

17th Annual Oxford Neuroscience Symposium 18 March 2026

Mathematical Institute, Andrew Wiles Building, University of Oxford

08.15	Registration opens
09.00	Welcome Professor Kevin Talbot, Head of Neuroscience Strategy and Head of the Nuffield Department of Clinical Neurosciences
09.10	PLENARY LECTURE 1 Advancing precise neuromodulation for human motor control Professor Charlotte Stagg, Nuffield Department of Clinical Neurosciences
10.10	Coffee and Posters
	Session 1 Chair: Professor Philip Burnet, Department of Psychiatry
11.10	Grandiose delusions: developing a psychological treatment Dr Louise Isham, Department of Experimental Psychology
11.30	Integrating neuroimaging - Building bridges Professor Stuart Clare, Nuffield Department of Clinical Neurosciences
11.50	The influence of a changing climate on brain and mental health Dr Emma Lawrance, Department of Psychiatry
12.10	Neuronal Control of Behavioural Strategies Across Threat and Reward. Dr Mehran Ahmadi, Department. of Physiology, Anatomy, and Genetics
12.30	Lunch and Posters
	Session 2 Rapid Fire Talks Chair: Associate Professor Susannah Murphy, Department of Psychiatry
13.30	Layer-specific input-output functions can shape representational geometry Katherine Willard, Department of Physiology, Anatomy, and Genetics
13.35	Using AI to identify Alzheimer's disease phenotypes Dr Helen Rowland, Department of Psychiatry
13.40	Decoding dentate granule cell development and BDNF-TrkB-dependent hippocampal circuit formation through integrated single-nucleus multiomics Dr Jacek Szymanski. Department of Pharmacology
13.45	Investigating the pathological interactions between pain-associated macrophages and sensory neurons in human Dr Pao-Sen Chang, Nuffield Department of Clinical Neurosciences
13.50	The relationship between occipitotemporal sulcal morphology and children's reading ability: a replication study Yifan Yang, Department of Experimental Psychology
13.55	Quinone reductase 2 (QR2) -From first-time memories to dementia Dr Nathaniel Gould, Department of Psychiatry
14.00	Linking Cognitive and Gait Biomarkers for Parkinsonian Syndromes Aminette D'Souza, Nuffield Department of Clinical Neurosciences
14.05	Reactivation and remapping of relational structure during causal inference Shiyu Lou, Department of Experimental Psychology (tbc)

14.10	Coffee and Posters
	<p style="text-align: center;">Session 3</p> <p>Chair: Associate Professor Kerry Walker, Department. of Physiology, Anatomy, and Genetics</p>
14.50	<p style="text-align: center;">PLENARY LECTURE 2</p> <p style="text-align: center;">Modulating the modulator: Neuronal and non-neuronal networks controlling dopamine transmission</p> <p style="text-align: center;">Professor Stephanie Cragg, Professor of Neuroscience, Department of Physiology, Anatomy, and Genetics</p>
15.50	<p>Recording and stimulating the serotonergic system in the primate brain</p> <p>Dr Dr Nima Khalighinejad, Department of Experimental Psychology</p>
16.10	<p>Mapping disrupted protein dynamics that drive synaptic dysfunction in ALS/FTD</p> <p>Dr Ruxandra Dafinca, Nuffield Department of Clinical Neurosciences</p>
16.30	<p>The Role of the immune system in brain health</p> <p>Assoc, Professor Lahiru Handunnetthi, Department of Psychiatry</p>
16.50	<p>Contribution of thalamic head direction cells to spatial navigation</p> <p>Dr Sarah Hijazi, Department of Pharmacology</p>
17.10.	Concluding remarks
17.30	Drinks Reception