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UKNC2025 Main Programme
10 – 11th July

Huxley Building Concourse Level 3 (Main Lecture Theatre 340 & Posters Rooms 341, 342),
180 Queen's Gate, South Kensington Campus, Imperial College London, SW7 2AZ
www.neuralcomputation.uk

Thursday 10th July 2025

Time	Speaker	Titles
11:30 – 12:30	**Registration & Lunch**	
12:30 – 12:45	**UKNC Organisers**	Welcome
12:45 – 13:00	**Dr Jacques Carolan** The Advanced Research + Invention Agency (ARIA)	Precision Neurotechnologies for Human Therapeutics
13:00 – 13:30	**Dr Jonathan Cornford** University of Leeds	Normative brain-like learning algorithms
13:30 – 14:00	**Dr Ian Hawes** University of Edinburgh **Selected from Abstracts**	Context-specific speed integration enables memory generalisation
14:00 – 14:30	**Prof Jennifer Bizley** University College London	How does the brain construct auditory space?
14:30 – 15:00	**Coffee**	
15:00 – 15:30	**Dr Flavia Mancini** University of Cambridge	TBD
15:30 – 16:00	**Dr Andrea Colins Rodriguez** Universidad Adolfo Ibañez **Selected from Abstracts**	Rhythmic and discrete arm movements arise from the same control strategy in Primary Motor Cortex but not in the Supplementary Motor Area
16:00 – 16:30	**Dr Petr Znamenskiy** Francis Crick Institute	A depth map of visual space in the primary visual cortex
16:30 – 18:30	**Posters 1 & Networking Reception** Sponsored by The Francis Crick Institute (Partnership Networking Fund)	

Friday 11th July

Time	Speaker	Titles
9:30 – 10:00	**Prof Simon Schultz** Imperial College London	Neural manifold inference by maximising information
10:00 – 10:30	**Jack Cook** University of Oxford **Selected from Abstracts**	Brain-Like Pathways Form in Models With Heterogeneous Experts

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10:30 – 11:00	**Prof Claudia Clopath** Imperial College London	Estimating the uncertainty of feedforward and feedback inputs with prediction-error circuits
11:00 – 11:30	**Coffee**	
11:30 – 13:00	**Breakout Session** Sponsored by the Advanced Research + Invention Agency (ARIA)	
13:00	**Lunch** Overlaps with start of poster session	
13:30 – 15:00	**Posters 2**	
15:00 – 15:30	**Prof Petra Vértes** University of Cambridge	Reservoir Computing as a Window into Structure-Function Relationships in Neural Systems
15:30 – 16:00	**Sebastian Castedo** Laboratoire de Physique de l'ENS **Selected from Abstracts**	Energy-Efficient Neural Coding Under Food Restriction: Structure, Noise, and Resilience
16:00 – 16:30	**Prof Paul Graham** University of Sussex	Spatial computations in shallow, insect-inspired networks
16:30 – 17:00	Coffee	
17:00 – 17:45	**Keynote: Prof Rafal Bogacz** University of Oxford	Predictive coding: effective learning with local plasticity
17:45	**UKNC Organisers**	Closing