



Date:

January 16th, 2024

Venue

Smith Lecture Theatre
Dover St, Manchester M13 9NT

Session 1: Circadian organisation of immunity

Moderator: Andrea Luengas-Martinez

9:30 – Opening by Rob Lucas

9:40 – Jafar Cain (Manchester): “Circadian Patterns in Immune Cell Trafficking in Chronic Allergic Airways Disease.”

10:00 – Emma Leacy (RCSI Dublin): “BMAL1 Expression and Associated Circadian Rhythmicity is Dysregulated in Alpha-1 Antitrypsin Deficient Monocytes.”

10:20 – Magdalena Grudzien (Manchester): “The role of Reverba in regulation of white adipose tissue expansion and inflammation during obesity,”

10:40 – Felicity Hunter (Manchester): “The influence of feeding time on circadian rhythms in immunity”

11:00 – Coffee break (please visit the exhibits of our kind sponsors)

Session 2: Crosstalk between metabolism and the clock

Moderator: Magdalena Grudzien

11:30 – Rebecca Grossman (Oxford): “Circadian regulation of liver energy metabolism: translational studies in diabetes and obesity.”

11:50 – Isaiah Ting (Surrey): “Co-expression of Biological Rhythms.”

12:10 – Natalie Rogers (Manchester): “Characterising the intervertebral disc molecular clock: How is it stimulated and what is its role in matrix homeostasis?”

12:30 – Catherine Drysdale (Birmingham): “Exploring Perturbations to Ultradian Rhythms of the HPA axis.”

12:50 – Frederick Odun-Ayo (Tecniplast): “Locomotor Activity: refinement, reduction and replicability ‘round the clock in mouse models using Digital Ventilated Cages (DVC®)”

13:05– 14:05 Lunch time (please visit the exhibits of our kind sponsors)

14:10 – Keynote Presentation

Keynote Speaker: Dr Brendan Gabriel (The Rowett Institute): “Disrupted muscle circadian rhythms in metabolic disease & the importance of treatment timing”

Session 3: How the circadian system responds to light

Moderator: Josh Moulard

14:50 – Angelique Lamaze (Münster): “A CRY in the red district: presentation of a blue-light independent function of dCRY.”

15:10 – Pierluigi Cocco (Manchester): “Challenges to adaptation to the loss of the day/night cycle: the case of Antarctica and the Svalbard islands.”

15:30 – Adam Liddle (Glasgow): “Uncovering the transcriptomic architecture of avian photoperiodism.”

15:50 – Closing remarks by Jean-Michel Fustin

16:00 Happy hour



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