

2016 LOUIS-JEANTET SYMPOSIUM

CMU - Centre Médical Universitaire, Rue Michel-Servet 1, 1206 Geneva - Auditorium A250

Wednesday, 12 October 2016

FRONTIERS IN DEVELOPMENTAL BIOLOGY

08:15 – 08:50 **Registration and welcome coffee**

08:50 – 08:55 **Henri Bounameaux**
Dean of the Faculty of Medicine, University of Geneva
Opening

08:55 – 09:00 **Denis Duboule**
Faculty of Science, University of Geneva and EPFL, Lausanne

Konrad Basler
Institute of Molecular Life Sciences, University of Zürich
Welcome

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**