

# 12<sup>th</sup> Annual Oxford Neuroscience Symposium 22 March 2023

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

08.15	<b>Registration opens</b>
09.00	<b>Welcome</b> Prof. Paul Harrison, Chair, Oxford Neuroscience Strategy Committee
	<b>Session 1</b> <b>Chair: Assoc. Prof. Annina Schmid, Nuffield Department of Clinical Neurosciences</b>
09.10	<b>Neural mechanisms for decision-making in primate amygdala neurons</b> Assoc. Prof. Fabian Grabenhorst, Dept. of Experimental Psychology
09.30	<b>Unanticipated links between rare and common neurodegenerative diseases</b> Prof. Frances Platt, Dept. of Pharmacology
09.50	<b>Novel treatments for psychosis</b> Prof. Philip McGuire, Dept of Psychiatry
10.10	<b>Memory and inference in mice and human</b> Dr. Helen Barron, Nuffield Dept. of Clinical Neurosciences
10.30	<b>Coffee and Posters</b>
	<b>Session 2</b> <b>Chair: Assoc. Prof. Susannah Murphy, Department of Psychiatry</b>
11.20	<b>Developing approaches to explore proteome complexity in the human brain</b> Dr. Becky Carlyle, Dept. of Physiology, Anatomy and Genetics
11.40	<b>Identifying risk factors for dementia in the Million Women Study</b> Assoc. Prof. Sarah Floud, Nuffield Dept. of Population Health
12.00	<b>gameChange: improving the lives of patients with psychosis through virtual reality therapy</b> Dr. Felicity Waite, Dept of Psychiatry
12.20	<b>Cortical layers in context and learning</b> Prof. Randy Bruno, Dept. of Physiology, Anatomy and Genetics
12.40	<b>Lunch and Posters</b>
	<b>Session 3 Rapid Fire Talks</b> <b>Chair: Prof. Grant Churchill, Department of Pharmacology</b>
14.10	<b>To me or not to me? Encoding of self-generated versus external sensory inputs</b> Dr. Jeffrey Stedehouder, Nuffield Dept. of Clinical Neurosciences
14.15	<b>Space as a scaffold for auditory and visual structure learning</b> Dr. Jacques Pesnot Lerousseau, Dept. of Experimental Psychology
14.20	<b>Interactions between subcortical dopamine and cortical activity: Implications for neuropsychiatric illness</b> Dr. Rob McCutcheon, Dept. of Psychiatry
14.25	<b>Identifying causal cell states in multiple sclerosis</b> Dr. Kate Attfield, Nuffield Dept. of Clinical Neurosciences
14.30	<b>Activity in the cortex-basal ganglia circuit across sensorimotor learning</b> Dr. Andrew Peters, Dept. of Physiology, Anatomy and Genetics
14.35	<b>Drivers of thalamic Tau pathology in the progression of Alzheimer's disease</b> Dr Tim Viney, Dept. of Pharmacology

14.40	<b>Seeding compatible alpha-synuclein species in stool samples of Parkinson's disease patients</b> Dr. Livia Civitelli, Nuffield Dept. of Clinical Neurosciences
14.45	<b>A frontal-temporal network in macaque brain regulates the impact of social information on choice</b> Dr. Ali Mahmoodi, Dept. of Experimental Psychology
14.50	<b>Coffee and Posters</b>
	<b>Session 4</b> <b>Chair: Prof. Richard Wade-Martins, Dept. of Physiology, Anatomy and Genetics</b>
15.40	<b>Relationships between mental health, subcortical neuroimaging markers, &amp; decision-making</b> Assoc. Prof. Miriam Klein-Flugge, Dept. of Experimental Psychology
16.00	<b>The immunopathogenesis of autoimmune encephalitis</b> Dr. Adam Handel, Nuffield Dept. of Clinical Neurosciences
16.20	<b>The Open WIN Project: Infrastructure &amp; community building to embed open science practice</b> Dr. Cassandra Gould van Praag, Dept. of Psychiatry
16.40	<b>Closing remarks</b>
16.45	<b>Plenary Lecture: Prodromal Parkinson's: where are we?</b> Professor Michele Hu MBBS, FRCP, PhD, Nuffield Dept. of Clinical Neurosciences
17.30	<b>Drinks Reception</b>