

Poster Session I (10:50-11.50) Schedule:

Board Number	Abstract	Surname	Name
1	Generation of familial ALS organoid models and OPN-MMP-9 pathway characterization in motoneurons	Viola	Camilla
2	Unravelling the contribution of mitochondrial SMN1-anticorrelated genes in determining early symptomatic glycinergic system alterations in a mouse model of Spinal Muscular Atrophy	Caretto	Anna
3	Role of Sigma-1 receptor (Sig-1R) as a key protein modulating the interplay among Ca ²⁺ organelles in Amyotrophic Lateral Sclerosis (ALS) preclinical models	Ciancio	Raffaella
4	KIF5A, a protein involved in axonal transport, represents a new druggable target in a mouse model of spinal muscular atrophy	Kolici	Xhesika
5	SMN deficiency disrupts the homeostasis of amino acids acting on Glutamatergic neurotransmission in Spinal Muscular Atrophy	Hassan	Amber
6	Cortical and spinal organoids to build the corticospinal tract	Zanelli	Alessio
7	Investigating Siah2-E3 ligase activation and Mitochondrial Dysfunction in familial and sporadic models of Parkinson's disease	D'Apolito	Elena
8	Targeting the small GTPase RIT2 in Parkinson's Disease	Silvestri	Erica
9	Involvement of KV3.4 channels in different vulnerability of midbrain and striatum during pd progression	Magliocca	Giorgia
10	Monothio-pomalidomide (MT-POM) as a drug strategy in an alpha-synuclein-based model of Parkinson's disease	Aminzadeh	Khosro
11	Blood D-serine levels correlate with Frailty-Related Cognitive Decline and Parkinson's disease	Yahyavi	Isar
12	Encapsulated cell biodelivery of progranulin and prosaposin as a therapeutic strategy in preclinical models of Parkinson's disease	Bertasini	Chiara
13	Neurotoxic Effects of Environmental Pharmaceuticals and Pesticides: Insights from Zebrafish Exposure Studies	Grisotto	Jacopo
14	Mitochondrial oxidoreductive state in cellular models of sporadic and familial forms of Parkinson's disease: new pharmacological perspectives	Castellano	Lorenzo
15	Characterization of microglial responses in the motor cortex of a 6-OHDA model of Parkinson's disease	Coulomb	E'léa
16	Neural markers of age-related differences in attentional control during search	Rota	Milena
17	Improving glutamate metabolism to simultaneously address energetic failure and cell dysfunctions in Alzheimer's Disease	Serfilippi	Tiziano
18	Enhancing sleep via rocking ameliorates motor behavior and reduces beta-amyloid levels in a mouse model of Alzheimer's disease	Santoni	Letizia
19	Impairment of gustatory processing in a mouse model of Alzheimer's disease	Mastio	Andrea

20	Identification of prodromal biomarkers of Alzheimer's disease in 5XFAD mice: focus on brain-derived extracellular vesicle content.	Piemontese	Monica
21	Investigating the effects of terpenes on Alzheimer's Disease: an in vitro research	Dallere	Sveva
22	Correlation analysis of TNF- α , β Amyloid-42 and phospholipids in plasma of healthy individuals or affected by subjective cognitive impairment, mild cognitive impairment and Alzheimer's disease.	Serafini	Sara
23	Neuroglobin and cholesterol metabolism: are they linked?	Caputo	Sara
24	Morphological alterations in Lafora disease: an ultrastructural analysis using SBF-SEM	Chiappini	Vanessa
25	Identification of Sex-specific autophagy enhancers for dementia	Mongiardi	Brunella
26	Short chain fatty acids as key mediators in counteracting hypoxia dependent stress in neuronal cells	Grasselli	Francesco M.
27	Repetitive compression of dorsal root ganglia neurons	Coppini	Allegra
28	Targeting Citron Kinase catalytic activity for high grade brain tumors treatment	Ferraro	Alessia
29	Exploring Neuron-Tumor Crosstalk Using In Vitro Models: Co-Culture Systems and Morphological Analysis	Nicorvo	Ersilia
30	Impact of Conventional and FLASH Radiotherapy on glioma murine model.	De Santis	Elisa
31	Bortezomib-induced mitochondrial dysfunction in Schwann cells: a novel perspective on chemotherapy-induced peripheral neuropathy	Tonelli	Elisa
32	Sex-dependent hippocampal dendrite remodeling in a model of traumatic stress susceptibility/resilience	Giovenzana	Mattia
33	Dissecting the molecular function of KLHL17 in the pathophysiology of West Syndrome	Raya	Ibrahim
34	RNF10 role as ubiquitin-ligase in neuronal cells	Gomez-blanco	Jose Ignacio
35	Reawakening the Aging Brain: the impact of rTMS on cognitive function and mood	Di Fazio	Chiara
36	The Astrocytic Impact on Parkinson's disease: Unravelling Disease-Related Mechanisms	Tufano	Michele
37	Impact of Perinatal Stroke on Motor and Cognitive Functions in a Mouse Model	Cuboni	Gianmarco
38	Evaluation of the role of remote ischemic postconditioning on glymphatic system	Licastro	Ester
39	The Role of Physical Exercise In Modulating Neuroinflammation And Promoting Neurogenesis After Ischemic Stroke	Viscardi	Viviana
40	Dopamine D2 and oxytocin receptor heteromerization: allosteric modulation and glutamate release form adult rat striatal astrocytes	Farsetti	Elisa
41	CDKL5 regulates the initiation of retrograde axonal transport through CLIP170-dynactin complex formation	Baldin	Serena
42	Functional characterization of the INSN1-CDKL5 interaction for dystrophin/dystroglycan complex dependent inhibitory synapse formation	Valetti	Giorgia

