

POSTERS NUMBERS



Poster sessions:

- 1- October 20th Lunch and Posters
- 2- October 20th Posters + Wine and Cheese
- 3- October 21st Lunch and Posters

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1	Alejandro Martín-Belmonte	Reduction in the density of GIRK channels and loss of their co-clustering with GABAB receptors in the hippocampus of APP/PS1 mice	1
2	Alessandra Folci	OLIGOPHRENIN-1: A NOVEL SUMO TARGET IN SYNAPTIC FUNCTION AND DYSFUNCTION	2
3	Alessandro Chioino	Impact of mitofusin 2 on accumbens-associated behaviors and underlying neurobiological mechanisms	3
5	Àlex Bayés	Synaptic Molecular Alterations Implicated in the Neurodevelopmental Disorder Caused by SYNGAP1	2
6	Alex Fletcher-Jones	Potential strategy for the therapeutic regulation of the endocannabinoid system with interfering peptides that modulate SGIP1 binding	3
7	Alfonso Aguilera	Influence of GABAergic interneurons in the refinement of brain callosal circuits	1
8	Ana Beltran Arranz	Glia-to-interneuron conversion in the postnatal mouse cortex	3
9	Ana Castro	HCN channelopathy and auditory hypersensitivity in the Shank3 mouse model of ASD	3
10	Ana Filipa Terceiro	Methamphetamine-induced remodelling of hippocampal neurons is orchestrated via cdc42 pathway	1
11	Ana Moreira de Sá	Physiological role of the full-length amyloid precursor protein (APP) in presynaptic plasticity and information transfer within hippocampal CA3 circuits	2
12	Ana Osorio Oliveira	The role of astrocyte-microglia interplay on synaptic pruning in cerebral organoids from Schizophrenia patients	3
13	Ângela S. Inácio	Aberrant hippocampal transmission and behavior in mice with a stargazin mutation linked to intellectual disability	3
14	Anna Corradi	PRRT2 PATHOGENETIC MUTATIONS IMPACT ON NaV1.2 SODIUM CHANNEL BINDING AND FUNCTION	2
15	Anna Karpova	Preventing Jacob-induced transcriptional inactivation of CREB protects synapses from β -amyloid in Alzheimer's Disease	1
16	Anwasha Ghosh	Adenosine A3 receptors as targets to an antiseizure drug to inhibit hippocampal GABA transport	3
17	Attila Köfalvi	Presynaptic Interactions Between Adenosine and Cannabinoid Receptors in the Striatum	1

18	Ayca Olcay	Analysis of Synapse-enriched Circular RNAs for Loss-of-Function Studies in Primary Cortical Neurons	1
19	Bárbara Correia	Synaptic transmission is affected by the lack of plasmalogens	3
20	Beatriz Rodrigues	MiR-186-5p inhibition rescues chronic stress-induced synaptic deficits	1
21	Blanca Lorente Echeverría	Dissecting the transcriptional programs that orchestrate mossy fiber synapse development	2
22	Busra Perihan Yucel	Interplay between Palmitoylation and Phosphorylation Regulates Synaptic Kainate Receptor Surface Expression	3
23	Cátia R. Lopes	THE ROLE OF ASTROCYTIC A2A RECEPTORS ON HIPPOCAMPAL SYNAPTIC PLASTICITY AND MEMORY	1
24	Charlotte Kilstrup-Nielsen	Novel Role of CDKL5 in the Inhibitory Synapse and a Possible Therapeutic Strategy for CDKL5-Related Defects	2
25	Cláudia Guimas Almeida	Alzheimer's disease risk factor CD2AP causes synapse dysfunction via actin-dependent control of spine morphology	3
26	Danaja Kuhanec	Measurements of cytosolic cAMP in 3T3 embryonic cells and astrocytes using FRET-based nanosensor	1
27	Daniela Pereira	Studying corticostriatal synaptic structure/function relationship and motor learning-induced plasticity	2
28	David Vandael	Myelination speeds up PV+ BC mediated inhibition onto CA1 pyramidal neurons	3
29	Débora Serrenho	Human anti-CASPR2 autoantibodies impact synaptic transmission and neuronal excitability	1
30	Delia N Chiu	Determinants of short-term synaptic plasticity at a high release probability synapse	2
31	Dimitra Ranti	Ataxia Telangiectasia Mutated (ATM) safeguards synaptic homeostasis upon cellular stress	3
32	Dimphna Meijer	A compact conformation of Teneurin dimers for neuronal circuit wiring	1
33	Diogo Tomé	Regenerative and synaptogenic effect of human umbilical cord perivascular cells secretome in central nervous system neurons	2
34	Domenico Azarnia Tehran	Selective Endocytosis of Ca ²⁺ -permeable AMPARs by the Alzheimer's Disease Risk Factor CALM Bidirectionally Controls Synaptic Plasticity	2
35	Egor Dzyubenko	Transient attenuation of extracellular matrix supports synaptic remodeling after stroke	1
36	Elena Ferrari	Rabphilin-3A as novel target to counteract alpha-synuclein induced synaptic loss in Parkinson's disease	2
37	Elena Taverna	Using iPSCs to study the evolutionary aspects of synapse maturation	3
38	Eleonora Cuboni	Neddylation-dependent protein degradation is a nexus between synaptic insulin resistance, neuroinflammation and Alzheimer's disease.	1

