Tuesday 3rd September

Themes:

- Developmental and cellular neuroscience
- Brain Homeostasis & Metabolism
- Brain disease, injury, ageing
- Gene expression and molecular neuroscience

Number	First Name	Last Name	Paper Title
P26	Theodóra Björk	Ægisdóttir	Molecular and structural effect of ubiquitous proteins of the AAA+ ATPs family at the Neuromuscular Junction
P82	Francesco	Agostini	The Parkinson Disease-associated protein DJ-1 participates in energy metabolism by modulating mitochondrial and autophagic activity.
P85	Kayomavua	Akpobaro	Drosophila as a model to test risk factors for Late-Onset Alzheimer's Disease
P67	Seham	Almalki	Exploring the Role of DNA Damage Response in Neurodegeneration
P6	Claudio R.	Alonso	microRNA regulation of the emergence of embryonic movement in Drosophila
P86	Leonardo	Amadio	Characterising genetic modifiers of Alzheimer's Disease pathology in Drosophila.
P105	Gabriel	Aughey	Inducing cell-cycle gene expression in post-mitotic neurons perturbs locomotion and sleep in Drosophila
P76	Charlotte	Auth	Female reproductive senescence can be prevented by manipulating a conserved neurohormonal pathway in Drosophila
P68	Marlene	Barth	Cellular mechanisms underlying progressive neurodegeneration: Insights from the Drosophila neuromuscular junction.
P40	Ruchira	Basu	Adaptive modulation of glial lipid metabolism during aging.
P113	Chiara	Bettini	Understanding circadian rhythms using natural genetic polymorphisms
P42	Marco	Bisaglia	α-Synuclein and mitochondria interplay in ferroptosis: Implications for Parkinson's Disease
P2	Zofia	Borzyszkowska	Myosin VI is present during development of Drosophila brain
P5	Adam	Bradlaugh	Insights into the mechanism of non-canonical magnetoreception mediated by Cryptochrome
P91	Carlo	Breda	Loss of dRAB39 causes Parkinson's associated phenotypes in a Drosophila
P57	Georgia	Brown	Drosophila DEAD-box protein Belle as a regulator of RNP granule formation and pathogenic aggregation
P20	Pierre	Cattenoz	Cholinergic neurons modulate macrophage homeostasis in the Drosophila larva
P37	Elizabeth	Connolly	Investigating the role of Toll-9 in coupling environmental inputs with systemic responses
P4	Cemre	Coskun	Dendritic growth of motion-sensitive T4/T5 neurons of Drosophila is affected by knocking down Receptor Tyrosine Kinase Alk
P13	Bramwell	Coulson	Are neuronal homeostatic set points encoded during critical periods of development?
P65	Rituparna	Das	Eyeing repeat expansion neurodegeneration through flies: identifying novel role of RNA binding proteins in Spinocerebellar ataxia 8 disease
P7	Matthew	Davies	Shot Cooperates with Microtubule Organising Centre Components to Promote Dendritic Microtubule Orientation and Pruning
P31	Jacob	Davies	Increased Temperature During an Embryonic Critical Period Induces Heterogeneous Responses within the Drosophila Larval Locomotor Circuit
P1	Sarah	Doran	Circadian control in the timing of sensitive periods during Drosophila larval neuronal development.
P90	Karolina	Doubkova	Identifying hallmarks of early axonal vulnerability in a model of sporadic neurodegeneration using the Drosophila visual system
P55	Ella	Dunn	Exploring neuromuscular function in Drosophila models of ALS
P63	Alex	Dyson	MEK Inhibition as a Potential Therapeutic Strategy for the Non-Tumour Manifestations of Neurofibromatosis Type 1 (NF1)
P107	Miranda	Dyson	A Versatile Toolkit for Chemical Connectome Mapping and Manipulation of Neurotransmitter and Neuromodulator Receptors
P89	Kazi Ishrak	Faiyaz	Circadian Control of Alzheimer's Disease in Drosophila melanogaster
P22	Mohammad	Farhan	Sexually dimorphic neuronal development, behaviors, and gene expression in Chd1-modulated Drosophila
P43	Dominique	Ferrandon	The Drosophila host defense against Aspergillus fumigatus involves at least 50 genes, most of which are functionally required in the nervous system
P79	Florian	Fischer	The sodium channel blockers lamotrigine and lacosamide suppress seizure-like activity in the bang-sensitive mutant easily shocked[2F]
P35	Adrien	Franchet	Glutamine catabolism in perineurial glia fuels neuroblast proliferation during brain sparing
P66	Théo	Gauvrit	Genetic and Molecular Characterization of a Cluster of Three snoRNA Involved in Aging, Longevity, and Neurodegeneration in Drosophila.
P116	Angela	Giangrande	Neural cell identity is defined by functional signatures and by stage-specific chromatin features involving the DNA-repair Rad50 protein
P36	Katie	Greenin-whitehead	Ectopic sodium channel expression paradoxically decreases excitability of Drosophila Kenyon cells
P81	Emilia	Gregory	Investigating the neuronal functions of putative tau interactors
P98	Alexandra	Grossjohann	Evaluating Octopamine Function in Drosophila Larvae: Insights from Molecular and Behavioral Studies on Trojan Exon Lines
P56	Maëlwenn	Hamon	An invertebrate model to identify virulence and neuro-damaging factors during pathogenic infection by Toxoplasma gondii

