

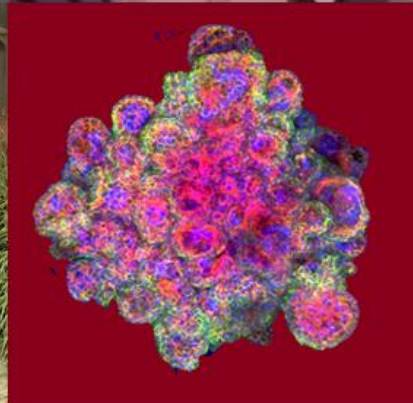
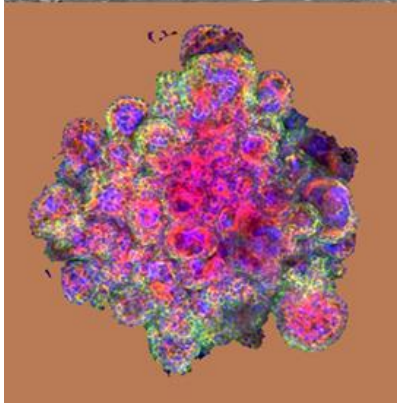
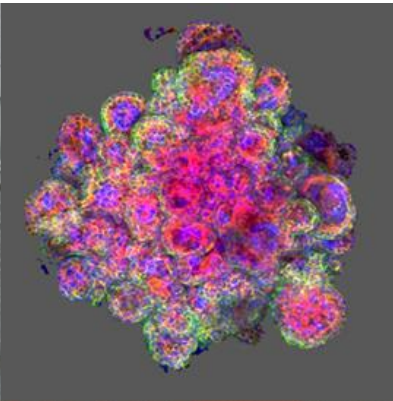
CTR ANNUAL MEETING 2021

Placental-endometrial dialogue and pregnancy

12th 13th July



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Day 1: Monday 12th July

13.50 Welcome and introduction by Wolf Reik, Babraham Institute

Session 1: Early placental development

Chair: Steve Charnock-Jones, Department of Obstetrics and Gynaecology

14.00-14.30 Margherita Turco, Department of Pathology
Models to study early placental development

14.30-15.00 Miguel Branco, Blizard Institute
Species-specific regulation of placental gene expression by transposable elements

15.00-15.30 Janet Rossant, University of Toronto
Making the trophectoderm lineage- key events leading up to implantation

15.30-16.00 Coffee break

Session 2: Immunology and evolution

Chair: Francesco Colucci, Department of Obstetrics and Gynaecology

16.00-16.30 Ashley Moffett, Department of Pathology
The immune system and the first few weeks

16.30-17.00 Anthony Carter, University of Southern Denmark
Anatomy of placentation: why are humans so different

17.00-17.30 Paul Norman, University of Colorado Denver
Population-specific NK cell receptors and human-specific preeclampsia risk

Day 2: Tuesday 13th July

Session 3: Endometrium and decidua

Chair: Kathy Niakan, CTR

- 10.00-10.30 Hilary Critchley, University of Edinburgh
The normal cycling endometrium
- 10.30-11.00 Roser Vento, Wellcome Sanger Institute
Single cell technology at the placental-uterine interface
- 11.00-11.30 Coffee break**

Session 4: Placental development and pregnancy outcomes

Chair: Miguel Constancia, Department of Obstetrics and Gynaecology

- 11.30-12.00 Romina Plitman, Weizmann Institute of Science, Israel
Imaging and Modelling the Human Placenta
- 12.00-12.30 Gordon Smith, Department of Obstetrics and Gynaecology
Identifying novel biomarkers for human placental dysfunction
- 12.30-13.00 Eric Jauniaux, UCL
Oxygen modulates placental development like sound modulates fetal brain development
- 13.00-14.00 Lunch break**

Session 5: Environment and placenta

Chair: Tereza Cindrova-Davies, CTR

- 14.00-14.30 Billy Yung, CTR
Placental unfolded protein response and pregnancy complications
- 14.30-15.00 Erica Watson, CTR
Trans-generational effect
- 15.00-15.30 Mike Nelson, Washington University School of Medicine, St. Louis
Trophoblast Injury and Repair, or Disrepair, in Human Placenta
- 15.30-16.00 Coffee break**

Session 6: Placental biology

Chair: Theresa Powell, University of Colorado

- 16.00-16.30 Diana Bianchi, National Institute of Child Health and Human Development
Circulating nucleic acids as key markers of feto-maternal-placental health
- 16.30-17.00 Myriam Hemberger, University of Calgary
Early placental development in mice and humans
- 17.00-17.30 Kent Thornburg, The Moore Institute, Oregon Health Sciences University
The placenta is the culprit

Session 7: Celebratory closing session

Chair: Kathy Niakan

- 17.30-18.00 Graham Burton, CTR
Trophoblast-endometrial interactions
- 18.00 Closing remarks by Charlie Loke**



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Since its inception in 2007, the Centre for Trophoblast Research has been at the forefront of placental and pregnancy research. With over 30 principal investigators, Next Generation Fellows and independent research fellows, the Centre has achieved numerous milestones and scientific breakthroughs during its history. This conference celebrates the extraordinary achievements of the Centre and of retiring director Prof. Graham Burton.