

## Oxford Metabolic Health Symposium

Monday 1 July 2019

Medical Sciences Teaching Centre, South Parks Road Oxford, OX1 3PL

**08.45 – 09.15 Registration (tea and coffee)**

**09.15 – 09.20 Welcome & Introduction from Professor John Todd** (Wellcome Centre for Human Genetics)

**09.20 – 11.10 Session 1. Chair: Professor Fran Ashcroft** (DPAG)

09.20 – 09.40 **Professor David Ray** (OCDEM, Radcliffe Department of Medicine)  
*Circadian clock control of inflammation and metabolism*

09.40 – 10.00 **Dr Simon Lord** (Department of Oncology)  
*Pharmacodynamic effect of metformin in breast cancer*

10.00 – 10.20 **Dr Elizabeth Morris** (Nuffield Department of Primary Care Health Sciences)  
*Dietary approaches to the management of type 2 diabetes*

10.20 – 10.40 **Dr Honglei Huang** (TDI, Nuffield Department of Medicine)  
*Target Discovery Institute (TDI) lipidomics and proteomics platforms for integrative metabolomics*

10.40 – 11.10 **Poster Blitz**

**11.10 – 11.40 Refreshments and poster viewing**

**11.40 – 13.10 Session 2. Chair: Dr Jan Jensen** (Novo Nordisk Research Centre Oxford)

11.40 – 12.00 **Dr Katherine Pinnick** (OCDEM, Radcliffe Department of Medicine)  
*Metabolic consequences of fructose in human adipocytes*

12.00 – 12.20 **Professor Deborah Goberdhan** (Department of Physiology, Anatomy & Genetics)  
*Role of exosome signalling in mediating tumour growth and cancer metabolism*

12.20 – 12.40 **Dr Aiden Doherty** (BDI, Nuffield Department of Population Health)  
*Wearable sensing of sleep and physical activity in large-scale biobanks*

12.40 – 13.10 Oral presentations selected from abstracts  
**Ecem Kaya** (Department of Pharmacology) - *Acetyl leucine as a novel therapy for lysosomal storage diseases*

**Dr Yurena Vivas Garcia** (Ludwig Institute) - *Lineage-restricted regulation of stearoyl-CoA desaturase (SCD) and fatty acid saturation by MITF controls melanoma phenotypic plasticity*

**Dr Elizabeth Haythorne** (Department of Physiology, Anatomy & Genetics) - *Hyperglycaemia adversely affects mitochondrial function in pancreatic islets*

**13.10 – 14.30 LUNCH and poster viewing**

**14.30 – 15.50 Session 3. Chair: Professor Katja Simon** (Kennedy Institute)

14.30 – 14.50 **Professor Bill Haynes** (Novo Nordisk Research Centre Oxford)  
*Developing a collaborative and translational pharma research institute in Oxford*

14.50 – 15.05 **Dr Irina Stefana** (Wellcome Centre for Human Genetics)  
*Nuclear versus cytoplasmic hyperphosphorylated Tau in human beta cells during ageing and diabetes*

15.05 – 15.20 **Professor Angela Russell** (Department of Chemistry & Department of Pharmacology)  
*Chemistry in Cells*

15.20 – 15.30 **Dr Benjamin Harris** (Department of Oncology)  
*Untangling the links between anthropometric traits and cancer*

15.30 – 15.50 **Professor Robin Choudhury** (Cardiovascular Medicine, RDM)  
*Immuno-metabolic interplay in atherosclerosis: a role for trained immunity*

**15.50 – 16.20 Refreshments**

**16.20 – 17.10 Keynote Lecture: Dr John O'Neill, MRC LMB, University of Cambridge**

*Insulin/IGF-1 drives PERIOD synthesis to entrain circadian rhythms with feeding time*

**17.10 onwards Concluding remarks followed by drinks**

*This year's meeting is generously sponsored by Novo Nordisk*

