

# CONFERENCE PROGRAMME

Thursday 5<sup>th</sup> September 2024

Time	Session/Activity	Venue
8:30 - 9:00	Arrival Refreshments	Great Hall
9:00 - 9:45	<b>Plenary Talk 6 - Lars Chittka - Social insects - ancient civilisations?</b> Chair: Carolina Rezaval	Bramall
9:45 - 10:30	<b>Session 10 - Gene expression and molecular neuroscience</b> Chairs: Matthias Soller and Natalia Sanchez-Soriano  9:45 - 10:00 - <b>Aaron Allen</b> - Transcriptional diversity of rare cell types underlying sexually dimorphic behaviours. (O28) 10:00 - 10:15 - <b>Guiyi Li</b> - The Toll adaptor Wek is a partner of Yki driving adult neurogenesis and gliogenesis (O29) 10:15 - 10:30 - <b>Francisco Antonio Martin</b> - Searching for a conserved transcriptional memory trace (O30)	Bramall
10:30 - 11:00	Refreshment Break	Great Hall
11:00 - 11:45	<b>Session 11 - Gene expression and molecular neuroscience</b> Chairs: Matthias Soller and Natalia Sanchez-Soriano  11:00 - 11:15 - <b>Julie Secombe</b> - Transcriptional regulation of neuronal development and function by the histone demethylase KDM5 (O31) 11:15 - 11:30 - <b>Sophie Waldron</b> - Single cell transcriptomics reveal molecular correlates of protein hunger. (O32)	Bramall

	11:30 - 11:45 - <b>Lukas Neukomm</b> - Local translation sustains synaptic function in impaired Wallerian degeneration (O33)	
11:45 - 12:30	<p><b>Session 12 - Neural circuits &amp; behaviour</b> Chairs: Carolina Rezaval and Moshe Parnas</p> <p>11:45 - 12:00 - <b>Megan Day</b> - Competition Fuels Risk-Taking by Inhibiting Threat-Induced Serotonin Pathways (O34) 12:00 - 12:15 - <b>Anna Hobbiss</b> - Actively Frozen - a novel pattern of leg muscle activity reveals flexible freezing states and anticipates movement onset in <i>Drosophila melanogaster</i> (O35) 12:15 - 12:30 - <b>Dennis Goldschmidt</b> - Multiple navigational strategies contribute to balancing exploration and exploitation during local search (O36)</p>	Bramall
12:30 - 14:00	Lunch and Posters	Great Hall
13:00 – 14:00	<p><b>Practical workshop: Bridging Connectomics and transcriptomics</b> David Osumi-Sutherland</p> <p>For more information on this workshop, please click <a href="#">here</a></p>	G30
14:00 – 14:45	<p><b>Plenary Talk 7 - Bruno Van Swinderen - The predictive fly brain</b> Chair: Thomas Riemensperger</p>	Bramall
14:45 – 15:30	<p><b>Session 13 - Neural circuits &amp; behaviour</b> Chairs: Carolina Rezaval and Moshe Parnas</p> <p>14:45 - 15:00 - <b>Marion Silies</b> - Heterogeneous synaptic connectivity in the visual system – causes and consequences (O37) 15:00 - 15:15 - <b>Tihana Jovanic</b> - Neural circuit mechanisms underlying flexible sensorimotor decisions in <i>Drosophila</i> (O38)</p>	Bramall

	15:15 - 15:30 - <b>Marta Costa</b> - Comparing male and female connectomes to quantify stereotypy and sexual dimorphism (O39)	
15:30 – 16:00	Refreshment Break	Great Hall
16:00 – 16:15	<p><b>Talks by Sponsors</b> Chairs: Carolina Rezaval and Moshe Parnas</p> <p>16:00 - 16:03 - <b>Cairn Research</b> 16:03 - 16:06 - <b>DroBot Biotechnology Co., Ltd.</b> 16:06 - 16:09 - <b>RxCelerate</b> 16:09 - 16:12 - <b>Novogene Co., Ltd.</b></p>	Bramall
16:15 – 17:00	<p><b>Session 14 - Neural circuits &amp; behaviour</b> Chairs: Carolina Rezaval and Moshe Parnas</p> <p>16:15 - 16:30 - <b>Davide Raccuglia</b> - Sensory filtering in the tired and sleeping brain (O40) 16:30 - 16:45 - <b>Cheng Huang</b> - Dopamine-mediated interactions between short- and long-term memory dynamics in Drosophila Mushroom Body (O41) 16:45 - 17:00 - <b>Ishaan Kapoor</b> - Distributed Octopamine signalling prioritises expression of recently learned information (O42)</p>	Bramall
17:00 – 17:05	Prizes Awarded for NeuroFly Bags and T-Shirts	Great Hall
17:05 – 19:00	<p><b>Poster Session with Refreshments</b></p> <p><a href="#">Click here</a> to view today's posters</p>	Great Hall
19:15 – 00:00	Conference Dinner	Botanical Gardens