43	Functional implications of SZT2 variants associated with developmental and epileptic encephalopathy-18: study in primary patient-derived skin fibroblasts	Stefan	Arianna
44	Hyperventilation-induced slow-wave activity in epileptic patients: an intracerebral study	Valenziano	Serena
45	Neuroprotective effects of a new rhBDNF formulation against cochlear damage in a model of cisplatin-induced hearing loss	Mohamed Hizam	Veronica
46	Evaluation of the otoprotective effects of an antioxidant and anti-inflammatory compound in preventing styrene-induced auditory toxicity	Hassler	Brenda
47	Developing an in vitro model to unveil IMPG2's role in Retinitis Pigmentosa	Dori	Sara
48	Proteasome inhibitors-based chemotherapy-induced neurotoxicity: mitochondrial, calcium signalling and cytoskeleton alterations	Delconti	Marta
49	Importin alpha3 controls age-dependent axonal branching by modulating ribosomal protein expression	Dotta	Sofia
50	A comparison of visuomotor paired associative stimulation and action observation in driving human motor cortex plasticity	Ferrari	Laura
51	Word Frequency Is a Cue to Word Order for Adults: Validating an Online Method with Speakers of Italian and Turkish for More Inclusive Psycholinguistic Testing	Aydin	Zeynep

Poster Session II (16:20-17.20) Schedule:

Board Number	Abstract	Surname	Name
1	Neuro-immune interactions in the basal ganglia network: Interleukin-17 as a critical modulator of striatal synaptic plasticity	Canonichesi	Jacopo
2	Sex-specific motor and behavioural parameters for early stratification of ALS progression in SOD1(G93A) mice.	Monaco	Martina
3	Unbiased directionality of microsaccades during motor planning	Brandolani	Riccardo
4	From instruction to action: a fine-grained spatio-temporal picture of action preparation	Del Sorbo	Simone
5	The impact of 'motor distance' on action understanding: how motor similarities guide our comprehension of others	Maronati	Camilla
6	Sex-Dependent Behavioral Effects of Ketamine in a Mouse Model of Chronic Restraint Stress	Nicosia	Noemi
7	The microscopic organization of movement control: the search for an individual fingerprint	Gabelli	Cecilia
8	Behavioural impact of Hand Movements on Audio-Tactile Integration and Peri-Hand and Peri-Personal Space	Lamia	Piero
9	Assessing the Feasibility of Meta Quest Pro in VR-Based Facial Emotion Recognition: A Pilot Validation Study for Future Research	Zahid	Muhammad Noman
10	Impact of Repetitive Transcranial Magnetic Stimulation on Cognitive, Symptomatic, and BDNF Outcomes in Treatment-Resistant Depression	Ginelli	Enrico
11	Sign-tracking and goal-tracking behaviour in evaluative learning paradigms: a neurocognitive study	Poletto	Cristian
12	Operant learning tasks (visual and tactile exploration behavior) in <i>Octopus vulgaris</i>	Cirillo	Emanuela
13	Set-up of a mouse model of stress-induced migraine: effects of sex and age.	Pola	Pietro
14	The mu-opioid receptors in the ventral tegmental area contribute to the high heroin preference shown by Marchigian Sardinian alcohol preferring rats	Mrizak	Hela
15	Effect of concurrent activation of nociceptin NOP receptor and blockade of classical opioid receptors on alcohol drinking in genetically-selected alcohol preferring rats	Crook	Caitlin
16	Effect of Neuropeptide S on a GoStop/StopGo Model of Impulsivity in Wistar and Msp Rats	Li	Min
17	Alterations induced by morphine and methadone in the neuroinflammatory processes and tolerance in male and female rats	Lacorte	Antonio
18	Salivary non-invasive epigenetic biomarkers to monitor eating behaviours and possible development of eating disorders	Gilardini	Federica
19	The biological effects of "green-therapy" on MDD patients	Pavarino	Gianna
20	Altered GSK3 and prefrontal cortex activity in a mouse model of depression	Rominto	Anita Maria

