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Coordinate Bancarie Tesoreria:

Intesa Sanpaolo S.p.A.

IBAN: IT43C335901600100000019615

CALL FOR ABSTRACT

Dear Member,

We are pleased to inform you that the submission of Abstracts for Poster sessions of the next SINS National Congress (Torino, September 14-17, 2023) is now open.

We are planning to dedicate an extended time and a prominent position in the program to posters' sessions, which have always played a fundamental role in our meetings.

We strongly encourage the submission of abstracts from young neuroscientists ('under 35' applicants): some of them (more than 50) will be selected by the Scientific Committee to be included as oral communications within the parallel symposia.

Each proposal should include the following information:

- Full name, affiliation, e-mail address of the author/s (specifying the presenting author)
- Abstract's title
- Abstract's text (max 300 words)
- Relevant topic (*see full list in Annex A*)
- Symposia for eventual oral presentation (*see full list in Annex B*)

General information:

Abstract must be submitted according to the instructions for Authors, using the Online Submission System.

The deadline for Abstract submission is ~~April 23, 2023~~ **May 8, 2023 (EXTENDED)**.

The acceptance of the proposals will be announced by ~~May 9, 2023~~ **May 31, 2023 (EXTENDED)**.

The exhibition or oral presentation of the Posters is subject to the full meeting subscription of at least one of the Authors (Presenting Author). Each Presenting Author may present only one Poster.

Assessment:

The proposals will be evaluated by the Scientific Committee. Novelty, quality, relevance and clarity of the work will be taken into consideration. Among the abstracts submitted by Under 35 applicants interested to give an oral presentation, the Scientific Committee will select those more relevant for the approved symposia.

The abstracts selected for oral presentation will be included in the official Congress Program, but will not be presented also as Posters.

For any inquiry regarding the submission process, please contact the Organizing Secretariat by email at secretariat@sinsmeeting.com

Best regards,

Alessandro Vercelli
SINS President

Ferdinando di Cunto
SINS 2023 Congress Chair



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ANNEX A

Topics of the SINS 2023 Congress

- Aging, neurodegeneration and Alzheimer's disease
- Applications and development of neuroimaging
- Artificial intelligence in neuroscience
- Autism and related disorders
- Cerebral ischemia
- Cognition and behavior
- Computational and theoretical neuroscience
- Development and stem cells
- Epilepsy and hyperexcitability
- Glial cells in physiology and pathology
- Innovative methods and technologies in neuroscience
- Mechanisms of recovery after neuronal damage
- Migraine and pain
- Mitochondriopathies
- Multiple sclerosis
- Muscle and motor neuron disorders
- Nanoscopic, microscopic, and macroscopic neuroimaging technologies
- Neurobiology of psychiatric disorders
- NeuroCOVID
- Neuroendocrinology and neuroimmunology
- Neuroinflammation
- Neuroinformatics
- Neuronal circuits, neurophysiology, and optogenetic approaches
- Neuronal excitability
- Neurorobotics
- Neurotransmission and signal transduction
- Parkinson's disease and other movement disorders
- Proteinopathies in neurodegenerative diseases
- Reward systems and drug abuse
- Sensory systems
- Sociality and emotions
- Synapses and plasticity



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ANNEX B

Symposia selected in the SINS 2023 Congress

AGING, NEURODEGENERATION AND ALZHEIMER'S DISEASE

Coding and non coding RNA in health and diseases of the Central nervous System

Chair: Stella Gagliardi, Marco Peviani

Speakers: Antonia Gurgone, Elvezia Maria Paraboschi, Cecilia Pandini

In pursuit of healthy brain aging: unveiling the biology of novel age-related mechanisms leading to dementia

Chair: Serena Stanga, Claudia Saraceno

Speakers: Serena Stanga, Livia La Barbera, Antonio Longobardi

Lipid metabolism and neurodegenerative disorders: new insights and therapeutic perspectives

Chair: Francesca Zimetti, Antonietta Vilella

Speakers: Marco Spallazzi, Laura Calabresi, Francesca Zimetti

AUTISM AND RELATED DISORDERS

Cell-to-cell communication in human and mouse models of neurodevelopmental disorders

