Cancer Research UK data-driven cancer research conference

Tuesday 27 – Wednesday 28 February 2024

Etc. venues, Manchester

PROGRAMME
Tuesday 27 February

08:45 – 10:00	**Registration, networking and poster set-up**
10:00 – 10:15	Welcome Melissa Lewis-Brown, Cancer Research UK Bissan Al-Lazikani, MD Anderson and chair of the Cancer Research UK Data Advisory Board
10:15 – 11:00	**Keynote address** Chair: Niels Peek, The Healthcare Improvement Studies Institute, University of Cambridge and CRUK conference Scientific Committee member Speaker: Corinne Faivre-Finn, University of Manchester and The Christie NHS Foundation
11:05 – 12:30	**Designing Data Research to Create Patient and Public Benefit** *Co-chairs*: Niels Peek, The Healthcare Improvement Studies Institute, University of Cambridge and CRUK conference Scientific Committee member and Debbie Keatley, CRUK Data Advisory Board and conference Scientific Committee member *Speakers*: Antonis Antoniou, University of Cambridge Mhairi Aitken, The Alan Turing Institute Doreen Tembo, HDR UK Richard Stephens, UseMydata
12:30 – 13:45	**Lunch, exhibition and poster viewing**
13:45 – 14:15	**Future leaders session – part one** Chair: Alexis Webb, Research Programme Manager (Research Data Strategy), Cancer Research UK **An End-to-End machine learning-based approach to the classification of adnexal masses using radiomics and deep learning: A two cohort retrospective study.** Jennifer Barcroft, Imperial College London **Super Vision Without Supervision: Self-Supervised Distillation of Privileged Information for Enhanced Biomedical Imaging** Lucas Farndale, CRUK Scotland Institute/University of Glasgow

	Augmentation of FTIR Spectral Datasets Using Wasserstein Generative Adversarial Networks For Cancer Liquid Biopsies Rose McHardy, Dxcover / University of Strathclyde **Patient support is critical to real-world data research: experiences of an opt-out approach to health data sharing from the RAPID-RT study** Catherine Bowden, University of Manchester **Examining inequities in breast cancer care through the lens of intersectionality: A cross-sectional study in England** Mar Estupiñán Fdez. de Mesa, University of Surrey
14:20 – 16:00	**Debate: How much added value do AI tools have for patient benefit?** Co-chairs: Florian Markowetz, Cancer Research UK Cambridge Institute Jo Gumbs, patient advocate Speakers: Florian Markowetz, Cancer Research UK Cambridge Institute Catalina Vallejas, The University of Edinburgh Chris Yau, Big Data Institute, University of Oxford Nasir Rajpoot, Warwick University
16:00 – 16:30	**Networking break and exhibition**
16:30 – 18:10	**Mechanistic Insights from Data-Informed Clinical Trials** Co-chairs: Saiam Ahmed, University College London and CRUK conference Scientific Committee member Maisie McKenzie, patient advocate Speakers: Matt Sydes, UCL Saiam Ahmed, University College London and CRUK conference Scientific Committee member Hattie Mintz, Birmingham Marion Mafham, Nuffield Department of Population Health
18:10 – 19:15	**Networking drinks and poster session**
19:30	**Conference dinner** Science and Industry Museum, Liverpool Rd, Manchester M3 4JP

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08:30 – 09:00	**Registration, networking and poster set-up**
09:00 – 10:45	**Getting the most out of Health Data** Co-chairs: Eva Morris, University of Oxford and CRUK conference Scientific Committee member Maria Lawal, patient advocate Speakers: Claire Turnbull, The Institute of Cancer Research Ashley Akbari, Swansea University Peter Hall, University of Edinburgh Ashleigh Russell, Queens University Belfast
10:45 – 11:15	**Refreshments, exhibition and networking**
11:15 – 11:45	**Future leaders session – part two** Chair: Alexis Webb, Research Programme Manager (Research Data Strategy), Cancer Research UK **Second primary cancer risks following breast cancer in BRCA1/2 pathogenic variant carriers** Isaac Allen, University of Cambridge **Single-cell RNA sequencing-based program-polygenic risk scores associated with pancreatic cancer risks in the UK Biobank cohort** Yelin Zhao, Karolinska Institutet **Multiomic modelling of pancreatic IPMN reveals distinct immune cell distribution: mapping the transcriptomic landscape via regional, single-cell and subcellular approaches** Andrew Cameron, School of Cancer Sciences, University of Glasgow **Development of a Series of Polyp Specific Subtypes Reveals Unique Pre-cancerous Transcriptional Phenotypes Compared to Tumour Subtyping** Natalie Fisher, Queen's University Belfast **PRE-ACT: Prediction of Radiotherapy side Effects using explainable AI for patient Communication and Treatment modification** Tim Rattay, University of Leicester

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11:45 – 13:30	**Precision Medicine in the Era of Big Data** Co-chairs: Eric Aboagye, Imperial College London and CRUK conference Scientific Committee member Linda Galbraith, patient advocate. Speakers: Bissan Al-Lazikani, MD Anderson Prabhu (Prabs) Arumugam, Genomics England Philippe Lambin, Maastricht University
13:30 – 14:30	**Lunch, exhibition and poster viewing**
14:30 – 16:10	**Data-enabled Discovery Research** Co-chairs: Philip Dunne, Queens University Belfast and CRUK conference Scientific Committee member Stella O'Brien, patient advocate. Speakers: Serena Nik-Zainal, University of Cambridge Trevor Graham, ICR Martha Shrubsole, Vanderbilt University Medical Centre
16:15 – 17:00	**Data Eat Opinion for Lunch: Pathways to Impact** Chair: Debbie Keatley, CRUK Data Advisory Board and conference Scientific Committee member Speaker: Mark Lawler, Queens University Belfast
17:00	Conference close