

Tuesday, June 12

Registration

12/06/2018
15:30-17:30

Welcome reception

12/06/2018
17:30-18:30

Openings remarks

12/06/2018
18:30-19:00

| **Jérôme Gros & Bertrand Pain**

Keynote lecture

12/06/2018
19:00-20:00

| Erich JARVIS
The Rockefeller University, United States

Wednesday, June 13

Session 1: Stem, germ cells and biotechnology

13/06/2018
09:00-10:00

- 09:00 **1 Avian sex determination and gonadal sex differentiation**
Craig SMITH
Department of Anatomy and Developmental Biology, Monash University, Clayton, Australia
- 09:30 **2 Avian primordial germ cells for germline modifications**
Mike MCGREW
The Roslin Institute and Royal Dick School of Veterinary Studies, University of Edinburgh, United Kingdom

Coffee break

13/06/2018
10:00-10:30

Session 2: Stem, germ cells and biotechnology

13/06/2018
10:30-12:00

- 10:30 **3 Germ cell-mediated transgenesis and genome editing in avian species**
Jae Yong HAN
Department of Agricultural Biotechnology and Research Institute of Agriculture and Life Sciences, College of Agriculture and Life Sciences, Seoul National University, South Korea
- 10:55 **4 Three-dimensional culture of chicken primordial germ cells in chemically defined media containing the functional polymer FP003**
Yi-Chen CHEN
National Taiwan University, Taipei, Taiwan
- 11:08 **5 Transgenic development of a songbird**
Anna KEYTE
Jarvis Lab, Rockefeller University, New York, United States
- 11:21 **6 The chick embryonic hindbrain as a new source for neural stem cells**
Dalit SELA-DONENFELD
School of Veterinary Medicine, Faculty of Agriculture, The Hebrew University of Jerusalem, Rehovot, Israel
- 11:34 **7 Cellular and morphological characterization of chick blastoderm during diapause phenomenon**
Narayan POKHREL
Koret School of Veterinary Medicine, Hebrew University of Jerusalem, Rehovot, Israel

Lunch & Posters

13/06/2018
12:00-13:30

Session 3: Developmental Biology

13/06/2018
13:30-15:30

- 8 Olivier POURQUIÉ
13:30 *Harvard Medical School, United States*
- 9 Claudio STERN
13:55 *University College London, United Kingdom*
- 10 **Exploring the dynamics of pseudostratified epithelia using agent-based computational modelling**
14:20 Eric THEVENEAU
Center for Developmental Biology, CNRS, Toulouse, France
- 11 **Multi-scale quantification of tissue behavior during amniote embryo axis elongation**
14:33 Bertrand BENZAERAF
Centre de biologie intégrative, CNRS, Toulouse, France
- 12 **Timed collinear activation of Hox genes during gastrulation controls the avian forelimb position**
14:46 Chloé MOREAU
Institut Pasteur, Paris, France
- 13 **Establishment and Morphogenesis of the Ventral Embryonic Midline**
14:59 Tom SCHULTHEISS
Rappaport Faculty of Medicine, Dept. of Genetics, Technion-Israel Institute of Technology, Haifa, Israel

Coffee break

13/06/2018
15:30-16:00

Session 4: Developmental Biology

13/06/2018
16:00-17:30

- 14 Christophe MARCELLE
16:00 *Université de Lyon, France*
- 15 **Essential role of the avian ceca for formation of the hindgut enteric nervous system**
16:25 Nandor NAGY
Anatomy, Histology and Embryology, Avian developmental biology lab, Semmelwesi University, Faculty of Medicine, Budapest, Hungary
- 16 **Molecular and cellular mechanisms underlying limb muscle patterning**
16:38 Delphine DUPREZ
CNRS, Paris, France

- 16:51 **17 Development and functional activity of the embryonic gastrointestinal musculature**
Pascal DE SANTA BARBARA
PHYMEDEXP, INSERM, Montpellier, France
- 17:04 **18 Developmental plasticity of the limb neuromuscular system in response to changes in dactyly**
Maëva LUXEY
Institute of Zoology, University of Basel, Switzerland

Poster session (Drinks - cocktail)

13/06/2018
17:30-19:00

Session 5: Developmental Biology

13/06/2018
19:00-20:30

- 19:00 **19 Epithelial-Mesenchymal Transition during Chorioallantoic Fusion**
Guojun SHENG
Kumamoto University, Japan
- 19:25 **20 Phylogenetic evidence and ontogenetic mechanisms for evolvability in avian adaptive radiations**
Arkhat ABZHANOV
Natural History Museum London, Imperial College London, Ascot, United Kingdom
- 19:38 **21 Interacting cellular and molecular waves drive gain and loss of high fidelity feather patterning**
William HO
Developmental Biology, University of Edinburgh, The Roslin Institute, United Kingdom
- 19:51 **22 Pigment pattern formation in the bird embryonic skin**
Masafumi INABA
Pathology, Chuong lab, University of Southern California, Los Angeles, United States
- 20:04 **23 In ovo modelling of alveolar Rhabdomyosarcoma tumorigenic traits triggered by PAX-FOXO1 proteins**
Vanessa RIBES
Institut Jacques Monod, UMR7592 CNRS, Paris, France