21	De novo missense variant in DNA-binding homeobox domain of ADNP causes a syndromic form of autism spectrum disorders	Benvenuto	Mario
22	Validation of a preclinical model of neurodevelopmental disorders based on exposure to adverse environmental factors	Di Trapano	Melania
23	Altered glial activation in a rat model of Fragile X Syndrome	Feo	Alessandro
24	Investigating social touch and peripersonal space in autistic adults via self-report, behavioral and physiological measures in an immersive virtual reality environment	Giometti	Anna
25	Enhancing language modulation in Children with Autism Spectrum Disorder using a device combining prism adaptation and serious games	Catania	Angela
26	Role of Neuregulin 1 in the early-life immune activation mouse model of Autism Spectrum Disorders: focus on gut brain axis	Marino	Maria Ilaria
27	Modeling emotional chills through psychophysiological signals	Domenici	Veronica
28	Children and adolescents performing Lokomat® rehabilitation: combining self-evaluation and bio-signals processing to investigate patient experience	Chiappini	Mattia
29	Predictive role of Neural Marker Expression in Ovine Achilles Tendon Regeneration: spontaneous healing vs AECs transplantation	Festinese	Valeria Giovanna
30	Investigating Light-Induced Retinal Damage and Regeneration in Zebrafish: The Role of Oxidative Stress	Ignacio	Babiloni- chust
31	Early dysregulation of endosomal pathway in down syndrome: potential impact in neuropathogenesis	Ruocco	Alessandro
32	Assessing growth and neurogenic potential of adult hippocampal neural stem cells isolated from a knock-in mouse model, expressing the autism-associated mutation R451C Nlgn3	Salvadori	Francesco
33	Complement modulates glutamate release and contributes to synaptic impairments in a mouse model of multiple sclerosis	Rosenwasser	Nicole
34	Re-emergence of T lymphocytes-mediated synaptopathy in progressive multiple sclerosis	Palmerio	Federica
35	Orexinergic System in Multiple Sclerosis: A Study of Cerebrospinal Fluid Orexin Levels	Argentino	Francesca
36	Exploring the role of catecholamines in the control of neuronal dysfunction in Multiple Sclerosis	Tartacca	Alice
37	Pharmacological stimulation of autophagy to rescue proteinopathy and cognitive decline in lysosomal storage disorders	Somma	Cristina
38	SARS CoV2 S1 Spike subunit induces neuronal death in SHSY-5Y cells and cortical neurons via the activation of NRP1/HDAC4/CREB/RIPK1 axis	Ruggiero	Silvia
39	SARS-CoV-2 and neurological disorders: an in vitro study using different cellular systems	Cristani	Marco
40	Developing human brain models to investigate early signs of frontotemporal dementia	Ferrero	Clelia

41	Two-photon immunofluorescence imaging to investigate the morphological properties of hippocampal neurons	Coluccio	Giada
42	Beyond the screen: how virtual reality is transforming mental health therapy	Giuliano	Giorgio
43	Expansion-assisted light-sheet microscopy: Illuminating Neural Circuits in Aversive Memory	Imbimbo	Elisa
44	How Many Short-Term Memories Become Long-Term? Unveiling the Answer through the Study of Sex Differences	Cavezza	Diletta
45	Stress effects on fear memory extinction: The crosstalk between Amygdala and Entorhinal Cortex	Mariani	Federica
46	Altered PFC-DRN circuit and serotonergic system dysfunction parallels cognitive deficits in the 3xTg-AD mouse model of Alzheimer's disease	Pigozzi	Alessandro
47	Unveiling the neuronal substrate of MEP facilitation by action observation: insights from transcranial magnetic stimulation in non-human primates	Mancuso	Antonella
48	The use of preclinical imaging as a tool for the morphological and functional evaluation of Genetically Modified Mouse Models for D-Aspartate Oxidase	Truppa	Maria Elena
49	Efficient Dual-View Fusion for High-Resolution Isotropic Imaging in Light-Sheet Fluorescence Microscopy	Bradley	Samuel
50	An overview on zebrafish in the neuroscience imaging	Silvestrini	Tommaso
51	An efficient raw pixel approach for machine learning-based annotation of novel object recognition videos	Sonsini	Gregorio