



**UNIVERSITÉ
DE GENÈVE**

Executive Board

David Shore
Emmanouil T. Dermitzakis
Denis Duboule
Didier Picard
Walter Reith

**6th iGE3 Annual Meeting
and presentation of the 5th iGE3 PhD Salary Awards**

**Uni Dufour, U300
Tuesday, 7 November 2017**

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|---------------|---|
| 08:30 – 09:00 | <i>Welcome coffee</i> |
| 09:00 – 09:10 | Opening by Prof. David Shore
iGE3 Director |
| 09:10 – 09:20 | Mini Symposium 1 , introduction by the organizer:
Prof. Alicia Sanchez-Mazas
Department of Genetics and Evolution – Anthropology Unit,
Faculty of Science (GENEV)
<i>From species to molecules: evolution, population diversity and gene
expression of functionally relevant polymorphisms.</i> |
| 09:20 – 10:10 | Prof. Dr. Ronald E. Bontrop
Biomedical Primate Research Centre, Rijswijk, The Netherlands
<i>Evolution of the MHC in primates.</i> |
| 10:10 – 10:30 | Stéphane Buhler
Department of Genetics and Evolution – Anthropology Unit,
Faculty of Science (GENEV, A. Sanchez-Mazas group)
<i>Joint Evolution of HLA genes through divergent asymmetric selection.</i> |
| 10:30 – 10:50 | Olivier Delaneau
Department of Genetic Medicine and Development, Faculty of Medicine
(GEDEV, Prof. M. Dermitzakis group)
<i>Intra - and inter-chromosomal chromatin interactions mediate genetic
effects on gene expression.</i> |
| 10:50 – 11:10 | <i>Coffee break</i> |

- 11:10 – 11:30 **Emi Nagoshi**
Department of Genetic and Evolution (GENEV), Faculty of Science
A genome-wide approach towards understanding sleep in Drosophila.
- 11:30 – 11:50 **Magdalena Wojtas**
Department of Molecular Biology (BIMOL, R. Pillai group),
Faculty of Science
Role of RNA modifications in gene expression control.
- 11:50 – 12:00 Presentation of the winners PhD Salary Awards 2017 by
Prof. Stylianos E. Antonarakis
- 12:00 – 12:10 **Ms. Simona Abbatemarco, PhD Salary Award winner**
Prof. Gotta Group, Faculty of Medicine, PHYME
*PQN - 59: a chaperone to avoid mitotic protein aggregation
and maintain genome stability?*
- 12:10 – 12:20 **Mr. Francisco Brito, PhD Salary Award winner**
Prof. Zdobnov Group, Faculty of Medicine, GEDEV
Discovering novel human viruses with shotgun metagenomics
- 12:20 – 12:30 **Ms. Marta Perez Frances, PhD Salary Award winner**
Prof. Herrera Group, Faculty of Medicine, GEDEV
*Transcriptome and methylome analyses of pancreatic polypeptide (PPY)-
expressing γ -cells*
- 12:30 – 12:40 **Mr. Roman Podolec, PhD Salary Award winner**
Prof. Ulm Group, Faculty of Science, BIVEG
*A genetic screen for players in the UV-B photoreceptor pathway in
Arabidopsis thaliana*
- 12:40 – 12:50 **Mr. Jeremy Rio, PhD Salary Award winner**
Prof. Currat Group, Faculty of Science, UANT
*Building a spatiotemporal European population continuity network
using paleogenomic data and computer simulations*
- 12:50 – 13:00 **Ms. Sofia Zaganelli, PhD Salary Award winner**
Prof. Martinou Group, Faculty of Science, BICEL
*Spatial organization of mitochondrial gene expression: the role of
mitochondrial RNA granules*
- 13:00 – 14:15 *Lunch*

- 14:15 – 14:20 **Mini Symposium 2**, introduction by the organizer:
Prof. Marguerite Neerman-Arbez
Department of Genetic Medicine and Development, Faculty of Medicine (GEDEV)
Genome architecture in Gene Regulation and Disease.
- 14:20 – 15:10 **Dr. Luca Giorgetti**,
Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Swizerland -
Towards a quantitative understanding of chromosome folding.
- 15:10 – 15:30 **Dr. Guillaume Andrey**
Max Planck Institute for Molecular Genetics, MOLGEN, Berlin, Germany
Dynamic 3D Chromatin Architecture Determines Enhancer Specificity and Morphogenetic Identity During Limb Development.
- 15:30 – 15:50 **Cindy Espitia**
Department of Genetic Medicine and Development, Faculty of Medicine (GEDEV)
A role for chromatin architecture in the expression of the fibrinogen gene cluster.
- 15:50 – 16:10 *Coffee break*
- 16:10 – 16:30 **Brenda Kwak**
Department of Pathology and Immunology (PATIM), Faculty of Medicine
Connecting hemodynamics to atherosclerosis.
- 16:30 – 16:50 **Rabih Murr**
Department of Genetic Medicine and Development, Faculty of Medicine (GEDEV)
Super Pioneer Transcription Factors: mechanisms of action and possible applications.
- 16:50 – 17:10 **Yvan Wenger**
Department of Genetic and Evolution (BIANI), Faculty of Science
Transcriptomic identification of patterning regulators in Hydra
- 17:10 – 17:40 Musical closure (piano) by **Adalberto Maria Riva**
The genes of music: how micro-structures can develop in different ways in a musical piece.
- 17:40 – 17:50 *Closure of the organizers*
- 17:50 – 18:30 *Aperitif*