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P78	Tadros	Hana	Developmental and physiological impacts of pathogenic human huntingtin protein in the nervous system
P61	James	Hodge	Determining the mechanism of action of PTK2B tyrosine kinase (Drosophila Focal Adhesion Kinase (FAK)) in Alzheimer's disease
P71	Mariam	Huertas Radi	Influence of Circadian Rhythms on Drosophila Seizure Activity.
P16	Saline	Jabre	Responses of brain tumors to mechanical stress
P11	Gabor	Juhasz	Mechanisms and neurodevelopmental roles of an autophagy-related phagocytic degradation pathway in glia
P60	Robin	Karge	Functional Analysis of Genetic Epilepsy Variants in AP2M1 and STXBP1 using Drosophila Models
P48	Steffen	Kautzmann	Differential interaction of wrapping glia with sensory and motor axons in Drosophila larvae
P110	Richard	Kelly	Exploring the Neurodevelopmental Impact of KDM5 Loss in Dopamine Neurons
P115	Carl Sander	Kiir	Genome Wide Characterization of Neuronal Activity-Dependent Transcription in Drosophila
P88	Sigrid	Kirss	α-lipoic acid as potential copper regulator in case of Alzheimer's disease
P34	Andres	Köhler	The impact of the brain's metabolic status on neuronal morphophysiology
P100	James	Kramer	A mushroom body memory transcriptome time course reveals essential long term memory transcription factors.
P18	Shubham	Kumar	Investigation of Golgi Outposts in C4da Sensory Neurons of Drosophila melanogaster: Pitfalls and New Approaches
P15	Inês	Lago-Baldaia	Are different astrocyte morphologies dictated by the distinct neuron-types they associate with?
P24	Nicolas	Laville	Do neural stem cells communicate with each other in the developing Drosophila central nervous system?
P10	Lena	Lion	Casein kinase 2 controls functional and structural synaptic plasticity at the Drosophila NMJ
P50	Simon	Lowe	BK channels modulate a critical period for motor development in Drosophila
P108	Amira	Mahoney	Understanding link between KDM5C-mediated transcription and learning and memory
P104	Isabella	Maiellaro	Mapping the nanoscale organisation of cAMP signalosome at synapses in Drosophila motor neurons
P77	Sameekshya	Mainali	BRAIN INNATE IMMUNE ACTIVATION FOLLOWING BACTERIAL INFECTION IN DROSOPHILA MELANOGASTER
P49	Tulika	Malik	Synaptic Defects of FUS Model of ALS in Adult Motor Neurons
P47	Amaya	Malmalabaduge	Oxidative stress promotes axonal atrophy through alterations in microtubules and EB1 function
P21	Peter	M'Angale	Structure of virus-like Copia capsid hints at structural antagonism with dArc1 to regulate synaptic plasticity.
P14	Federica	Mangione	Architecture of the Drosophila Tactile Bristle Mechanoreceptor
P101	Gérard	Maniere	A SLC7A amino-acid transporter, MINIDISCS, is involved in amino acid-dependent neuronal activity in Drosophila melanogaster
P53	Jean-René	Martin	The snoRNA-jouvence: from Fly longevity to Human rejuvenation and cancer therapy.
P93	Olivia	McGinnis	Transcriptomic identity and diversity of ring neurons
P69	Veronique	Monnier	Overexpression of Tspo in glial cells extends Drosophila lifespan and is protective in a model of Friedreich Ataxia
P33	Sara	Monticelli	NimA promotes glial barriers in the fly nervous system
P114	Anna	Munro	Non-canonical radical pair magnetosensitivity in Drosophila
P28	Melinda	Nabavi	Robustness of Early Pattern Formation in the Drosophila Visual Map
P29	Anne Sophie	Oepen	Dopamine neuron network reorganization during Drosophila pupal metamorphosis
P30	Anne Sophie	Oepen	Reorganization of the dopamine neuron network during the pupal metamorphosis of Drosophila
P12	Kiel	Ormerod	Mechanisms of Neuropeptide sorting, trafficking, capture and release
P111	Eymen Ece	Oruc	Influence of glial membrane proteins on axonal conductance velocity
P27	Melisa	Ozmen	Regulating Role of the Cellular Environment on T4 Dendrite Development
P80	Angelina	Palacios-Munoz	Mutations in tao, the homologue of TAOK1 autism candidate gene, leads to autism-like behaviors in adult Drosophila melanogaster
P23	Benjamín	Pérez Urzúa	A Novel Microexon Regulator of Axon Guidance in Drosophila melanogaster
P9	Astrid	Petzoldt	Molecular insights into biogenesis and transport of presynaptic transport vesicles
P99	Clare	Pilgrim	Virtual Fly Brain - Integrating scRNAseq Data for Advanced Drosophila Neurobiology
P41	Sara	Pina-Flores	The role of physical activity on brain health.
P83	Amy	Preston	Functional characterisation of Alzheimer's risk gene choline transporter-like protein 2 (CTL2/SLC44A2) in Drosophila
P92	Raymond	Price	Using Complex Behaviour to Investigate Functional Loss in Drosophila Models of aging and neurodegeneration
P59	Miguel	Ramírez Moreno	A novel screening method for Tau toxicity using the Drosophila wing disc

