

Thursday 5th September



Themes:

- Neural circuits & behaviour
- Plasticity and Remodelling

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P190	Nigel	Atkinson	NF-κB signaling at the synapse: Identification of protein pairing partners using TurboID and AlphaFold
P150	Isabella S.	Balles	Towards establishing a cocaine preference model in Drosophila melanogaster
P155	Leticia	Batista	Impact of Developmental Temperature on Neural Circuit Assembly and Behavior
P206	Jean-Paul	Berwick	Astrocyte-to-neuron H ₂ O ₂ Signaling in Memory to Alzheimer's Synaptopathy
P172	Devika	Bodas	Balancing Risk and Reward: Neural Basis of Action-selection in Flies
P189	Marina	Boon	Individual Drosophila show stable sensory processing "personalities": a platform to study inter-individual variability in Autism
P191	Tariq	Brown	Neural Dynamics Underlying the Formation and Retrieval of Alcohol Memories in Drosophila
P207	Agustina	Bruno-Vignolo	Unraveling the roles of the chloride channel ClC-a in Drosophila sleep neurons
P173	Edgar	Buhl	Decoding the fly's circadian membrane clock
P192	Laura	Burnett	Connectome-guided search for novel direction-selective cells in the Drosophila visual system.
P203	Jorge	Campusano	The transglutaminase enzyme contributes to brain development and function
P202	Martina	Canova	Neural Circuits Underpinning state-dependent odor-taste Integration
P234	Yannick	Carrier	Biased cell adhesion organizes the Drosophila visual motion integration circuit
P217	Ivy Chi Wai	Chan	Odor generalisation versus discrimination driven by a connectivity bias for different ethological groups of odors in the Drosophila Mushroom Body
P236	Keagan	Chronister	Octopamine induces rapid Unc13A activation for presynaptic potentiation
P121	Typhaine	Comyn	PKCδ is an activator of neuronal mitochondrial metabolism that mediates the spacing effect on memory consolidation
P139	Rob	Court	Virtual Fly Brain - Integrating Drosophila melanogaster nervous system Split-GAL4 driver lines with connectomic and transcriptomic data
P243	Tom	Cozens	Morphological adaptations to excess activity in single Drosophila Kenyon cells
P230	Anthony	Crown	Neural circuit control of steering movements in walking Drosophila
P152	Kevin	Cury	Recognition and Avoidance of Predators in Drosophila
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P161	Shamik	DasGupta	Does the Fly Brain Do Geometry?
P177	Ilaria	D'atri	Memory systems in path integration
P210	Anthony	Defert	Sex, fights and fruit flies: mating strategy in hyperaggressive Drosophila melanogaster
P127	Fiona	Defty	A Brave New Virtual World - A Novel Virtual Reality Set-Up for the Study of Drosophila Behaviour
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P238	Jean-Maurice	Dura	The two roles of Orion on glia function during mushroom body neuronal remodelling
P148	Erica	Ehrhardt	Anatomy of somatosensory neurons in the adult central nervous system at single-cell resolution
P140	Anatoli	Ender	Pacemaker currents of R5 neurons and their role in sensory filtering in Drosophila melanogaster
P117	James	Evans	Investigating activity-regulated genes required for long-term memory
P166	Tania	Fernandez d.V. Alquicira	Cellular and molecular network mechanisms of memory consolidation
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P145	Gabriella	Mazzotta	Daily changes in the mitochondria network in the retina of Drosophila melanogaster
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