Chair: Brambilla Riccardo, Maurizio Giustetto

Speakers: Silvia Cappello, Ilaria Morella, Maurizio Giustetto

Molecular mechanisms of autism spectrum disorders

Chair: Filippo Tempia, Antonella De Jaco

Speakers: Antonella De Jaco, Yuri Bozzi, Marilena Griguoli

Network correlates of brain dysfunction in autism: from deep phenotyping to drug discovery

Chair: Alessio Masi, *To define*

Speakers: Anna Letizia Allegra Mascaro, Alessio Masi, Alessandro Gozzi

COGNITION AND BEHAVIOR

Neural bases of peripersonal space: animal models, health and disease

Chair: Davide Albertini, *To define*

Speakers: Davide Albertini, Aoife M. Fitzpatrick, Carlotta Fossataro

Neurobiology of social interactions: integration of ecological and neurophysiological approach

Chair: Monica Maranesi, Aldo Genovesio

Speakers: Monica Maranesi, Elisabetta Palagi, Olga Dal Monte

We are what we remember: circuits and mechanisms shaping memory

Chair: Gustavo Provensi, *To define*

Speakers: Guillaume Ferreira, Giulia Concina, Alessia Costa

DEVELOPMENT AND STEM CELLS

Beyond adult neurogenesis: reservoirs of "immature" neurons for brain plasticity

Chair: Luca Bonfanti, Sebastien Couillard-Despres

Speakers: Bruno Benedetti, Ilaria Decimo, Luca Bonfanti

Building cortical circuits: one gene, one protein, one cell at the time

Chair: Giulia Quattrocchio, *To define*

Speakers: Simona Lodato, Lorenzo Cingolani, Giulia Quattrocchio

Cutting-edge approaches for the study of neurodevelopment and related disorders

Chair: Anna Maria Cariboni, Valentina Massa

Speakers: Luciano Conti, Michela Ori, Filippo Casoni

From ontogenesis to physiology and cell replacement: insight into the striatum.

Chair: Dario Besusso

Speakers: Dario Besusso, Gianvito Martino, Annalisa Buffo



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Impact of prenatal maternal adversities on the offspring developmental outcomes

Chair: Tiziana Rubino, Claudio D'Addario

Speakers: Michele Santoni, Martina Di Bartolomeo, Erica Zamberletti

EPILEPSY AND HYPEREXCITABILITY

Advanced applications of gene therapy and editing for treating neurological disorders

Chair: Vania Broccoli, Gabriele Lignani

Speakers: Gaia Colasante, Gabriele Lignani, Vasco Meneghini

Translational approaches to GRIN related disorders

Chair: Ilaria Bertocchi, Benedetto Vitiello

Speakers: Ilaria Bertocchi, Pierandrea Muglia, Johannes Lemke

GLIAL CELLS IN PHYSIOLOGY AND PATHOLOGY

Advances in understanding astrocyte biology

Chair: Laura Civiero, Nunzio Iraci

Speakers: Nunzio Iraci, Carmen Falcone, Francesco Petrelli

Cell intrinsic and extrinsic regulation of oligodendrocyte biology and re-/myelination

Chair: Marta Fumagalli, Enrica Boda

Speakers: Carlos Parras, Enrica Boda, Tiziana Bonifacino

From development to disease – how astrocyte heterogeneity sculpts the brain

Chair: Valentina Cerrato, *To define*

Speakers: Riccardo Bocchi, Valentina Cerrato, Angelisa Frasca

Glioblastoma multiforme: a better understanding for having clinically promising approaches

Chair: Alessandro Sessa, Paolo Malatesta

Speakers: Davide Ceresa, Alessandro Sessa, Francesco Bruno

Periphery-CNS miscommunication in neurodegeneration: focus on brain barriers

Chair: Annarosa Carta, Renato Bernardini

Speakers: Gabriela Constantin, Maria Teresa Viscomi, Chiara Burgaletto

Stem cells meet glial cells: human iPSC-derived glia to study myelin diseases

Chair: Martina Lorenzati, *To define*

Speakers: Martina Lorenzati, Angela Gritti, Sabah Mozafari

The role of glial cells in PNS development and pathology

Chair: Guido Cavaletti, *To define*

Speakers: Valentina Carozzi, Alessandra Bolino, Cecilia Bucci

INNOVATIVE METHODS AND TECHNOLOGIES IN NEUROSCIENCE

Individual Neurodynamics to Personalize Neuromodulations [INPerN]