39	Elisa Corti	Fragile-X Mental Retardation protein mediates BDNF-induced upregulation of synaptic NMDA receptors	2
40	Elizabeth Brockman	Dissecting the contribution of astrocytes and upper layer neurons to human cortical circuit dynamics in Down Syndrome	3
41	Erica Tagliatti	Microglial TREM2 receptor signaling shapes neuronal morphology and function during development.	1
42	Esperanza López Merino	The role of H-Ras in metabotropic glutamate receptor-dependent long term depression and cognitive behavior	2
43	Fatima Rubio-Pastor	Acute genetic elimination of a synaptic co-chaperone to study and to revert presynaptic dysfunction and neurodegeneration	3
44	Filipe Duarte	Regulation of hippocampal dendritic mitochondria by BDNF	1
45	Florian olde Heuvel poster 1	Interleukin-13 and its receptor are neuronal proteins involved in synaptic and neuronal physiology	2
46	Florian olde Heuvel poster 2	Shank2 identifies a subset of glycinergic interneurons involved in altered nociception in an autism model	2
47	Gabriele Marcassa	Mapping compartment-specific synaptic protein distribution in somatosensory circuits	1
48	Giampaolo Milior	Epileptogenic features of neural progenitors derived from cerebral biopsies of FCDs patients in chimeric mice	3
49	Gianluca Masella	NT-3/TrkC-dependent regulation of NMDA receptors: implications for fear extinction	3
50	Giuseppe Cammarata	Neurodevelopmental effects of valproic acid exposure in human brain organoids	1
51	Isabella Barbiero	Microtubules as a novel therapeutic target for CDKL5 deficiency disorder	2
52	János Brunner	Uniformization of action potentials in variable caliber axons	3
53	Jeannette Schmidt	Regulation of Glutamatergic Synapses by the Rho GTPase Activating Protein ARHGAP8	1
54	Joana Correia	Unraveling The Role of Polyubiquitination in Presynaptic Release	2
55	Joana Ferreira	NMDA receptors nanoarchitecture: an emerging regulator of glutamatergic synapses	3
56	João Pedro Lopes	The impact of inosine on hippocampal synaptic transmission and plasticity involves adenosine released through equilibrative nucleoside transporters rather than the direct activation of adenosine receptors	1
57	Joel Pereira Pires	STEP regulates early neuronal development of hippocampal neurons	2
58	Jorge Castanheira	CD2AP, AN ALZHEIMER'S GENETIC RISK FACTOR, CONTROLS SPINAL F-ACTIN AND AMPAR TRAFFICKING IN SYNAPSES	3

59	José Mateus	Controlled patterning of synapse formation in vitro	1
60	Julie JEZEQUEL	Cell- and input-specific perisomatic inhibition patterns onto layer 5 pyramidal neuron subpopulations	2
61	Julien Dupuis	Ketamine enhances NMDAR synaptic trapping and alleviates molecular and behavioral deficits elicited by anti-NMDAR encephalitis patient antibodies	3
62	Kaja Belko Parkel	Adenosine- and noradrenaline-induced increase in cytosolic glucose and lactate in isolated astrocytes	1
63	Karolina Talandyte	Exploring the roles of SENP3 in kainate receptor trafficking	2
64	Katarzyna Grochowska	Activity-dependent lysosomal exocytosis of chaperone-mediated autophagy substrates in dendrites	3
65	Lia Carvalhais	New insights into the roles of SNAP-29 in neuronal and synaptic functions	1
66	Loredana Cumpăna	The Modulation of Thalamic Reticular Nucleus Neurons by Corticotropin-Releasing Hormone	2
67	Ludovic Tricoire	GRID1/GluD1 homozygous variants linked to intellectual disability and spastic paraplegia impair mGlu1/5 receptor signaling and excitatory synapses	3
68	Luís Ribeiro	Neuroligins induce dendritic outgrowth in an ICAM5-dependent manner.	1
69	Luisa V. Lopes	Age-dependent NMDA receptor function is regulated by the amyloid precursor	2
70	Maëla Paul	Coding the identity of a single synapse type: the climbing fiber/Purkinje cell synapse	3
71	Malka Cohen-Armon	Long-term memory acquisition and loss are dependent on PARP1- Erk2 synergism.	1
72	Manuela Rizzi	Identifying convergent dysregulation of mRNA translation in multiple models of autism	2
73	Margarida Falcão	Somatosensory processing in a mouse model of ASD	3
74	Maria Italia	Anti-GluA3 antibodies in Frontotemporal Dementia: an in vivo approach	1
75	Maria Joana Pinto	Microglial TNF α orchestrates phosphorylation of synaptic proteins and controls homeostatic sleep	3
76	Mariana Barata	Bin1 function in inhibitory synapses: compromised by Alzheimer's genetic risk variants	2
77	Mariana Laranjo	Conditional deletion of Gprasp2 in PV-positive neurons drives hippocampal circuit alterations and cognitive dysfunction	1
78	Mariana Martins	Exploring the missing link between primary cilia and neurodevelopmental disorders: the case of a novel MBD5 variant in a patient with severe epilepsy	2
79	Marina Ventura Rodrigues	FUNCTIONAL MODULATION OF KV7.2 CHANNELS BY STARGAZIN	3
80	Marta Dias	PirB Receptor Mediates a Retrograde Cellular Response to Amyloid- β Oligomers	1

