Provisional programme

Sunday 23 September 2018

11:00	**Registration opens**
12:30	**Lunch**
14:00	**Welcome**
14:15	**Antoon Moorman – Academic Medical Centre, The Netherlands** A 3D atlas of human development
14:45	**Alain Chédotal – Institut de la Vision, France** Tridimensional analysis of human embryogenesis
15:15	**Short talk selected from abstracts**
15:30	**Short talk selected from abstracts**
15:45	**Coffee**
16:15	**Janet Rossant – The Hospital for Sick Children, Canada** How closely do human and mouse pluripotent stem cell states reflect normal development?
16:45	**Short talk selected from abstracts**
17:00	**Ali Brivanlou – The Rockefeller University, USA** Self-organisation of spatial patterns in human embryos
17:30	**Alfonso Martinez Arias – University of Cambridge, UK** The self-organisation of the mammalian embryo: an *in vitro* approach
18:00	**Pre-dinner drinks and poster viewing**
19:30	**Dinner**

Monday 24 September 2018

07:00	**Breakfast**
09:00	**Kathrin Plath – University of California, Los Angeles, USA** Epigenetic regulation in early human development
09:30	**Short talk selected from abstracts**
09:45	**Short talk selected from abstracts**
10:00	**Alex Meissner – Max Plank Institute for Molecular Genetics, Germany** Epigenetic regulation in early human development
10:30	**Coffee**
11:00	**Mitinori Saitou – Kyoto University, Japan** Mechanism and *in vitro* reconstitution of human germ cell development

11:30	**Short talk selected from abstracts**
11:45	**Prisca Liberali* – Friedrich Miescher Institute for Biomedical Research, Switzerland** Self-organization and symmetry breaking in intestinal organoids development
12:15	**Aryeh Warmflash* – Rice University, USA** Micropatterned systems to study human self-organized developmental patterning
12:45	**Lunch**
14:00	**Matthias Lutolf – Ecole polytechnique fédérale de Lausanne, Switzerland** Engineering stem cell self-organisation
14:30	**Tracy Grikscheit – Children's Hospital Los Angeles, USA** Tissue engineering components of the gastrointestinal tract: from stem cells to organ development
15:00	**Fiona Watt – King's College London, UK** Studying cell transition states in mammalian epidermis
15:30	**Coffee**
16:00	**Christopher Walsh – King's College London, UK** Somatic mutation and cell lineage and the human brain
16:30	**Alex Pollen* – University of California, San Francisco, USA** Evolution and development of human radial glia
17:00	**Short talk selected from abstracts**
17:15	**Arturo Alvarez-Buylla – University of California, San Francisco, USA** Origin and self renewal of adult neural stem cells
17:45	**Poster session 1 and pre-dinner drinks**
19:45	**Dinner**

Tuesday 25 September 2018

07:00	**Breakfast**
09:00	**Neil Hanley – University of Manchester, UK** Integrated strategies to deconstruct human organogenesis
09:30	**Jason Spence – University of Michigan, USA** Interrogating endoderm lineage organ development using organoids and embryos
10:00	**Short talk selected from abstracts**
10:15	**Emma Rawlins – The Gurdon Institute, UK** Cell-cell interactions in normal human lung development

10:45	**Coffee**
11:15	**Discussion session: ethical issues relating to human embryo and stem cell research**
12:45	**Lunch**
14:00	**Free time**
15:45	**Coffee**
16:15	**Melissa Little – Murdoch Children's Research Institute, Australia** Recreating human kidney tissue
16:45	**Christine Seidman – Harvard Medical School, USA** TBC
17:15	**Olivier Pourquié – Harvard Medical School/Brigham and Women's Hospital, USA** The human segmentation clock
17:45	**Poster session 2 and pre-dinner drinks**
19:45	**Dinner**

Wednesday 26 September 2018

07:00	**Breakfast**
09:00	**Silvia Cappello – Max Planck Institute of Psychiatry, Germany** Dissecting molecular and cellular mechanisms of human migrating neurons
09:30	**Short talk selected from abstracts**
09:45	**Short talk selected from abstracts**
10:00	**Paola Arlotta – Harvard Medical School, USA** Understanding brain development: from the embryo to human brain organoids
10:30	**Coffee**
11:00	**Malin Parmar – Lund University, Sweden** Generation of authentic and subtype-specific neurons for effective brain repair
11:30	**James Wells – Cincinnati Children's Hospital Medical Center, USA** Human pluripotent stem cell-derived gastro-intestinal organoids: from organogenesis to personalised medicine
12:00	**John Dick – University Health Network, Canada** Backtracking human leukaemia evolution to a stem cell origin
12:30	**Closing remarks**
12:45	**Lunch & depart**

*These speakers are supported by The Company of Biologists' early career researcher programme.