Chair: Franca Tecchio, Michela Chiappalone

Speakers: Alberto Priori, Vinicius Rosa Cota, Karolina Armonaite

The importance of innovative experimental models in neuroscience research

Chair: Cristina Cereda, Stephana Carelli

Speakers: Emanuela Bottani, Alessandro Rosa, Stephana Carelli

Non-invasive stimulation of brain networks: from plasticity to functional connectivity

Chair: Maria Vittoria Podda, Cristina Spalletti

Speakers: Marco Cambiaghi, Cristina Spalletti, Fabrizio Vecchio

MECHANISMS OF RECOVERY AFTER NEURONAL DAMAGE

Emerging factors underlying nigrostriatal dopaminergic system dysfunctions in neurological disorders

Chair: Maria Josè Sisalli, Giulia Costa

Speakers: Giulia Costa, Giulia Sbrini, Irene Fasciani



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MIGRAINE AND PAIN

Spinal mechanisms of pain modulation

Chair: Francesco Ferrini, Adalberto Merighi

Speakers: Yves De Koninck, Francesco Ferrini, Rita Bardoni

MUSCLE AND MOTOR NEURON DISORDERS

Amyotrophic Lateral Sclerosis: from molecular mechanisms to clinical trial design

Chair: Giuseppe Pignataro, Angelo Poletti

Speakers: Angelo Poletti, Andrea Calvo, Jessica Mandrioli

Beyond motor neurons: skeletal muscle contribution in motor neuron diseases

Chair: Marina Boido, Riccarda Granata

Speakers: Marina Boido, Antonio Musarò, Caterina Marchioretta

Extracellular vesicles in ALS/MND: the two sides of the medal

Chair: Marco Milanese, Stephanie Duguez

Speakers: Giulia D'Arrigo, Stephanie Duguez, Matilde Balbi

Gene therapy and MNDs: from preclinical validation to clinical application

Chair: Manuela Basso, Maria Pennuto

Speakers: Adriano Chiò, Carlo Rinaldi, Stefania Corti

Translational research and therapeutic implications in MNDs

Chair: Stefania Marcuzzo, Silvia Bonanno

Speakers: Ludo Van Den Bosch, Mariarita Galbiati, Silvia Bonanno

NANOSCOPIC, MICROSCOPIC, AND MACROSCOPIC NEUROIMAGING TECHNOLOGIES

Recent advances in 3D Electron Microscopy for Neuroscience

Chair: Corrado Calì, Maura Francolini

Speakers: Christel Genoud, Luisa De Vivo, Corrado Calì

NEUROBIOLOGY OF PSYCHIATRIC DISORDERS

Capturing the complexity of social and cognitive processes

Chair: Miriam Melis, Diego Scheggia

Speakers: Miriam Melis, Elvira De Leonibus, Francesco Papaleo

Cognitive deficits in neuropsychiatric disorders: from neural networks to function.

Chair: Paolo Calabresi, Alfonso Tortorella

Speakers: Armida Mucci, Paola Fadda, Mirko Manchia

Different strategies to untangle the neurobiology of psychiatric disorders

Chair: Alessio Squassina, Patrizia Romualdi

Speakers: Cristiana Cruceanu, Alessandro Bertolino, Claudia Pisanu

From genes to environment: the GABA switch in neuropsychiatric disorders

Chair: Roberto Frau, *To define*

Speakers: Matteo Fossati, Bice Chini, Roberto Frau

Ketamine to understand the nature of rapid antidepressant action

Chair: Laura Musazzi, *To define*

Speakers: Laura Musazzi, Alessandro Barbon, Carlo Sala

Maternal stressors matter: deconstructing the neurobehavioral signature of fetal insults

Chair: Antonia Manduca, Anna Maria Tartaglione

Speakers: Sebastiano Bariselli, Gianluca Lavanco, Chiara Cipriani

Mechanisms and therapies of metabolic and neurological disorders

Chair: Silvia De Marchis, Michèle Studer

Speakers: Daniela Cota, Paolo Giacobini, Barbara Bardoni



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Novel insights on eating disorders: neurobiological mechanisms and pharmacological targets

