

Day 1 | Monday May 6th

Non ECM Sponsors' Seminars

Chairs: **Diego Centonze** (*Tor Vergata University, Rome, Italy*) & **Antonio Uccelli** (*DiNOGMI, IRCCS Ospedale San Martino, Genova, Italy*)

12:00–12:30 **Future perspectives in Multiple Sclerosis & Neurology**
Pascal Rufi (*Global Medical Lead – Pipeline Products Speciality Care, Sanofi*)

12:30–13:00 **Targeting B lymphocytes – where are we going next?**
Bernd Kieseier (*Global Program Head Neuroscience, Novartis GDD*)

13:00–14:00 *Lunch break*

14:00–14:30 **Will NfL change the future of MS care?**
Rosetta Pedotti (*Principal Global Medical Director Neuroscience, Roche*)

14:30–15:00 **Innovating strategies in Neurology Rare Diseases: inhibition of complement system**
Gino Gialdini (*Medical Director, Clinical Development, Neurology, Alexion*)

15:00–15:30 **Empowering patients through advocacy**
Sumaira Ahmed (*Founder & Executive Director of The Sumaira Foundation*)

15:30–16:00 **GJCF**

16:30–17:00 *Coffee break*

Welcome Remarks

17:00-17:15 *Local Organising Committee/AINI President*

Plenary Lecture

Chairs: **Eleonora Cocco** (*University of Cagliari, Cagliari, Italy*) & **Roberto Furlan** (*INSpe San Raffaele Scientific Institute, Milan, Italy*)

17:15-18:15 **From genes to mechanisms to therapeutic targets in Multiple Sclerosis**
Francesco Cucca (*Director Unit Clinical Genetics, Sassari University Hospital, Sassari*)

from 18:30 *Welcome Cocktail – T Hotel Cagliari*

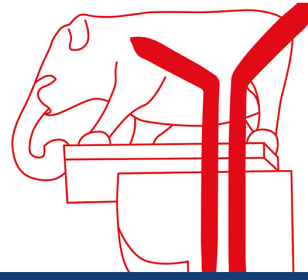
Day 2 | Tuesday May 7th

SESSION I – Cellular & Molecular Mechanisms of MS Pathology

Chairs: **Giovanna Borsellino** (*Santa Lucia Foundation IRCCS, Rome, Italy*) & **Gabriela Constantin** (*University of Verona, Verona, Italy*)

09:00-09:45 **IcosL as a novel player in the blood brain barrier function**
Ari Waisman – *University Medical Center, Mainz, Germany*

Oral presentations

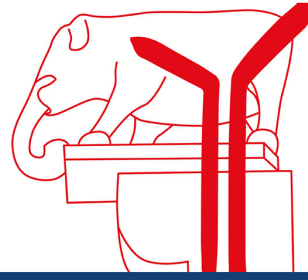


- 09:45-10:00 **EOMES+CD4+T-cell subsets in Multiple Sclerosis: Single-Cell RNA and TCR sequencing suggests a key role for CSF-infiltrating Tr1-like cells and their circulating precursors**
Jens Geginat (*INGM, Italy, DISCCO, Università degli studi Milano, Italy*)
- 10:00-10:15 **The glial-immune neurodegenerative phenotypes of multiple sclerosis: insights from glia-enriched stem-cell 3D model of the human brain**
Francesca Fagiani (*Division of Neuroscience, IRCCS San Raffaele Scientific Institute, Milan*)
- 10:15-10:30 **Diffusely abnormal white matter substantially contributes to rapid and severe multiple sclerosis progression**
Benedetta Bellini (*Neurology Section of Dept. of Neurosciences, Biomedicine and Movement Sciences, University of Verona, Italy*)
- 10:30-10:45 **B CELL METABOLIC REPROGRAM IN MULTIPLE SCLEROSIS: INSIGHTS ON BIOENERGETIC PATHWAYS AND DIFFERENTIATION STATUS**
Martina Severa (*Department of Infectious Disease, Istituto Superiore di Sanità, (Rome, Italy)*)
- 10:45-11:00 **AUTOREACTIVE T CELLS TARGET PERIPHERAL NERVES IN GUILLAIN-BARRÉ SYNDROME**
Daniela Latorre (*Institute of Microbiology, ETH Zurich, Switzerland*)
- 11:00-11:15 **Human TR3-56 cells: exploring a novel immune cell subset in Multiple Sclerosis: connection between EBV infection and disease pathogenesis**
Erica Piemonte (*Dipartimento di Medicina Molecolare e Biotecnologie Mediche, University of Naples "Federico II", Naples, Italy, Consiglio Nazionale delle Ricerche, Istituto di Endocrinologia e Oncologia Sperimentale (IEOS-CNR), Naples, Italy*)
- 11:15-11:30 *Coffee Break*

SESSION II – Autoimmune Neurology

Chairs: Carlo Antozzi (*Fondazione IRCCS Istituto Neurologico C. Besta, Milan, Italy*) & Matteo Gastaldi (*IRCCS Mondino Foundation and University of Pavia, Pavia, Italy*)