Thursday, June 14

Guest Lecture

14/06/2018
09:00-10:00

- 24 **The Avian Embryo, an inspiring model in Developmental Biology**
09:00 Nicole LE DOUARIN
Institut de la Vision, France

Coffee break

14/06/2018
10:00-10:30

Session 6: Omics

14/06/2018
10:30-12:00

- 25 **A Complete Transcriptome of the Chicken Genome – Possible?**
10:30 David BURT
UQ Genomics Initiative, The University of Queensland, St Lucia, Australia
- 26 **A Nanopore-based genome assembly – a quest for the dark side of the chicken genome**
10:55 Leif ANDERSSON
Uppsala University, Sweden
- 27 **Epigenome-wide analysis of the impact of a thermal manipulation treatment on avian embryo**
11:20 Vincent COUSTHAM
UMR BOA, INRA, Nouzilly, France
- 28 **Early life epigenetic changes along the CRH gene influence resilience or vulnerability to stress later in life**
11:33 Noam MEIRI
Institute of Animal Science, ARO, The Volcani Center, Bet Dagan, Israel
- 29 **Molecular control of the Endothelial to Hematopoietic Transition**
11:46 Hanane KHOURY
Sorbonne University, IBPS, Paris, France

Lunch & Posters

14/06/2018
12:00-13:30

Session 7: Neurobiology

14/06/2018
13:30-15:30

- 30 Asymmetric division, Notch signaling and neurogenesis in the embryonic spinal cord**
13:30 Xavier MORIN
ENS, Paris, France
- 31 Mechanisms regulating neuronal delamination**
13:55 Kate STOREY
University of Dundee, United Kingdom
- 32 Reconstructing cell fate choices during sensory progenitor commitment**
14:20 Ailin BUZZI
Centre for Craniofacial and Regenerative Biology, King's College London, United Kingdom
- 33 Deciphering Spinal Neuronal Circuit for Refined Locomotion in Chick - Genetic Targeting, Functional Organization and behavioral analysis**
14:33 Avihu KLAR
Department of Medical Neurobiology, IMRIC, Hebrew University, Jerusalem, Israel
- 34 Dynamics of tangential neuronal migration in superficial layers of the developing chick optic tectum**
14:46 Yuji WATANABE
Department of Neuroanatomy and Embryology, Fukushima Medical University, Japan
- 35 The cone-enriched culture system from chicken embryo led to the discovery of a therapy for blinding diseases**
14:59 Géraldine PUEL
UMRS-968, Institut de la Vision, Paris, France

Coffee break

14/06/2018
15:30-16:00

Session 8: Immunology

14/06/2018
16:00-17:15

- 36 Comparing and dissecting the avian innate responses**
16:00 Mike SKINNER
Faculty of Medicine, Imperial College London, United Kingdom
- 37 Novel aspects of the thymic structure**
16:25 Ildikó BODI
Department of Anatomy, Histology and Embryology, Semmelweis University, Budapest, Hungary

- 38** | **Development and use of new chicken cellular models from embryonic stem cells and primary cells to study avian virus infections**
16:38 | Caroline DENESVRE
Animal health, Infectology and Public Health (ISP), Biology of Avian Viruses, INRA, Nouzilly, France
- 39** | **Intraganglionic macrophages: a new population of cells in the enteric ganglia**
16:51 | David DORA
Department of Anatomy, Histology and Embryology, Semmelweis University, Budapest, Hungary

Social event – Visit Musée d’Orsay & Diner

14/06/2018
18:00-23:00

Friday, June 15

Session 9: Behavior

15/06/2018
09:00-10:00

- 09:00 **40 Testosterone-dependent singing of birds**
Manfred GAHR
Max Planck Institute for Ornithology, Germany
- 09:30 **41 Effects of endocrine on intragroup aggressive behavior in country chickens**
Jou Ching LIN
national chung hsing university, Taichung, Taiwan

Coffee break

15/06/2018
10:00-10:30

Session 10: Evolution

15/06/2018
10:30-12:00

- 10:48 **42 Evo-Devo of Avian integuments**
Cheng-Ming CHUONG
Univeristy of Southern California, United States
- 11:06 **43 Marie MANCEAU**
Center for Interdisciplinary Research in Biology, College de France, Paris, France
- 11:24 **44 The Evolution of the Bird Foot: Spot and Stripes and Scaling in Time and Space**
Megan G DAVEY
Division of Developmental Biology, The Roslin Institute, Edinburgh, United Kingdom
- 11:42 **45 Evolutionary perspectives on the endocrine activity of the adipose tissue in chickens**
Mirian FRIEDMAN-EINAT
Animal Science, ARO, Volcani Center, Rishon Letsiyon, Israel

Concluding remarks - End of the meeting

15/06/2018
12:00-12:30