Chair: Silvana Gaetani, Giuseppina Cantarella

Speakers: Massimo Collino, Simona Dedoni, Marzia Friuli

NEUROINFLAMMATION

Inside and outside the CNS: searching for targets in neurodegeneration

Chair: Simona Federica Spampinato, Giovanni Nardo

Speakers: Laura Tapella, Simona Federica Spampinato, Maria Chiara Trolese

Neuroimmune-driven pain chronification

Chair: Livio Luongo, Lorenzo Di Cesare Mannelli

Speakers: Stefania Ceruti, Francesca Guida, Lorenzo Di Cesare Mannelli

Neuroinflammation in the basal ganglia network: implications for neurological diseases

Chair: Andrea Mancini, *To define*

Speakers: Andrea Mancini, Maria Francesca Palmas, Federica Campanelli

Pathogenic mechanisms of autoimmune encephalitis associated with synaptic autoantibodies

Chair: Raffaele Iorio, Sara Mariotto

Speakers: Raffaele Iorio, Harald Prüss, Maria Pia Giannoccaro

NEURONAL CIRCUITS, NEUROPHYSIOLOGY, AND OPTOGENETIC APPROACHES

The distributed engram: large-scale neuronal circuits underlying fear learning and extinction

Chair: Ludovico Silvestri, Bianca A. Silva

Speakers: Bianca A. Silva, Alessandra Franceschini, Giulia Santoni

The human brain in action: from movement monitoring to execution.

Chair: Rossella Breveglieri, *To define*

Speakers: Rossella Breveglieri, Alessandro D'Ausilio, Marta Russo

Unforgettable memories: neural/molecular processes in hypermnnesia and impaired extinction

Chair: Daniela Laricchiuta, *To define*

Speakers: Valerio Santangelo, Patrizia Campolongo, Daniela Laricchiuta

PARKINSON'S DISEASE AND OTHER MOVEMENT DISORDERS

Gut-brain axis in Parkinson's Disease: from animal models to patients

Chair: Vanessa Porrini, *To define*

Speakers: Carolina Pellegrini, Vanessa Porrini, Piergiorgio Grillo

Innovative brain imaging and peripheral biomarkers of Parkinson's disease progression

Chair: Francesca Longhena, Sara Belloli

Speakers: Fabio Moda, Sara Belloli, Andrea Pilotto

Novel molecular players affecting synaptic functions in movement disorders

Chair: Gaia Faustini, Emanuele Frattini

Speakers: Gaia Faustini, Giulia Ponterio, Federica Graziola

Neuroplasticity in Parkinson's disease: from pathophysiology to therapeutic possibilities

Chair: Riccardo Di Iorio, Danilo Genovese

Speakers: Riccardo Di Iorio, Andrea Guerra, Tommaso Schirinzi

Synucleinopathy and synucleinopenia: the two faces of neurodegeneration

Chair: Graziella Cappelletti, Antonella Scorziello

Speakers: Roberto Cilia, Arianna Bellucci, Samanta Mazzetti

Walking through misfolded proteins in movement disorders

Chair: Patrizia Longone, Ezia Guatteo

Speakers: Michele Morari, Fabrizio Gardoni, Patrizia Longone



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REWARD SYSTEMS AND DRUG ABUSE

Brain vulnerability to drug abuse: from molecular mechanisms to behaviour.

Chair: Elisabetta Gerace, Guido Mannaioni

Speakers: Elisabetta Gerace, Anna Brancato, Esi Domi

Novel Psychoactive Substances toxicology: from preclinical research to human psychopathology

Chair: Luigia Trabace, Francesca Di Gaudio

Speakers: Liana Fattore, Matteo Marti, Stefania Schiavone

Sex modulates early-life social experiences effects on brain and behavior

Chair: Roberto Ciccocioppo, Nazzareno Cannella

Speakers: Lucia Caffino, Laura Rullo, Nazzareno Cannella

SENSORY SYSTEMS

Big Data in Neuroscience: large scale characterization of brain physiology

Chair: Stefano Zucca, *To define*

Speakers: Mathew Diamond, Stefano Zucca, Valentina Pasquale

Distributed sensory processing in the cortex

Chair: Maximiliano Jose Nigro, *To define*

Speakers: Maximiliano Jose Nigro, Simona Monaco, Mariangela Panniello