



UCL Neuroscience Symposium

Thursday 20 June 2024 | 8:15-18:00

08:15 – 09:00	Registration
09:00 – 09:10	<p>Welcome</p> <p>Professor Steve Fleming, Symposium Programme Committee Chair and Professor of Cognitive Neuroscience, Experimental Psychology, Division of Psychology & Language Sciences, UCL</p>
09:10 – 10:35	<p>Session 1</p> <p>Chair: Dr Peter Kok, Principal Research Fellow, Imaging Neuroscience, UCL Queen Square Institute of Neurology</p>
09:10 – 10:00	<p>Professor Pieter Roelfsema, Principle Investigator, Netherlands Institute for Neuroscience, Amsterdam</p> <p>Conscious visual perception and how to restore it when the eyes fail</p>
10:00 – 10:05	<p>Introduction to the Jon Driver Prize</p> <p>Professor Ray Dolan, Director of UCL - Max Planck Centre for Computational Psychiatry and Ageing Research</p>
10:05 – 10:20	<p>Jon Driver Prize Winner</p> <p>Maxime Beau, PhD Student, UCL</p> <p>A deep-learning strategy to identify cell types across species from high-density extracellular recordings and monosynaptic information transmission across the cerebellar output pathway</p>
10:20 – 10:35	<p>Jon Driver Prize Winner</p> <p>Eleanor Spens, PhD Student, UCL</p> <p>Learning to imagine: Generative models of memory construction and consolidation</p>
10:35 – 11:35	Poster session 1, trade exhibition & tea and coffee break
11:35 – 13:05	<p>Session 2</p> <p>Chair: Professor Mala Shah, Professor of Neuroscience, Pharmacology, UCL School of Pharmacy</p>
11:35 – 12:05	<p>Professor Sarah Garfinkel, Professor of Cognitive Neuroscience, Institute of Cognitive Neuroscience, UCL</p>

Clinical neuroscience and the heart-brain axis

12:05 – 12:35	Professor Aman Saleem , Experimental Psychology, UCL Visual cortical processing - more than what meets the eye
12:35 – 12:50	Early Career Prize Lecture – Junior Category Anya Suppermpool , Research Fellow, UCL Ear Institute Sleep pressure modulates single-neuron synapse number in zebrafish
12:50– 13:05	Early Career Prize Lecture – Advanced Category Dr Pip Coen , Principal Research Fellow, Cell & Developmental Biology, UCL Mouse frontal cortex mediates additive multisensory decisions
13:05 – 14:20	Poster session 2, trade exhibition & lunch
13:10 – 13:30	Lunchtime workshop by RWD Life Science RWD one stop solution for neuroscience
14:20 – 16:10	Session 3
	Chair: Professor Selina Wray , Alzheimer's Research UK Senior Research Fellow, Neurodegenerative Disease, UCL Queen Square Institute of Neurology
14:20 – 14:50	Dr Elena Dreosti , Senior Research Fellow, Cell & Developmental Biology, UCL Social swimmers: Zebrafish leading the way in mental health and pain research
14:50 – 15:20	Dr Athena Akrami , Senior Research Fellow, The Sainsbury Wellcome Centre, UCL Learning and exploiting sensory statistics across multiple species
15:20 – 16:10	Professor Karen Duff , Director of the UK Dementia Research Institute, UCL Unravelling the contribution of tau to Alzheimer's disease and frontotemporal dementia
16:10 – 16:20	Prize giving & closing remarks Professor Trevor Smart , Chair, UCL Neuroscience Domain
16:20 – 17:50	Networking reception, Jeffery Hall