



OxCODE Symposium – 5th December 2023

Mathematical Institute, Oxford

09.00 *Arrival, registration and coffee*

09.30-09.40 **Welcome**

Xin Lu, OxCODE Director

09.40-11.00 **Session 1: Cancer epidemiology**

Chair: Clare Bankhead

09.40 **Julia Hippisley-Cox** – Personalised approaches to the early detection of cancer

10.00 **Ruth Travis** – Proteins and cancer: aetiology, early detection and prognosis

10.20 **David Hunter** – **Keynote talk:** Some thoughts on Polygenic Risk Scores and Our Future Health

11.00 *Coffee*

11.30-12.00 **Session 2: Working with patients**

Chair: Catriona Gilmour Hamilton

11.30 **Steph Phillips and Miriam Dixon-Zegeye** – The Researcher-PPI Buddy scheme: integrating patient and public involvement into basic research and clinical trials

12.00-12.25 **Session 3: Lightning talks**

Chair: Dan Woodcock

12.00 **Eoghan Mulholland** – Epithelial Grem1 drives ectopic stem cell niche formation through stromal remodelling and tissue co-evolution in intestinal dysplasia initiation

12.05 **James Chettle** – The RNA binding protein LARP1 drives tumorigenesis by promoting metabolic plasticity and resistance to oxidative stress

12.10 **Jingfei Cheng** – A human tissue atlas of DNA methylation and hydroxymethylation

12.15 **Talisia Quallo (Cancer Research UK)** – Opportunities from Cancer Research UK

12.25 *Lunch & Posters*

13.40-15.00 **Session 4: Cancer detection using liquid biopsies**

Chair: Chunxiao Song

13.40 **Brian Nicholson** – Why we need early detection studies in primary care

14.00 **Anna Schuh** – Liquid biopsies: from depth to breadth

14.20 **Caroline Dive (University of Manchester)** – **Keynote talk:** Our approach to earlier lung cancer detection using liquid biopsies

15.00 *Coffee*

15.30-16.50 **Session 5: Early cancer biology**

Chair: Bethan Psaila

15.30 **Adam Mead** – Single-cell multi-omics identifies chronic inflammation as a driver of TP53-mutant leukaemic evolution

15.50 **Simon Buczacki** – Does mutational order matter in early colorectal cancer evolution?

16.10 **Samra Turajlic (Francis Crick Institute)** – **Keynote talk:** Exploring early stages of cancer evolution by rewinding the tape of malignant transformation

16.50-17.00 **Closing remarks**

Simon Leedham, OxCODE Associate Director

17.00 *Drinks reception and canapés*