

AI for Science Summit

Tuesday 9 December 2025

9:45 Registration

10:30 Welcome and introduction

Professor Neil Lawrence and Jessica Montgomery, University of Cambridge

10:45 *Interpretability Across Contexts: Towards Actionable Generalization*

Professor Finale Doshi-Velez, Harvard University

11:30 Coffee break

12:00 Short talks

- *Critical Appraisal of Machine Learning Models in Healthcare*
Dr Lekaashree Rambabu, University of Cambridge
- *The diffusion of successive waves of artificial intelligence concepts among researchers*
Dr Hongyu Zhou, University of Cambridge
- *Remember to "forget": overcoming the ill conditioned inverse problem in chaos by information theory*
Dr Lloyd Fung, Imperial College London

12:45 Lunch and poster session

13:55 Welcome back and introduction to afternoon session

14:00 *OpenBind and Beyond: The AI Revolution in Research and Our Shared Responsibility*

Professor Charlotte Deane MBE, University of Oxford

14:30 Short talks

- *aICU - Developing Safe Decision Support Tools for Intensive Care*
Dr Villiam Kildal, Karolinska Institute
- *Machine learning models guide viral discovery in museum bat collections*
Maya Juman, University of Cambridge
- *AI-driven microscopy: advancing mass photometry for protein interaction studies*
Dr Jan Christoph Thiele, University of Oxford

15:15 Coffee

16:00 *Machine Learning Weather Prediction: from the quiet to the noisy revolution*

Dr David Walters, Met Office

16:30 Fireside Chat - *AI for Weather Prediction*

- Professor Richard Turner, University of Cambridge
- Dr David Walters, Met Office

17:00 Panel discussion - *From Aspiration to Action: Delivering AI for Science at Cambridge*

- Professor Mateja Jamnik, University of Cambridge
- Dr Ian Lane, Partner, Cambridge Innovation Capital
- Professor Anil Madhavapeddy, University of Cambridge
- Dr Sarah Morgan, King's College London

17:45 Close of session

18:00 Drinks Reception and Dinner for registered participants



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