

# CONFERENCE PROGRAMME

Friday 6<sup>th</sup> September 2024

Time	Session/Activity	Venue
8:30 - 9:00	Arrival Refreshments	Great Hall
9:00 - 9:45	<b>Plenary Talk 8 - Gaia Tavosanis - Exploring the landscape in the mushroom body calyx</b> Chair: Matthias Landgraf	Bramall
9:45 - 10:30	<b>Session 15 - Plasticity and Remodelling</b> Chairs: Matthias Landgraf and Christa Rhiner  9:45 - 10:00 - <b>Medha Raman</b> - Glutamate receptors interact with transcription factors to regulate synaptic scaling (O43) 10:00 - 10:15 - <b>Cathy Gouelle</b> - The putative monocarboxylate transporter CG8028 regulates synaptic activity through glutamate receptors at the postsynapse (O44) 10:15 - 10:30 - <b>Sayaka Eno</b> - Octopamine signaling regulates intracellular active zone heterogeneity depending on nutritional states (O45)	Bramall
10:30 - 10:45	<b>Talks by Sponsors</b> Chairs: Matthias Landgraf and Christa Rhiner  10:30 - 10:33 - <b>Pavel Itskov</b> 10:33 - 10:36 - <b>PHCbi</b> 10:36 - 10:39 - <b>WellGenetics</b> 10:39 - 10:42 - <b>Zanitiks</b> 10:42 - 10:45 - <b>Zeiss</b>	Bramall

10:45 - 11:15	Refreshment Break	Great Hall
11:15 - 12:00	<p><b>Session 16 - Plasticity and Remodelling</b> Chairs: Alicia Hidalgo and Christa Rhiner</p> <p>11:15 - 11:30 - <b>Maria Fernanda Ceriani</b> - (Ultra) structural plasticity in adult pacemaker neurons (O46) 11:30 - 11:45 - <b>Sofia Bandao</b> - Homeostatic feedbacks at central synapses support background invariant odor representations (O47) 11:45 - 12:00 - <b>Andrew C Lin</b> - Contradictory homeostatic plasticity in an inhibitory feedback circuit (O48)</p>	Bramall
12:00 – 12:45	<p><b>Session 17 - Plasticity and Remodelling</b> Chairs: Alicia Hidalgo and Christa Rhiner</p> <p>12:00 - 12:15 - <b>Chien-Chun Chen</b> - Sleep Deprivation Impairs Pattern Separation and Neural Coding in the mushroom body of <i>Drosophila melanogaster</i> (O49) 12:15 - 12:30 - <b>Büşra Coban</b> - Unlocking Visual Pathways: Enhanced Visual Learning Through Olfactory Deprivation in <i>Drosophila</i> (O50) 12:30 - 12:45 - <b>Anna Parsons</b> - The Toll adaptor Wek drives regenerative neurogenesis following CNS injury (O51)</p>	Bramall
12:45 – 13:00	<p><b>Closing Remarks and announcing Neurofly2026</b> Chair: Alicia Hidalgo</p>	Bramall
13:00 – 14:00	Neurofly2024 and Birmingham Centre for Neurogenetics Social <b>Lunch</b> - All Welcome	Great Hall

<p>14:00 – 15:30</p>	<p><b>Birmingham Centre for Neurogenetics launch</b></p> <p>14:00 - 14:15 - Opening Address by Prof Bill Bloss, Head of LES, to inaugurate the Centre.</p> <p>Scientific taster from across our community:</p> <p>14:15 - 14:35 - <b>Stephane De Brito</b> (School of Psychology): "Enhancing NeuroImaging Genetics through Meta-Analysis (ENIGMA)"</p> <p>14:35-14:55 - <b>Carolina Rezaval</b> (School of Biosciences): "Is love blind? Mating proximity blinds threat perception"</p> <p>14:55- 15:15 - <b>Zubair Ahmed</b> (Neuroscience &amp; Ophthalmology, Medical Health Sciences): "Inhibiting components of the DNA damage pathway promotes functional recovery after CNS injury in Drosophila and rodents"</p> <p>15:15-15:30 - Closing address by the Directors and keeping in touch: Alicia Hidalgo (Biosciences), Daniel Fulton (MDS) and Stephane De Brito (Psychology)</p>	<p>Bramall</p>
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