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Cavalieri Ottolenghi



PhD Student National Meeting in Neuroscience

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14 SEPTEMBER 2023



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Abstract selected for Poster Presentation

**Even numbers are requested to be available at their poster between
12:15 pm and 1:00 pm**

**Odd numbers are requested to be available at their poster between
1:00 pm and 1:45 pm**

The evaluation committee, who will grant the 'Best Poster Award', will be visiting and discussing the posters with their presenters only during the official session time.

AGING, NEURODEGENERATION AND ALZHEIMER'S DISEASE

001 | Orexin and its contradictory effects on brain health

Argentino, Francesca

002 | PCSK9 ablation attenuates A β pathology, neuroinflammation and cognitive dysfunctions in 5XFAD mice.

Bodria, Martina

003 | Comparative Analysis of Clock Drawing Test Performance in Alzheimer's Disease and Suspected Non-Alzheimer's Pathophysiology Patients: A Cross-Sectional Study

Cermelli, Aurora

004 | Terpenes And Alzheimer's Disease: A Preliminary In Vitro Study

Dallere, Sveva

005 | Deregulated microRNAs in Alzheimer's and Frontotemporal Dementia patients' extracellular vesicles

Di Gerlando, Rosalinda

006 | New targets and tools to investigate lipid alterations in cellular models of aging and Alzheimer's disease

Grillo, Emanuela

007 | SGLT2 inhibitors improve vitality and protect from advanced glycation end products that are involved in several organ and neuronal disorders and diseases.

Joshi, Rashmi

008 | Metabolic subtypes of PCA: a data-driven approach controlling for pathophysiology-related hypometabolism.

Licciardo, Daniele

009 | Identification of Sex-specific autophagy enhancers for dementia

Mongiardi, Brunella

010 | BET protein inhibition as a new target for Niemann-Pick type C1 disease

Parente, Martina

011 | Microglia-released extracellular vesicles counteract age-related cognitive impairment and restore microglia homeostasis in the aging brain of male and female mice

Rinaldi, Arianna

012 | A β 42 as a Biomarker of Alzheimer's Disease: Is Saliva a Viable Alternative to Cerebrospinal Fluid?

Roveta, Fausto

013 | Morphological and mitochondrial changes in murine choroid plexus epithelial cells during healthy aging

Scarpetta, Valentina

014 | Peripheral Blood Biomarkers In Alzheimer's Disease Patients

Serafini, Sara

015 | Exploring the role of NCX1 and NCX3 in an in vitro model of metabolic impairment: potential Neuroprotective Targets for Alzheimer's Disease

Serfilippi, Tiziano

016 | Novel PCSK9 inhibitors as pharmacological approach to treat Alzheimer's disease

Ugolotti, Martina

APPLICATIONS AND DEVELOPMENT OF NEUROIMAGING

017 | T2-mapping with GRAPPATINI in temporal lobe epilepsy

Bonacci, Maria Celeste

018 | Brain hypometabolism and disorganization domain as putative neuronal correlates in schizophrenia: a comparative head-to-head treatment-resistant vs. treatment-responsive schizophrenia PET study

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019 | Sex-specific autistic-like endophenotypes in a rat model of Fragile X Syndrome: role of endocannabinoid neurotransmission

Ascone, Fabrizio

020 | Effects and mechanism of action of psilocybin in a genetic rat model of autism

Buzzelli, Valeria

021 | Altered morphology of adult-born immature granule neurons and reduced synaptic inhibition in the hippocampal DG of a mouse modeling the neurodevelopmental disorder BBSOAS

Dallorto, Eleonora

022 | Mirtazapine rescues neuronal atrophy in Rett syndrome by directly binding SOS1 and triggering the MAPK/ERK pathway

Donegà, Stefano

023 | Altered glial activation in a rat model of Fragile X Syndrome

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CEREBRAL ISCHEMIA

024 | In vivo characterization of putative neuronal biomarkers for recovery in a mouse model of adult stroke

Vignozzi, Livia

COGNITION AND BEHAVIOR

025 | How can virtual-reality-based medical education interfere with empathy and social cognition?

Ali, Leila

026 | How the motor system learns threat timing

Dalbagno, Daniela

027 | Motivational cues can favor suboptimal choices

Degni, Luigi Albert Enrico

028 | How to quantify the attentional processes: a preliminary study with the Attentional Demands-Task (AD-Task).

