

CTR Annual Trophoblast Meeting
Palmerston Room, Fisher Building, St John's College, CB2 1TP

| Day One: 13 th July 2015 | | | |
|-------------------------------------|---|-----------------------------|--------------------------------------|
| 13.15 | Registration and coffee | Foyer, Fisher Building | |
| 13.50 | Welcome | Graham Burton | University of Cambridge |
| | Chaired by: | | Graham Burton |
| 14.00-14.15 | Imaging placental villi in three dimensions using whole mount immunohistochemistry and serial block face scanning electron microscopy | Rohan Lewis | University of Southampton, UK |
| 14.15-14.30 | Direct induction of trophoblast stem cells from murine fibroblasts | Hubert Schorle | University of Bonn, Germany |
| 14.30-14.45 | A Mouse Model of Advanced Maternal Age – Understanding Mothers' Vulnerability to Late Stillbirth | Samantha Lean | University of Manchester, UK |
| 14.45-15.00 | The Stroke Prone Spontaneously Hypertensive Rat (SHRSP) is a Novel Model of Deficient Uterine Artery Remodelling | Heather Small | University of Glasgow, UK |
| 15.00-15.15 | New rat model of diabetes in pregnancy with diminished insulin secretion of diabetic fetuses | Michaela Golic | Charité University Hospital, Germany |
| 15.15-15.30 | System A amino acid transporter is essential for fetal growth and development | Laura Kusinski | University of Cambridge |
| 15.30-16.00 | Break | Foyer | |
| 16.00 | Themed session: Animal Models of Pregnancy Complications | | |
| | Chaired by: | | Miguel Constância |
| 16.00-16.35 | Development of the trophoblast layers in the mouse | David Simmons | University of Queensland, Australia |
| 16.35-17.10 | Regulation of vascular development in the labyrinth | Jean Charron | Université Laval, Canada |
| 17.10-17.45 | Glucocorticoids and the spiny mouse | Hayley Dickinson | Monash University, Australia |
| 17.45 | College bar, Second Court | St John's College | Cash bar |
| 19.00 | Dinner | The Hall, St John's College | |

| Day Two: 14th July 2015 | | | |
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| Themed session continued: Animal Models of Pregnancy Complications | | | |
| 8.30 | Tea/Coffee | Foyer, Fisher Building | |
| 9.00 | Themed Session: Animal Models of Pregnancy Complications. | | |
| | Chaired by: | Myriam Hemberger | |
| 9.00-9.50 | In vivo disease modelling using CRISPR-Cas9 | Randall Platt | Massachusetts Institute of Technology, USA |
| 9.50-10.25 | Immunological models of placental dysfunction | Francesco Colucci | University of Cambridge |
| 10.25-11.00 | Micro-CT imaging of the mouse utero-placental and feto-placental circulations John Sled | John Sled | University of Toronto, Canada |
| 11.00-11.25 | Break | Foyer | |
| 11.25 | Themed Session continued: | | |
| 11.25-12.00 | The STOX1 gene and pre-eclampsia Daniel Vaiman | Daniel Vaiman | Inserm (French Institute of Health and Medical Research), France |
| 12.00-12.35 | Large animal models of placental underperfusion and their evaluation by in vivo imaging | Pascale Chavatte-Palmer | IMRA (The French National Institute for Agricultural Research), France |
| 12.35-13.10 | Genetic drive for growth mediated by the imprinted Igf2 gene controls the expansion of the fetoplacental vasculature in late gestation in mice | Ionel Sandovici | University of Cambridge |
| 13.10-14.30 | Lunch | The Hall; extended lunch period to allow poster-viewing in the Foyer of the Fisher Building after lunch | |
| 14.30 | Themed Session continued: | | |
| | Chaired by: | Erica Watson | |
| 14.30-15.05 | Nanoparticles for targeted delivery of therapeutics to the placenta | Lynda Harris | University of Manchester, UK |
| 15.05-15.40 | Diet-induced obesity and maternal interventions | Sue Ozanne | University of Cambridge |
| 15.40-16.00 | Break | Foyer | |
| 16.00 | Themed Session continued: | | |
| 16.00-16.35 | Metabolic models of placental dysfunction | Marika Charambolous | William Harvey Research Institute, UK |
| 16.35-17.10 | Metabolic functions of mouse placental cell types | Jay Cross | University of Calgary, Canada |
| 17.10 | Event close | | |