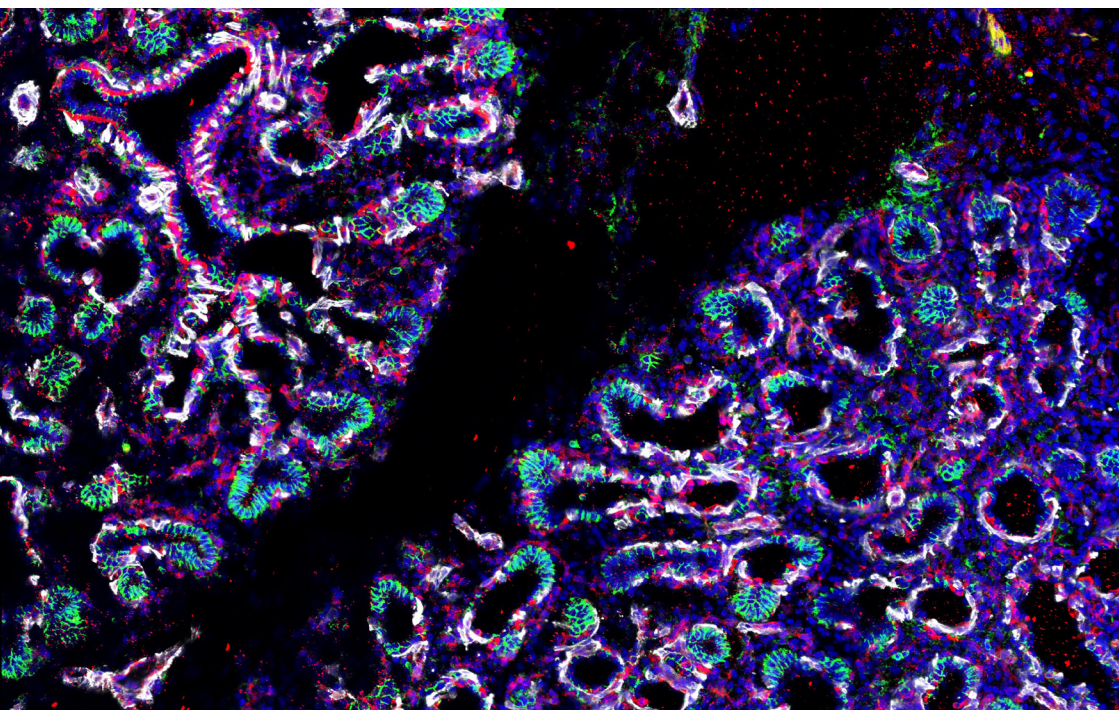


Provisional programme

# From Stem Cells to Human Development



Wotton House, Surrey, UK, 16 – 19 September 2024

# From Stem Cells to Human Development

## Provisional programme

### Monday 16 September 2024

12:00 **Registration opens**

14:30 **Welcome: Katherine Brown**, Development, UK

#### Session 1

14:45 **Kathy Niakan**, The Francis Crick Institute, UK  
Signalling pathways regulating early human development and their application to stem cell biology

**Marta Shahbazi**, MRC Laboratory of Molecular Biology, UK  
Developmental plasticity of the early human embryo

**Mo Ebrahimkhani**, University of Pittsburgh, USA  
Modelling post-implantation human development to yolk sac blood emergence

**Josh Brickman**, University of Copenhagen, Denmark  
Plasticity and commitment in naïve extra-embryonic endoderm – an *in vitro* model for human hypoblast specification

#### Short talks selected from abstracts

18:15 **Drinks reception**

19:30 **Dinner**

### Tuesday 17 September 2024

From **Breakfast**  
07:00

#### Session 2

09:00 **Alain Chédotal**, Institut de la Vision, France  
Tridimensional analysis of human embryogenesis

**Cantas Alev**, Kyoto University, Japan  
Reconstituting human axial development *in vitro* with axioids

**Olivier Pourquié**, Harvard Medical School, USA  
TBC

**Muzz Haniffa**, Newcastle University, UK

The developing human immune system

**Short talks selected from abstracts**

12:30

**Lunch, posters and exhibition**

**Session 3**

14:00

**Jim Wells**, Cincinnati Children's Hospital Medical Center, USA

Gaining insights into human organogenesis using pluripotent stem cells

**Francesca Spagnoli**, King's College London, UK

Progenitor niches in the developing pancreas: regulation of cell fate and beyond

**Emma Rawlins**, University of Cambridge, UK

Chronic hypoxia in normal fetal development promotes differentiation in the developing human lungs

**Andrew McMahon**, University of Southern California, USA

The human kidney: from developmental programming to organ engineering

**Susana Chuva de Sousa Lopes**, Leiden University, The Netherlands

The ins and outs of the human fetal gonad and reproductive tract

17:45

**Poster session, exhibition and pre-dinner drinks**

19:15

**Dinner**

**Wednesday 18 September 2024**

From

**Breakfast**

07:00

**Session 4**

09:00

**James Briscoe**, The Francis Crick Institute, UK

The dynamics of human spinal cord development

**Debra Silver**, Duke University, USA

Building our brains: from disease to evolution

**Paola Arlotta**, Harvard University, USA

Human brain chimeroids as avatars to study inter-international variation in brain development and disease

**Jane Sowden**, University College London, UK

TBC

**Agnete Kirkeby**, University of Copenhagen, Denmark

Using stem cells to model and repair the disease brain

**Short talks selected from abstracts**

12:30 **Lunch, posters and exhibition**

14:00 **Free time**

### Session 5

16:00 **Nick Hopwood**, University of Cambridge, UK

History of human developmental biology

**Update from the Human Developmental Biology Initiative (HDBI)**

**Panel discussion**

17:30 **Poster session, exhibition and pre-dinner drinks**

19:00 **Dinner**

## Thursday 19 September 2024

From **Breakfast**

07:00

### Session 6

09:00 **Margherita Yayoi Turco**, Friedrich Miescher Institute for Biomedical Research, Switzerland

Charting human placental development using trophoblast organoids

**Kara McKinley**, Harvard University, USA

Regeneration in the uterus

**Sasha Mendjan**, Institute of Molecular Biotechnology, Austria

Cardioids unravel human heart development and cardiac defects

**The EMBO Keynote Lecture: Matthias Lütolf**, École Polytechnique Fédérale de Lausanne, Switzerland

Bioengineering human epithelial organoid morphogenesis

**Short talks selected from abstracts**

12:15 **Lunch/Depart**