"New Perspectives in Neuroscience: Research Results of Young Italian Neuroscientists"

National Meeting of PhD Students in Neuroscience
Naples February 24th, 2017

Congress Center of "Federico II" University of Naples
Aula Magna Partenope
Via Partenope 36, Naples
PROGRAM

8.30 – 8.45  Introduction to the Meeting by Organizers and SINS President

8.45 – 9.30  Prof. Fiorenzo Conti, Università Politecnica delle Marche “Synaptic Heterogeneity”
Chairman: Moroni F.

9.30 – 11.15  Oral Presentations: 1st SESSION

Chairmen: Fattore L – Pisani A

09.30 - 09.45  Role of Prefrontal and Primary auditory cortex in discriminating harmful and neutral stimuli: how past emotive experiences influence behavioral choices
Concina G.
Laboratory of Behavioral Neurophysiology, Department of Neuroscience, Turin.

09.45 - 10.00 Learning related increase in variability in the macaque prefrontal cortex
Ferrucci L.
Department of Physiology and Pharmacology, Sapienza University of Rome, Rome.

10.00 - 10.15  Sleep, epigenetic processes and neuronal activity in timing tasks
Cosentini I.
Neuroscience and Brain Technologies Department, Istituto Italiano di Tecnologia, Genova.

10.15 - 10.30 Role of the area postrema in the hypophagic effects of oleoylethanolamide
Gallelli C.A.
Department of Physiology and Pharmacology “V. Erspamer”, Sapienza University of Rome.

10.30 - 10.45 Dysregulation of cortical neuron DNA methylation profile in autism spectrum disorder
Autism-like behavioral symptoms are associated to striatal dopamine system dysregulation in Mucopolysaccharidosis type III-A

De Risi M.
Telethon Institute of Genetics and Medicine (TIGEM), Pozzuoli, Naples, PhD School in Behavioral Neuroscience University of Rome “La Sapienza”, Rome.

Reading multiple word-nonword displays yields larger reading deficits in children with dyslexia

Conforti S.
Department of Psychology, Sapienza University of Rome, Rome.

Break

Oral Presentations: 2nd SESSION

Transcriptional and epigenetic regulations of the cerebral sodium/calcium exchanger isoform 2 (NCX2) gene in rat pheochromocytoma cells

Serani A.
Division of Pharmacology, Department of Neuroscience, Reproductive and Dentistry Science, School of Medicine, University of Naples “Federico II”.

Effects of D-Aspartate on oligodendrocytes during differentiation, demyelination and remyelination processes

De Rosa V.
Division of Pharmacology, Department of Neuroscience, Reproductive and Dentistry Sciences, School of Medicine, Federico II University of Naples.

Microglia-derived Extracellular Vesicles regulate the recruitment, proliferation and differentiation of oligodendrocyte precursor cells

Lombardi M.
IRCCS Humanitas, Rozzano, Milan.

Expression of the Glutamate Transporter GLT-1 at Inhibitory Cortical Synapses

Pugliese A.
Department of Experimental and Clinical Medicine, Section of Neuroscience and Cell Biology, Università Politecnica delle Marche, Ancona.
12.30 - 12.45  Ketamine restores changes in glutamate release, BDNF trafficking and dendrite morphology in the hippocampus of rats vulnerable to chronic mild stress
Tornese P
Dipartimento di Scienze Farmacologiche e Biomolecolari and Center of Excellence for Neurodegenerative Diseases, Università degli Studi di Milano.

12.45 – 13.00  Orexin, Endocannabinoid and Leptin interaction affects hypothalamic Tau phosphorylation
Fernandez-Rilo A.

13.00 - 13.15  3D tissue-scaffold engineered by nanomaterials: morphological and functional impacts of graphene when interfacing neuronal networks
Secomandi N.
International School for Advanced Studies (SISSA), Trieste.

13.15 - 15.15  **Poster Session and Lunch (*)**

Scientific Committee

Canzoniero – Pisani – Tagliatala
Ballerini – Formisano – Molinaro
Boscia – Cantarella
Cataldi – Pannaccione
Fattore – Pignataro – Secondo

15.15 – 17.00  **Oral Presentations: 3rd SESSION**

*Chairmen: Pedata F. – Poletti A.*

15.15 - 15.30  Targeting oxidative stress improves disease outcomes in a rat model of acquired epilepsy
Terrone G.
Dipartimento di Neuroscienze, IRCCS-Istituto di Ricerche Farmacologiche “Mario Negri”; Dipartimento di Medicina Translazionale, Sezione di Pediatria Università Federico II, Napoli.

15.30 - 15.45  IH loss of function promotes selective vulnerability of snc dopaminergic neurons differentially affecting dendritic excitability
Carbone C
Department of Neuroscience, Psychology, Drug Research and Child Health (NEUROFARBA), Section of Pharmacology and Toxicology, University of Florence.
15.45 - 16.00  Functional coupling between endoplasmic reticulum and lysosomes in intracellular Ca^{2+} handling in in vitro models of brain ischemia: possible role for the lysosomal channel Transient Receptor Potential mucolipin subfamily 1 (TRPML1)
Tedeschi V.
Division of Pharmacology, Department of Neuroscience, Reproductive and Dentistry Sciences, School of Medicine, “Federico II” University of Naples.

16.00 - 16.15  Novel therapeutic strategy for the prevention of the onset of dyskinesia in the therapy of Parkinson’s disease
Serra M.
Department of Biomedical Sciences, University of Cagliari, Cagliari.

16.15 - 16.30  Decreased TFAM expression as an early event for mitochondrial dysfunction in Alzheimer’s Disease
Rungratanawanich W.
Università degli Studi di Brescia – Dipartimento Medicina Molecolare e Traslazionale, Brescia.

16.30 - 16.45  Biochemical and pharmacological evidence for KV7.4 channels expression in neuronal mitochondria
Medoro A.
Department of Medicine and Health Sciences, University of Molise, Campobasso.

16.45 - 17.00  Valosin Containing Protein cooperates in the removal of toxic mutated-SOD-1 aggregates in neurodegenerative diseases
Ferrari V.
Dipartimento di Scienze Farmacologiche e Biomolecolari-Centre of Excellence on Neurodegenerative Diseases, Università degli Studi di Milano.

17.00 – 17.15  Break

17.15 – 18.00  Prof. Maria Chiara Carrozza
Scuola Superiore Sant’Anna, Pisa
“Le sfide per la ricerca in neuro-robotica alla soglia della IV rivoluzione industriale”

Chairman: Morelli M.

18.00 - 18.30  Poster Awards, Conclusions and Final Remarks