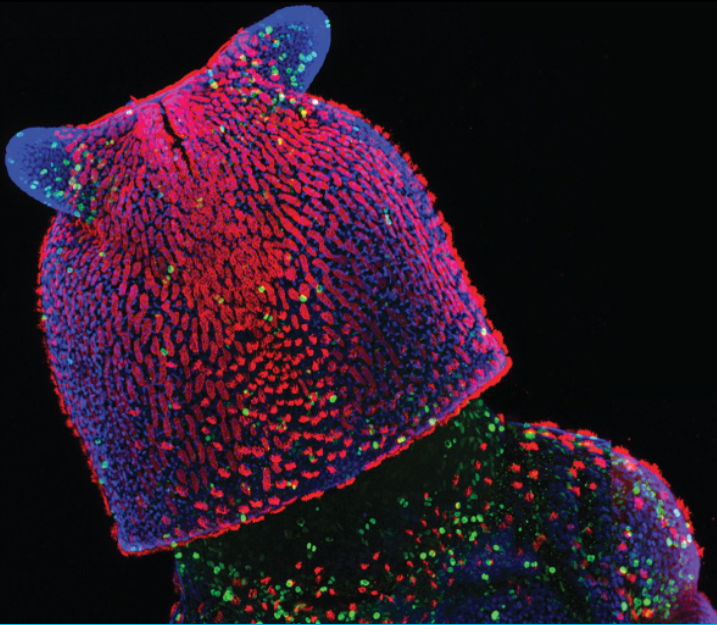


Provisional Programme

Unconventional and Emerging Experimental Organisms in Cell and Developmental Biology



Wotton House, Surrey, UK, 17 – 20 September 2023



Development

Unconventional and Emerging Experimental Organisms in Cell and Developmental Biology

Provisional Programme

Sunday 17 September 2023

12:00 **Registration opens**

14:30 **Welcome: Development, UK**

14:40 **Session 1**

Inaki Ruiz-Trillo, Institut de Biologia Evolutiva, CSIC, Spain

Cells, genes, and the unpredictability of animal origins

Susana Coelho, Max Planck Institute for Biology, Germany

The brown alga *Ectocarpus*: a model to study the origin and evolution of multicellular development

Magdalena Bezanilla, Dartmouth College, USA

How *P. patens* has provided a single cell perspective of tissue patterning

Amy Gladfelter, University of North Carolina, USA

Form and function of syncytial cells

Short talks selected from abstracts

18:30 **Pre-dinner drinks and poster viewing**

19:45 **Dinner**

Monday 18 September 2023

08:00 **Breakfast**

09:00 **Session 2**

Aissam Ikmi, EMBL, Germany

Design principles of early animals: Insights from Cnidaria

Mani Srivastava, Harvard University, USA

The power of panther worms: Insights into development, regeneration, and stem cells from the acoel *Hofstenia miamia*

Short talks selected from abstracts

12:30 **Lunch**

13:30 **Free time**

15:30 **Session 3**

Ehab Abouheif, McGill University, Canada

Ants, eco-evo-devo, and the evolution of biological complexity

Kim Cooper, UC San Diego, USA

Evolution of extreme skeletal proportion in bipedal jerboas

Discussion session

17:30 **Poster session 1**

19:30 **Dinner**

Tuesday 19 September 2023

08:00 **Breakfast**

09:30 **Session 4**

Pauline Schaap, University of Dundee, United Kingdom

Evolution of developmental signalling in the multicellular Dictyostelia from stress pathways in their unicellular ancestors

Short talks selected from abstracts

12:30 **Lunch**

14:00 **Session 5**

Peter Dearden, University of Otago, New Zealand

Adventures in insect plasticity and sociality

Hanh Vu, EMBL, Germany

Mechanisms of body size control: lessons from planarian flatworms

Short talks selected from abstracts

17:30 **Poster session 2**

19:30 **Dinner**

Wednesday 20 September 2023

08:00 **Breakfast and check out**

09:30 **Session 6**

Andrew Gillis, Marine Biological Laboratory, USA

Embryology of the little skate (*Leucoraja erinacea*) and evolution of the vertebrate skeleton

Ricardo Mallarino, Princeton, USA

The developmental basis of biological diversity: patterning mechanisms in mammalian skin

Short talks selected from abstracts

12:30 **Lunch/Depart**