

# 17<sup>th</sup> Annual Oxford Neuroscience Symposium 18 March 2026

*Mathematical Institute, Andrew Wiles Building, University of Oxford*

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

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