81	Miranda Mele	K ⁺ -Cl ⁻ -cotransporter (KCC2) activation as a novel therapeutic strategy for epilepsy	2
82	Mzia Zhvania	Aging affects synaptic morphology of the hippocampus in male and female Wistar rats	3
83	Nadezhda Japaridze	Noise exposure and ultrastructural changes in the adult rat hippocampus.	1
84	Nicoletta Landsberger	Neural precursor/stem cell-based therapy for the treatment of Rett syndrome	2
85	Nino Pochkhidze	The Effect of Toluene on the Ultrastructure of the Hippocampus CA1 Areas in Rats. Electron Microscope Study	3
86	Nozha Borjini	Microglia in the presynaptic dysfunction and neurodegeneration in mice lacking the synaptic co-chaperone CSP α /DNAJC5	1
87	Nuno Beltrão	Cerebellar dysfunction in animal models of neurodevelopmental disorders with human mutations in the CACNG2 gene	2
88	Orsolya Antal	Cognitive behavioural deficits in a knock-in mouse model with a human schizophrenia-associated mutation in the CACNG2 gene	3
89	Ottavia Maria Roggero	A systems pharmacology approach for innovative treatments to promote recovery of neuronal atrophy in Rett syndrome	1
90	Patrick Laurent	PPRP-1/PHACTR holophosphatase controls SV cycle	2
91	Rafael Almeida	Non-synaptic axonal neurotransmission regulates myelinated circuit formation in vivo	3
92	Rafael Fernandez-Chacon	CSP α /DNAJC5 in glutamatergic synaptic function and maintenance	1
93	Rahul Gupta	Dendritic spine neck restriction regulates heterosynaptic plasticity	2
94	Raquel Domingues	Using Cell profiler for an unbiased and automatic analysis of subsynaptic alterations relevant to Alzheimer's disease	3
95	Roberta De Rosa	The Functional Role of CDKL5 at the Inhibitory Synapse and its Interaction with the Cytoplasmatic Collybistin-Gephyrin Complex	1
96	Rodrigo A. Cunha	Adenosine A2A receptor blockade reverts alterations of synaptic plasticity and mitochondria to restore memory performance in aged rats	2
97	Rui O. Costa	Autophagy dysfunction in axons: a trigger for Alzheimer's disease?	3
98	Samira Ferreira	Chronic blockade of adenosine A2A receptors revert prefrontal cortex synaptic plasticity deficits induced by binge-like exposure to ethanol in adolescent female rats	1
99	Santiago López Begines	Lipofuscinosis induced by Kufs disease DNAJC5/CSP α is not induced by the lack of DNAJC5/CSP α in vivo mutants	2

100	Sara Costa Silva	Electrical stimulation of astrocytes and its impact on astrocytic calcium signaling	3
101	Sara Tacconelli	Identifying synaptic disease-modifying interactors of FUS	1
102	Sean Weaver	Untangling plasticity mechanisms using synaptically patterned networks <i>in vitro</i>	2
103	Severine Sigoillot	Modified climbing fiber/Purkinje cell synaptic connectivity in the cerebellum of the neonatal phencyclidine model of schizophrenia	3
104	Simo Ojanen	GluK1-containing kainate receptors and synchronous activity in the hippocampus	1
105	Uri Ashery	Dissection of the Cellular and Molecular mechanisms of cAMP-dependent synaptic plasticity in the hippocampus	2
106	Victor Briz	Perinatal exposure to pesticides alters synaptic plasticity signaling and induces behavioral deficits associated with neurodevelopmental disorders	2
107	Zaha Merlaud	THE WNK/SPAK pathway tunes GABAA receptors at inhibitory synapses in the hippocampus	1