

# Division of Diabetes, Endocrinology & Metabolism Away Day

Wednesday 5<sup>th</sup> February 2020  
Holiday Inn London, Wrights Lane, Kensington, London W8 5SP  
Balmoral Theatre

09.45 – 10.15: Arrival and coffee.

10.15 – 10.30: Welcome & aim of the day – Waljit Dhillon.

10.30 – 10.45: Talk from Mark Thursz (the Division in the Department).

All talks 7 mins duration and 7 mins discussion.

## **Chairs: Chioma Izzi-Engbeaya / Duncan Bassett**

10.45 – 11.00: **Modelling bariatric surgery in the mouse: impact on islet and kidney function.**  
Elina Akalestou (Guy Rutter)

11.00 – 11.15: **Arcuate corticosterone and body weight regulation.**  
Chioma Izzi-Engbeaya (James Gardiner)

11.15 – 11.30: **A novel adaptive bolus calculator and safety system for people with Type 1 diabetes.**  
Pari Avari (Nick Oliver)

11.30 – 12.00: Coffee.

## **Chairs: Vicky Salem / Nick Oliver**

12.00 – 12.15: **Effects of thyroid hormone metabolism in bone fracture repair.**  
Andrea Pollard and Davide Komla Ebri (Graham Williams/Duncan Bassett)

12.15 – 12.30: **Kisspeptin enhances brain responses to olfactory and visual cues of attraction in men.**  
Lisa Yang (Waljit Dhillon)

12.30 – 12.45: **The effect of GLP-1/glucagon 'dual agonists' on amino acid metabolism: potential side effects and solutions.** David Hope (Steve Bloom/Tricia Tan/Bryn Owen)

12.45 – 13.00: **B-arrestin 2 as a regulator of GLP-1R signalling and trafficking *in vivo*.**  
Stavroula Bitsi (Alejandra Tomas)

13.00 – 13.45: Lunch.

## **Chairs: Natalie Butterfield / Guy Rutter**

13.45 – 14.00: **The role of *PLS3* in the pathogenesis of osteoporosis.**  
Bernard Freudenthal (Graham W/Duncan B)

14.00 – 14.15: **Investigating the effects of energy restriction on reproductive function in obese men.**  
Aditi Sharma (Channa Jayasena)

14.15 – 14.30: **An adaptive real-time intelligent system to enhance self-care of chronic disease (ARISES).**  
Chukwuma Uduku (Nick Oliver)

14.30 – 14.45: **Identification of gene targets and function of  $\beta$ -Cell MiRNAs.** Grazia Pizza (Aida Martinez)

14.45 – 15.00: **The role of vagal Y2R in PYY<sub>3-36</sub>-mediated appetite regulation.**  
Aldara Martin Alonso (Vicky Salem)

15.00 – 15.30: Coffee.

**Chairs: Shivani Misra / Graham Williams**

15.30 – 15.45: **Photoperiod-induced central actions of thyroid hormone are essential for medullary bone formation in the Japanese quail.** Natalie Butterfield (Graham W/Duncan B)

15.45 – 16.00: **Using the gut to treat diabetes.** Mariana Norton (Kevin Murphy)

16.00 – 16.15: **Roles of the calcium-binding protein sorcin in metabolism.**  
Steven Parks (Isabelle Leclerc)

16.15 – 16.30: Review of the day – next steps – Waljit Dhillon.

16.30 - 16.45: Feedback.

16.45 – 18.00: Wine and nibbles networking reception.