



University of  
Sheffield



# 12<sup>th</sup> Annual Mellanby Centre Research Day

Friday 24 March 2023, Inox Dine, University of Sheffield

## PROGRAMME

08.15 Registration - Tea/coffee

08.45 **Welcome and aims/scope of Mellanby Centre**  
*Richard Eastell, Director, Mellanby Centre, University of Sheffield*

**Session 1 Cancer and Bone (1) Moderators: Penny Ottewell and Karan Shah**

09.00 *Ashley Blom, University of Sheffield – The INFORM programme investigating infection after joint replacement*

09.30 *Enrico Dall’Ara - Biomechanics of human vertebrae with metastatic lesions*

09.40 *Fiona Gibson - Altered biomechanics in prostate cancer patients following ADT*

09.50 *Georgia Stewart - Is Losartan a Bone Anabolic for Myeloma-induced Bone Disease? - A Pilot study*

10.00 **Snap presentations 1-14 – moderator: Michelle Lawson and Jaibou Zhou**

10.15 Poster Viewing - Tea/coffee

**Session 2 Cancer and Bone (2) Moderators: Graham Russell and Alanna Green**

10.45 *Ananya Choudhury, The Christie NHS Foundation Trust – PSMA radioligand - ready for prime time?*

11.15 *Janet Brown - The impact of adjuvant zoledronate therapy on bone health in postmenopausal patients with early breast cancer (the BoHFAB study)*

11.25 *Diane Lefley - Addition of ATM inhibitors (ATMi) to Radium223 decreases late stage prostate cancer bone metastases in an immune competent model*

11.35 *Feier Zeng - In silico, in vitro and ex vivo validation of a novel inhibitor of TRAF6/NFkB in models of secondary breast cancer in bone*

11.45 *Tilli Tansey, Queen Mary University of London - The Mellanbys of Sheffield: Edward and May at the Lodge Moor labs in the 1920s*

12.15 **Snap presentations, 15-28 – moderator: Ning Wang and Jacky Wong**

**12.30 Lunch and Poster viewing (Presenters to be at posters 13.00 to 13.45)**

**Session 3 Benign Musculoskeletal Disease (1) Moderators: Jennie Walsh and Alex Williamson**

- 13.45 *Morten Frost, Odense University Hospital/University of Southern Denmark - Diabetes and Bone*
- 14.15 *Ankita Duseja - BMD in type 2 diabetes: relationship to overall bone turnover and bone balance*
- 14.25 *Claire Brockett - Changes in subchondral bone morphology in osteoarthritis of the ankle*
- 14.35 *Mark Wilkinson - Preoperative Oxford hip score as a predictor of risk of revision and death after hip replacement surgery using meta-parametric neural networks*
- 14.45 *Christine Le Maitre, University of Sheffield – Stabilising the spine*

**15.15 Poster viewing - Tea/coffee**

**Session 4 Benign Musculoskeletal Disease (2) Moderators: Amaka Offiah and Margaret Paggiosi**

- 15.45 *Marian Schini - Pre-treatment bone mineral density (BMD) and the benefit of pharmacologic treatment on fracture risk: Results from the FNIIH-ASBMR SABRE Project*
- 15.55 *Tatiane Vilaca - The relationship between changes in total hip bone mineral density over 12, 18 versus 24 months and fracture risk reduction in osteoporosis clinical trials*
- 16.05 *Allessandra Aldieri - Statistical models informed by DXA images slightly outperform T-score in the prediction of hip fracture*
- 16.15 *Lisha Jeena - Change in size-adjusted bone density by HIV status among peripubertal children in Zimbabwe: a prospective cohort study*
- 16.25 *Meena Balasubramanian, University of Sheffield - Genetics and Bone*
- 16.55 **Best oral and poster prize presentations**

**Summary and Close**

- 17.05 *Presentation by Richard Eastell*
- 17.20 **Close**

**17.30 Evening Drinks and Nibbles Reception, Inox Bar**