Di Pompeo, Ilaria

029 | Neurons responsive to yawn in the monkey ventral premotor cortex

Ferretti, Elena

030 | Neuroscience and education: from the theoretical framework to the reflections on the educational consequences

Forte, Pasqualina

031 | Environmental chemical pollution: a study on pharmaceuticals and pesticides with Zebrafish

Grisotto, Jacopo

032 | Rhythmic discrimination of languages in infants with hearing loss

Lucarini, Gaia

033 | So close, so similar: the role of 'motor distance' in action understanding

Maronati, Camilla

034 | The Affordances' Role in Motor Learning: a Synthetic Theoretical Framework

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036 | Exploring CHD7/SEMA interactions to identify CHARGE syndrome pharmacological targets

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037 | Dissecting schizophrenia through patient iPSC-derived thalamic reticular nucleus neurons

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038 | Human iPSC-based cellular systems to model Autosomal dominant leukodystrophy

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039 | Widespread and continuous astrocytes activation support long-term neurogenesis in the lesioned striatum

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040 | Regenerative approaches in spinal cord injuries by organotypic and cortico-spinal assembloid models

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041 | Distribution and density of DCX-positive "immature" neurons in Beagle dogs

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042 | The Role of Maternal and Paternal Genomes In Neuronal Networks

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043 | Developing a Mouse Brain Organoid Model of Glioma Progression

Riviera, Chiara

044 | Epigenetic features in hESC-derived neuronal cells carrying the Huntington's Disease gene

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Barzasi, Marta

046 | Changes in evoked and spontaneous brain activity following focal controlled brain lesions

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048 | Physiological role of microglial diversity along the hippocampal longitudinal axis

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049 | CITK catalytic activity inhibition through Lestaurtinib leads to DNA damage, cytokinesis failure and cell death in brain tumors

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050 | Functional role of adenosine A2A and A2B receptors on potassium currents in cultured oligodendroglial cells: effects of a new multitarget adenosine A2A/A2B receptors antagonist

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051 | N-acetyl cysteine rescues cortical glial cell populations and results in functional improvements in a mouse model of primary autosomal recessive microcephaly 17 (MCPH17)

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052 | The use of animal proteins in the diet: impact on gut microbiota and glioma growth in a preclinical murine model

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055 | Cas9-based approaches for Frataxin expression reactivation in Friedreich's ataxia

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058 | Functional circuit reconstruction of transplanted striatal neurons into a rodent model of Huntington's Disease

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059 | Functional characterization of new adenosine A3 receptor antagonists during oxygen and glucose deprivation in the CA1 region of rat hippocampal slices

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061 | Mechanisms of initiation of cortical spreading depression in the mouse cerebral cortex

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Caretto, Anna

064 | A cellular model for Progressive Supranuclear Palsy from patient-derived fibroblasts to induced pluripotent stem cells

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065 | Safety and efficacy evaluation of hNSCs-intracerebroventricular transplant in SOD1G93A mice

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066 | Assessing the face validity of a mouse model of megaconial congenital muscular dystrophy: behavioral characterization of choline kinase beta (CHKB) mutant mice

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067 | STIP1 Homology And U-Box Containing Protein 1 (STUB1/CHIP) mutants as a key factor on TATA-box binding protein (TBP) behaviour in digenic spinocerebellar ataxia type 17 (SCA17-DI)

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068 | Can stressors affect ALS onset and progression? Preliminary observations

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072 | Biological and psychosocial factors of vulnerability for antenatal depression: the PRESeNT study

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073 | The impact of poverty on mental illness: Emerging evidence of a causal relationship

Marchi, Mattia

074 | Leukocyte telomere length and mitochondrial DNA copy number in treatment resistant depression and response to electroconvulsive therapy: a pilot investigation

Meloni, Anna

075 | Dopaminergic system regulation in binge eating: preclinical and clinical evidence

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076 | The biological role of “green-therapy”: a study on depressed patients

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077 | Activity-based anorexia alters neuroplastic mechanisms in the amygdala of adolescent female rats

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078 | Frontiers in treatment-resistant bipolar depression: a pilot observational study

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079 | Study of molecular mechanisms underlying Treatment-Resistant Depression using iPSCs-derived neurons

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084 | Single-cell RNA sequencing analysis to study Huntington's Disease in the developing striatum

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