National Meeting of PhD Students in Neuroscience

June 11, 2022

Brescia

Aula Magna – Facoltà di Medicina
Università degli Studi di Brescia
Viale Europa 11, 25123, Brescia

Noldus
8:00-8:15 Introduction to the Meeting by Organizers and SINS
President Prof. Alessandro Vercelli

8:15-9:45 Oral Presentations: 1st SESSION
Chairman: Buonincontri V., University of Campania
Parente M., University Roma Tre

8:15-8:30 Primary sensory cortices of a mouse model of CDKL5 deficiency disorder show atypical myelination
Devi S.
University of Torino

8:30-8:45 Characterization of the extracellular vesicles released by astrocytes cultured from the spinal cord of 120-day-old SOD1G93A mice
Zerbo A.
University of Genova

8:45-9:00 Is alpha-synuclein a foe for brain recovery after ischemic stroke?
Bogale T.A.
University of Brescia

9:00-9:15 Targeting the endocannabinoid and melatonergic systems to provide neuroprotection against the neuroinflammatory damage
Cammarota M.
University of Napoli Federico II

9:15-9:30 Somatosensory processing deficits and altered connectivity in Cntnap2 -/- and Shank3b -/- mouse models of autism spectrum disorder.
Balasco L.
University of Trento

9:30-9:45 Alterations in extracellular spaces thickness and dopaminergic activity in CKD mice models
De Donato A.
University of Campania

9:45-10:30 Lecture: Dr. Solaiman Shokur, EPFL, Geneva, Switzerland
“"A modular strategy for next-generation upper-limb sensory-motor neuroprostheses”"
Chair: Prof. Viviana Trezza

10:30-10:45 Break
10:45-12:25 Short Oral Presentations
Chairman: Nappi M., University of Napoli
Preziuso A., University Politecnica delle Marche

10:45-10:55 Semaphorin-3A drives axonal growth cone elongation during neuronal development in human neural progenitors
Ferretti G.
University of Napoli Federico II

De Matteis G.
University of Piemonte Orientale

11:05-11:15 In vivo neurotrasmitter deficits in genetic frontotemporal dementia. a genfi study
Pengo M.
University of Brescia

11:15-11:25 Engineering LIM kinase 1 to control dendritic spine plasticity
Sollazzo R.
IRCCS Policlinico Universitario A. Gemelli

11:25-11:35 Rescuing neural cell survival and maturation in a primary autosomal recessive microcephaly-17 (MCPH17) mouse model: effects of the postnatal N-acetyl cysteine treatment
Khaustkhodaei Ardakani M.
University of Torino

11:35-11:45 The acute effects of intrusive thinking on neurotransmission within anterior cingulate cortex in pathological and non-pathological worriers: A 1H magnetic resonance spectroscopy and ecological momentary assessment study
Schettino M.
Sapienza University of Rome

11:45-11:55 Insights into the neurodegenerative mechanisms associated with KIF1A mutations
Cozzi M.
University of Milano

11:55-12:05 Synaptic targets of KLVFF: the impact on the neurotransmitters release
Trebesova H.
University of Genova

12:05-12:15 Insights into Frontotemporal Dementia pathogenesis: the role of anti-GluA3 antibodies
Italia M.
University of Milano

12:15-12:25 Long-term effect after intravenous self-administration (IVSA) of the synthetic cannabinoid receptor agonist SF-MDB-PICA in adolescent mice
Caria F.
University of Cagliari

12:25-14:15 Poster session and Lunch
Posters evaluated by the members of the SINS Board

14:15-15:00 Lecture: Prof. Alessandro Vercelli, SINS President
“Of life and death of neurons”
Chair: Prof. Marina Pizzi
15:00-15:15  Cognitive decline induced by intracerebral infusion of human-alpha synuclein oligomers is associated with altered neuronal firing in cingulate cortical neurons.
   **Palmas F.**
   University of Cagliari, Italy

15:15-15:30  SARS-COV2’s tropism in neurons and glia impairs neuronal networks activity: an in vitro study on rat cortical cells
   **Manzati M.**
   International School for Advanced Studies (SISSA)

15:30-15:45  Mitochondrial alterations in subjects with idiopathic REM sleep disorders as a predictive biomarker for conversion to Parkinson’s disease
   **Ongari G.**
   IRCCS Mondino Foundation

15:45-16:00  Extracellular vesicles cooperate with PQC system for the clearance of TDP-43 species associated with ALS and FTD
   **Casarotto E.**
   University of Milano

16:00-16:15  Evidence of vestibular contributions to visuospatial attention in patients with vestibular disorders
   **Gammeri R.**
   University of Torino

16:15-16:30  Improved synapsins phosphorylation and alpha-synuclein nitration occur in concert in experimental models of Parkinson’s disease
   **Brembati V.**
   University of Brescia

16:30-16:45  Beyond retigabine: design, synthesis, and pharmacological characterization of a potent and chemically-stable neuronal Kv7 channels activator with anticonvulsant activity
   **Carotenuto L.**
   University of Napoli Federico II

16:45-17:00  Functional effects of a new dual adenosine A2A/A2B receptor antagonist on CA1 hippocampal synaptic plasticity or during oxygen glucose deprivation
   **Venturini M.**
   University of Firenze

17:00-17:15  Dissecting the neural bases behind observational learning of complex social behaviors
   **La Greca F.**
   University of Milano

17.15 – 17.45 Poster Awards, Conclusions and Final Remarks