

Friday 15 October

12:00-14:30 Registration

14:45-15:00 Welcome and Introduction

Session 1 The dynamic structure of the cell

Chair: C. Gonzalez

15:00-15:30 D. Brunner (EMBL-Heidelberg, Germany)
“Organising Microtubules in Space and Time”

15:30-16:00 D. Cleveland
Guarding the genome: centromeres, motors, and the mitotic checkpoint

16:00-16:30 Isabelle Vernos (EMBL-Heidelberg, Germany)
Morphogenesis of the mitotic spindle

16:30-17:00 P. Bastiannes (EMBL-Heidelberg, Germany)
“Spatial partitioning of protein activities in signalling and morphogenesis
by cellular reaction cycles”

17:00-17:30 Coffee and posters

17:30-17:45 H. Lopez Schier (HHMI Rockefeller University, New York, USA)
"Development and maintenance of tissue architecture in the lateral line
organ of the zebrafish"

17:45-18:15 E. Knust (H. Heine University, Düsseldorf, Germany)
“Crumbs: from epithelial cell polarity to retinal degeneration”

18:15-18:30 V. Morel (University of Cambridge, Cambridge UK)
Planar polarization of the cell without the PCP pathway

18:30-19:00 C. Gonzalez (IRBB-PCB Barcelona, Spain)
“Induction of tumoral growth by altered cell fate in Drosophila”

19:00-19:30 Coffee and posters

19:30-20:30 Lewis Wolpert (UCL, London, UK)
“Problems with Positional Information”

Saturday 16 October

Session 2: Vesicle traffick and cell movement in development

Chair: M. Gonzalez Gaitan

- 9:00-9:30 M. Gonzalez Gaitan (MPI Dresden, Germany)
“Morphogenetic signaling and endocytosis”
- 9:30-10:00 F. Schweisguth (ENS Paris, France)
“Endocytosis and Notch receptor signaling in *Drosophila*”
- 10:00-10:30 G. Tear (Guys Hospital, London, UK)
Protein trafficking during axonal guidance in the *Drosophila* CNS
- 10:30-11:00 Coffee (and posters)
- 11:00-11:30 J. Casanova (CSIC, IRBB-PCB Barcelona, Spain)
“Cell migration and morphogenesis of the *Drosophila* tracheal system”
- 11:30-12:00 L. Solnica Krezel (Vanderbilt University, USA)
“The role of *knypek* and *trilobite* gastrulation regulators in slow muscle migration in zebrafish”
- 12:00-12:30 A. Nieto (Instituto Cajal, Madrid, Spain)
Snail 1 genes in convergence and extension movements in the zebrafish embryo
- 12:30-13:00 D. Stemple (Sanger Center, Hinxton, UK)
“The Zebrafish Notochord: A model vertebrate organ”
- 13:00-15:30 Lunch (and posters)

Session 3: From cells to organisms

Chair: M. Baylies

- 15:30-16:00 R. Kopan (Washington University, St. Louis, USA)
“Diverse roles for Notch signaling in vertebrate skin development”
- 16:00-16:30 M. Baylies (SKI, New York, USA)
" Creating Muscle Diversity in the Drosophila embryo"
- 16:30-16:45 J.P. Couso (University of Sussex, Brighton, UK)
Cell signalling and morphogenesis during Drosophila limb development
- 16:45-17:00 M. Milan (IRBB-PCB, Barcelona, Spain)
"Boundary formation in the Drosophila wing"
- 17:00-17:30 M. Torres (CNB Madrid, Spain)
“Homeobox genes in vertebrate organogenesis and regeneration”
- 17:30-18:00 Coffee (and posters)
- 18:00-19:00 D. Duboule (University of Geneva, Geneva, Switzerland)
“Understanding colinearity in vertebrates”
- 19:00 Closing remarks