SESSION 1 Frontiers in Developmental Biology I

SESSION 1.1: 9:00 - 10:40

Chairperson: Pedro Herrera
Faculty of Medicine, University of Geneva

09:00 – 09:25 Alexander Stark
The Research Institute of Molecular Pathology, Vienna
Decoding transcriptional regulation

09:25 – 09:50 Eileen Furlong
The European Molecular Biology Laboratory, Heidelberg
Genome regulation during developmental transitions

09:50 – 10:15 Jean-Paul Vincent
The Francis Crick Institute, London
Signals that control growth and patterning in developing epithelia

10:15 – 10:40 Jürgen Knoblich
Institute of Molecular Biotechnology, Vienna
Modelling human brain development and disease in 3D organoid culture

10:40 – 11:10 Break

SESSION 1.2: 11:10 – 12:25

11:10 – 11:35 Maria-Elena Torres-Padilla
Institut de Génétique et de Biologie Moléculaire et Cellulaire, Strasbourg
Heterochromatin remodeling is essential for reprogramming at fertilization

11:35 – 12:00 Christof Niehrs
Institute of Molecular Biology, Mainz
Not so canonical Wnt signaling

12:00 – 12:25 Edith Heard
Institut Curie, Paris
Developmental dynamics of X-chromosome inactivation: how to establish, maintain and reactivate gene silencing on a chromosome-wide scale

12:25 – 13:40 Lunch

SESSION 2 Frontiers in Developmental Biology II

SESSION 2.1: 13:40 – 15:20

Chairperson: Ariel Ruiz i Altaba
Faculty of Medicine, University of Geneva

13:40 – 14:05 Joanna Wysocka
Stanford University School of Medicine, Stanford
Gene regulatory mechanisms in human development and evolution

14:05 – 14:30 Thomas Lecuit
Institut de Biologie du Développement de Marseille, Marseille
Biomechanical control of tissue morphogenesis

14:30 – 14:55 Cedric Blanpain
Université Libre de Bruxelles, Bruxelles
Cancer cell of origin and tumor heterogeneity

14:55 – 15:20 Silvia Arber
Biozentrum, University of Basel and Friedrich Miescher Institute, Basel
Disentangling neuronal circuits for motor control

15:20 – 15:50 Break

SESSION 2.2: 15:50 – 17:15

15:50 – 16:15 Claude Desplan
New York University, New York
Generation of neuronal diversity through temporal and spatial patterning

16:15 – 16:40 Anne Ferguson-Smith
University of Cambridge, Cambridge
Murine metastable epialleles: Epigenetic control of variable phenotype, developmental programming and transgenerational epigenetic inheritance

16:40 – 17:05 Alexander Schier
Harvard University, Cambridge
Lineage tracing by genome editing

17:05 – 17:15 Konrad Basler and Denis Duboule
Concluding remarks

17:15 End of the Symposium