

12th Annual Oxford Neuroscience Symposium 22 March 2023

Mathematical Institute, Andrew Wiles Building, University of Oxford

08.15	Registration opens
09.00	Welcome Prof. Paul Harrison, Chair, Oxford Neuroscience Strategy Committee
	Session 1 Chair: Assoc. Prof. Annina Schmid, Nuffield Department of Clinical Neurosciences
09.10	Neural mechanisms for decision-making in primate amygdala neurons Assoc. Prof. Fabian Grabenhorst, Dept. of Experimental Psychology
09.30	Unanticipated links between rare and common neurodegenerative diseases Prof. Frances Platt, Dept. of Pharmacology
09.50	Novel treatments for psychosis Prof. Philip McGuire, Dept of Psychiatry
10.10	Memory and inference in mice and human Dr. Helen Barron, Nuffield Dept. of Clinical Neurosciences
10.30	Coffee and Posters
	Session 2 Chair: Assoc. Prof. Susannah Murphy, Department of Psychiatry
11.20	Developing approaches to explore proteome complexity in the human brain Dr. Becky Carlyle, Dept. of Physiology, Anatomy and Genetics
11.40	Identifying risk factors for dementia in the Million Women Study Assoc. Prof. Sarah Floud, Nuffield Dept. of Population Health
12.00	gameChange: improving the lives of patients with psychosis through virtual reality therapy Dr. Felicity Waite, Dept of Psychiatry
12.20	Cortical layers in context and learning Prof. Randy Bruno, Dept. of Physiology, Anatomy and Genetics
12.40	Lunch and Posters
	Session 3 Rapid Fire Talks Chair: Prof. Grant Churchill, Department of Pharmacology
14.10	Rapid modulation of cholinergic interneurons by satellite astrocytes Dr. Jeffrey Stedehouder, Nuffield Dept. of Clinical Neurosciences
14.15	Space as a scaffold for auditory and visual structure learning Dr. Jacques Pesnot Lerousseau, Dept. of Experimental Psychology
14.20	Interactions between subcortical dopamine and cortical activity: Implications for neuropsychiatric illness Dr. Rob McCutcheon, Dept. of Psychiatry
14.25	Identifying causal cell states in multiple sclerosis Dr. Kate Attfield, Nuffield Dept. of Clinical Neurosciences
14.30	Activity in the cortex-basal ganglia circuit across sensorimotor learning Dr. Andrew Peters, Dept. of Physiology, Anatomy and Genetics
14.35	Drivers of thalamic Tau pathology in the progression of Alzheimer's disease Dr Tim Viney, Dept. of Pharmacology

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