

# Posters

## 2025 Synapsy Network Annual Retreat



N°	Name	Affiliation	Title
1	Paola Bezzi	UNIL	Astrocytic mitochondria in the pathophysiology of 22q11 deletion syndrome
2	Teya Petrova	CHUV	Brain dysconnectivity and cognitive impairment in early psychosis: interplay between nature and nurture
3	Dogukan Hazar Ulgen	EPFL	Normalization of the accumbal cell type-specific transcriptomic signatures and anxiety- like behaviour following treatment with a mitochondrial booster in outbred rats
4	Dimokratis Karamanlis	UNIGE	Neural correlates of a social learning strategy during joint decision-making
5	Lorina Sinanaj	UNIGE	Transcranial Magnetic Stimulation Targets in Schizophrenia (provisional title)
6	Jade Awada	UNIGE	A Longitudinal and Reproducible Anti-coactivation Pattern Between the Cerebellum and the Ventral Tegmental Area Relates to Apathy in Schizophrenia
7	Noëla Rémond-Derbez	CHUV	Neurotechnology to uncover Lewy Body Disease
8	Carlotta Schneider	UNIGE	Sleep-wake perception in patients with insomnia disorder
9	Fabienne Windel	EPFL	Beyond tired: Investigating cognitive fatigue across age and patient populations
10	Silas Forrer	UNIGE	Age-Dependent Variability in Functional Connectomes: Across Networks in Health and 22q11DS
11	Thibaut Chataing	UNIGE	Decoding Autism Through AI: A Computational Approach to Non-Verbal Social Interactions
12	Irmak Cabas	UNIL / CHUV	Role of the Transcription Coactivator CRTC1 in Neuroinflammation and Depression
13	Laura Fusi	UNIGE	Unveiling micro-Co-activation Patterns of Hippocampus-Amygdala Complex in 22q11DS
14	Caren Latreche	UNIGE	Using home-based transcranial alternating current stimulation in 22q11.2 deletion syndrome
15	Fiona Journal	UNIGE	Flexibility in the context of ASD and ADHD comorbidity
16	Natacha Reich	UNIGE	Multivariate deep phenotyping reveals behavioral correlates of non-restorative sleep in 22q11.2 Deletion Syndrome
17	Francesca Barcellini	UNIGE / EPFL	The Locus Coeruleus as a Network Conductor: Unraveling LC-Mediated Brain-Wide Dynamics with fMRI-Photometry
18	Kenza Latrèche	UNIGE	Unraveling language development trajectories in autism spectrum disorder: electrophysiological evidence
19	Iliana Ilaridou	UNIGE	Identifying factors influencing cognitive outcomes in children with Autism receiving Early Intensive Intervention
20	Raoul Jenni	CHUV	Assessing the effects of uni- and multimodal 40Hz stimulation on human EEG oscillatory activity: methodological considerations and preliminary data for therapeutic intervention in attenuated psychosis syndrome
21	Laurine Gonzalez	UNIL	SHANK3 scaffold proteins in astrocytes regulate postnatal maturation of striatal circuits: Implications for Phelan-McDermid Syndrome
22	Lisa Watt	EPFL	Molecular mechanisms of remote memory extinction
23	Monika Chanu Chongtham	EPFL	Chronic social defeat stress model as a post-traumatic stress disorder model
24	Mykhailo Batiuk	EPFL	Epigenetics of Trauma At Single Cell Resolution
25	Juan Carlos Farah	EPFL	Assessing the Phenomenology of Robot-Induced Presence Hallucinations with Conversational Agents
26	Caroline Vandeleur	CHUV	Childhood psychopathology dimensions as predictors of mood disorders among offspring at high risk of mood and substance use disorders
27	Francesca Di Giacomo	CHUV	Risque et résilience chez des enfants et adolescent-e-s avec trouble de l'humeur et leurs frères et sœurs non affecté-e-s dans des familles avec un parent souffrant de trouble bipolaire
28	Beatrice Annunziata Milano	UNIGE	Network-based modeling in Substance Use Disorders
29	Edgar Celereau	CHUV / UNIL	Voxel-based analyses in High-resolution Whole-brain Magnetic Resonance Spectroscopic Imaging in youth at risk for psychosis
30	Federico Lucchetti	CHUV	The Human Metabolic Brain Connectome: Construction, Stability, Topology and Biological Interpretation
31	Marco De Pieri	HUG / UNIGE	EEG microstates correlate to the severity of negative symptoms during the acute phase of schizophrenia and predict the response to antipsychotics
32	Luigi Francesco Saccaro	HUG / UNIGE	Limbic-Sensorimotor Tug of War for the Hippocampus: Dynamic Functional Connectivity as a Transdiagnostic Vulnerability Marker in Offspring of Emotion Dysregulation Patients
33	Sara Akhavan	UNIGE	Pose Estimation Analysis of Interpersonal Motor Synchrony in Autism during Freeplay
34	Nada Kojovic	UNIGE	Spontaneous Functional Connectivity in Subcortical Attentional Networks Driving Social Behaviors and Developmental Outcomes in Autism
35	Halima Rafi	EPFL	Striatal Dynamic Functional Connectivity and Apathy in Parkinson's Disease: A $\mu$ CAPs Approach
36	Mariia Kaliuzhna	UNIGE	Reward and effort sensitivity during decision-making in schizophrenia
37	David Mallet	EPFL	Urolithin A reverses anxiety and rescues the associated mitochondrial transcriptomic signature and synaptic function
38	Iva Cantando	UNIL	Mitochondrial dysfunctions in 22q11 deletion syndrome: a novel target for therapeutic intervention