

Growth, Division and Differentiation: Understanding Developmental Control

Wiston House • West Sussex • 18 - 21 September 2011



Programme

Sunday 18 September 2011

- 12:30 – 14:00 Lunch
- 14:00 – 14:15 **Introductions**
- The Company of Biologists - **Claire Moulton**
- Workshop - **Nancy Papalopulu** and **Anna Philpott**
- **Chair – Marc Kirschner**
- 14:15 – 14:55 **Ludger Hengst**
- Control of cell proliferation and cell cycle exit by the CDK inhibitor p27-Kip1
- 14:55 – 15:35 **Jackie Lees**
- The Rb tumour suppressor in fate commitment and cancer
- 15:35 – 16:15 Tea break
- 16:15 – 16:55 **P. Renee Yew**
- CDK inhibitor regulation during the *Xenopus* cell cycle
- 16:55 – 17:35 **Peter Sicinski**
- Cyclin E constrains Cdk5 activity to control synaptic plasticity and memory formation
- 18:00 – 19:30 Pre-dinner drinks and posters
- 19:30 – 21:00 Dinner
- 21:00 – 22:00 Slide presentations
- 21:00 – 23:30 Bar open

- 08:00 – 09:00 Breakfast
- **Chair – Jackie Lees**
- 09:00 – 09:40 **Philipp Kaldis**
Loss of Cdk2 and Cdk4 induces a switch from proliferation to differentiation in neural stem cells
- 09:40 – 10:20 **Federico Calegari**
Expansion of neural stem cells by manipulation of G1 length
- 10:20 – 11:00 Group photograph
Coffee break
- 11:00 – 11:40 **Anna Philpott**
Cell cycle-regulated control of proneural protein function
- 11:40 – 12:20 **Wieland B. Huttner**
Neural stem cells and the evolution of the cerebral cortex
- 12:30 – 13:30 Lunch
- 13:30 – 15:00 Walk (meet at Reception)
- 15:00 – 15:30 Tea break
- **Chair – Peter Sicinski**
- 15:30 – 16:10 **Helena Richardson**
Apical-basal polarity regulators in cell proliferation, survival and tumourigenesis
- 16:10 – 16:50 **Nancy Papalopulu**
Cell polarity and cell proliferation: the missing links
- 16:50 – 18:00 Break
- 18:00 – 19:30 Pre-dinner drinks
- Janet Pennington**
History talk on Wiston House
- 19:30 – 21:00 Dinner
- 21:00 – 22:00 Discussants present joint proposals
- 21:00 – 23:30 Bar open

- 08:00 – 09:00 Breakfast
- **Chair – Boyan Bonev**
- 09:00 – 09:40 **Fabienne Pituello**
Control of the cell cycle and spinal neurogenesis
- 09:40 – 10:20 **Bill Harris**
Cell proliferation in the retina
- 10:20 – 11:00 Coffee break
- 11:00 – 11:40 **Muriel Perron**
Wnt and Hedgehog signalling interactions in retinal stem cells
- 11:40 – 12:20 **Kristen Kroll**
Epigenetic regulation of neural cell fate acquisition
- 12:30 – 13:30 Lunch
- **Chair – Shin-ichi Ohnuma**
- 13:30 – 14:10 **Ryoichiro Kageyama**
The role of Notch signalling in embryonic and adult neural stem cells
- 14:10 – 14:50 **Nick Monk**
Modelling Notch signalling dynamics
- 14:50 – 15:30 Tea break
- 15:30 – 16:20 **Plenary talk**
Marc Kirschner
Measuring cell size: implications for growth control
- 16:20 – 18:00 Break
- 18:00 – 19:00 Pre-dinner drinks
- 19:00 – 21:00 Dinner
- 21:00 – 22:00 What are the big questions?
- 22:00 – 00:00 Bar open

- 08:00 – 09:00 Breakfast
- **Chair – Anna Kicheva**
- 09:00 – 09:40 **Nic Tapon**
Developmental control of tissue size by the Hippo signalling pathway in *Drosophila*
- 09:40 – 10:20 **Rod Bremner**
Key players in RB pathway tumourigenesis
- 10:20 – 11:00 Break
- 11:00 – 11:40 **Ginés Morata**
Cell competition and tumour development in *Drosophila*
- 11:40 – 12:00 **Nancy Papalopulu** and **Anna Philpott**
Overview of meeting
- 12:00 – 13:00 Lunch
Depart