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P103	Thomas	Ravenscroft	Filling in the gaps of the Drosophila connectome: genetic strategies to locate electrical synapses and neuropeptides.
P3	Rebekah	Ricquebourg	Spatial factors affect temporal patterning of neuronal stem cells to regulate neuronal diversity
P72	Anabel	Rodriguez Simões	A glia-derived cytokine regulating proliferation.
P19	Ezio	Rosato	Neuronal progenitors suffer genotoxic stress in Drosophila per0 mutants
P109	Heidi	Roth	Skylight navigation across insects - Molecular changes in homothorax locus shape the Drosophila DRA into an evolutionary novelty of higher Diptera.
P32	Sebastian	Rumpf	mRNA export defects cause neurite pruning defects
P39	Emily	Rywelski	morgoth encodes a putative monoamine oxidase (MAO) involved in degradation of biogenic amines in the Drosophila central nervous system
P97	Usama	Saeed	Neuroendocrine Signaling Regulates the Glucagon-like Adipokinetic Hormone (AKH) Release in Maintaining Metabolic Homeostasis in Drosophila melanogaster
P95	Cristiana	Santos	Fbxo42-mediated ubiquitylation of Ataxin-2 modulates Xbp1 signaling
P44	Bibiana	Sgalletta	Functional characterization of C19orf12 in the context of mitochondrial membrane protein-associated neurodegeneration
P51	Deepanshu	Singh	Fungi activate Toll-1 dependent immune evasion to induce cell loss in the host brain
P17	Jack	Smith	GABAergic Signalling Regulates the Opening of a Critical Period of Neural Development during Drosophila Embryogenesis
P74	Sophie	Smith	Modelling the Role of L-type Voltage Gated Calcium Channel Signaling (CACNA1C) in Epilepsy and Alzheimer's disease
P45	Tora	Smulders-Srinivasan	Mitochondrial electron transport chain defects rescue Parkinson's disease phenotypes in Drosophila melanogaster models.
P87	Mathilde	Solyga	Reorganization of the F-actin cytoskeleton in aging Drosophila neurons
P64	Jasmine	Speranza	Altered gut physiology and microbiota in a Drosophila model of Huntington's disease
P106	Lena Sarah	Stanisławczyk	The role of Rab3 and RabX2 in TRPL recycling within Drosophila photoreceptors
P52	Aron	Szabo	Impairment of LC3-associated phagocytosis triggers innate immune responses in glia leading to neurodegeneration
P96	Suguru	Takagi	Tuning beyond receptors: molecular mechanisms of divergent olfactory acid responses
P54	Lucie	Tkacova	Understanding the interplay between age-associated mitochondrial changes.
P75	Simona	Totaro	In vivo effects of pharmacologic and genetic PARP inhibition on Cohesin-mediated brain phenotypes using Drosophila melanogaster
P25	Chiakang	Tsao	Exploring the Impact of Wrapping Glia Endoreplication on Axon Wrapping
P84	Boyd	van Reijmersdal	Finding and treating hidden RASopathies among Drosophila models with habituation deficits
P70	Virag	Vincze	Autophagy fine-tunes Stat92E activity by regulating Su(var)2-10 during glial activation in Drosophila
P94	Francesca	Viscido	Maintenance of neuronal functionality in an aging organism: the role of Arrestin2 in maintaining the mutually exclusive Rhodopsin5/Rhodopsin6 expression in the adult Drosophila retina.
P8	Neele	Wolterhoff	Live observation of developmental choices: competitive column selection predetermines synaptic partnerships of Drosophila Dm8 neurons
P38	Sanjay Ramnarayan	Yadav	The role of ITP signaling in the energy metabolism of Drosophila melanogaster.
P46	Xiaojing	Yue	Analysis of gut-brain interactions in transgenic Drosophila models of Parkinson's disease
P58	Li	Zhang	Metabolic Reprogramming and Mitochondrial Dysfunction in GDAP1-Related Charcot-Marie-Tooth Disease: Insights from a Drosophila Model
P73	Yongrui	Zhang	A novel peptide-based Tau aggregation inhibitor as a potential therapeutic for Alzheimer's disease and other Tauopathies
P112	Youchong	Zhang	Subcellular localization of proteins in Drosophila dopaminergic neurons
P62	Anna	Ziegler	High C16-Ceramide levels affect neuronal mitochondria in vivo
P102	Petra	zur Lage	The specification of functionally distinct chordotonal neuron populations in the fly's 'inner ear', Johnston's organ