- 11:30-12:00 **Pathogenic mechanisms of Myasthenia Gravis and their impact in the development and clinical use of new target therapies**
Maria Isabel da Silva Leite (*University of Oxford, Oxford, UK*)
- 12:00-12:30 **Autoimmune encephalitis: from symptoms to pathogenic mechanisms**
Marianna Spatola (*Fundació Clínic per la Recerca Biomèdica - IDIBAPS Research Institute, Barcelona, Spain*)
- Oral presentations
- 12:30-12:45 **Immune-mediated necrotizing myopathies: clinical-serological features and treatment outcome of a large Italian Cohort of patients**
Silvia Bonanno (*Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy*)
- 12:45-13:00 **Assessment of severity and evolution of anti-IgLON5 disease by the anti-IgLON5 composite score (ICS): french Cohort study**
Antonio Farina (*French Reference Center on Paraneoplastic Neurological Syndromes and Autoimmune Encephalitis, Hospices Civils de Lyon, Hôpital Neurologique*)



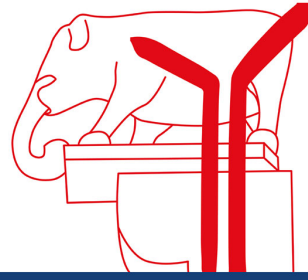
- 13:00-13:15 **Inhibition of the neonatal Fc receptor in non-AChR myasthenia gravis**
Carlo Antozzi (*Neuroimmunology and Muscle Pathology Unit, Fondazione IRCCS Istituto Neurologico C. Besta, Milan, Italy*)
- 13:15-13:30 **Autoantibodies against synaptic neuronal antigens and psychosis: prognostic factors for the diagnosis of autoimmune encephalitis in patients with psychotic spectrum disorders. A multicenter prospective cohort study**
Matteo Scucchi (*Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy*)
- 13:30-13:45 **UNRESPONSIVENESS TO IMMUNOSUPPRESSIVE DRUGS IS RELATED TO NON-CODING RNAs MODULATING CELL PROLIFERATION IN MYASTHENIA GRAVIS PATIENTS: IMPLICATIONS FOR PERSONALIZED MEDICINE**
Nicola Iacomino (*Neurology 4 – Neuroimmunology and Neuromuscular Diseases Unit, Fondazione IRCCS Istituto Neurologico Carlo Besta, Italy*)
- 13:30-14:30 *Lunch Break*

Session III – Genetic, Epigenetic & Molecular Mechanism of Neuroinflammation

Chairs: Jessica Frau (*Centro Sclerosi Multipla ASL Cagliari, Cagliari, Italy*) & Giovanni Ristori (*Azienda Ospedaliero-Universitaria Sant'Andrea, Rome, Italy*)

- 14:30-15:15 **Applied epigenomics: insights into the pathogenesis of Multiple Sclerosis**
Maja Jagodic (*Karolinska Institutet, Stockholm, Sweden*)
- Oral presentations
- 15:15-15:30 **Interaction between miR-142-3p and BDNF Val/Met polymorphism regulates multiple sclerosis severity**
Ettore Dolcetti (*Neurology Unit, IRCCS Neuromed*)
- 15:30-15:45 **Interleukin-9 regulates astrocytes-microglia axis in neuroinflammation**
Miriam Cinotti (*Molecular Neuroimmunology Unit, IRCCS Fondazione Santa Lucia, Rome, Italy*)
- 15:45-16:00 **Circulating microRNAs signature of multiple sclerosis subjects treated with dimethylfumarate (DMF)**
Fortunata Carbone (*Istituto per l'Endocrinologia e l'Oncologia Sperimentale, Consiglio Nazionale delle Ricerche, Napoli, Italy, Unità di Neuroimmunologia, IRCCS - Fondazione Santa Lucia, Roma, Italy*)
- 16:00-16:15 **SHARED GENETIC RISK FACTORS BETWEEN MULTIPLE SCLEROSIS AND RELATED COMORBIDITIES**
Ignazio Roberto Zarbo (*Unit of Neurology, AOU Sassari, Italy, Department of Medicine, Surgery and Pharmacy, University of Sassari, Italy*)
- 16:15-16:30 **Human Regulatory T cell-derived Extracellular Vesicles in the control of immune tolerance**
Giusy De Rosa (*Treg Cell Lab, Dipartimento di Medicina Molecolare e Biotecnologie Mediche, Università di Napoli "Federico II"*)
- 16:30-17:00 *Coffee Break*

SESSION IV – Visualizing Neurodegeneration



Chairs: Matilde Inglese (*DiNOGMI University of Genoa, Genoa, Italy*) & **Lorena Lorefice** (*University of Cagliari, Cagliari, Italy*)

17:00-17:30 **Pet in Multiple Sclerosis**

Benedetta Bodini (*Sorbonne Université, Paris Brain Institute ICM, CNRS, Inserm, Paris, France*)

Oral Presentations

17:30-17:45 **Deep sulcal inflammation drives local cortical atrophy: a self-sustained loop of neurodegeneration in multiple sclerosis**

Andrea Lazzarotto (*Sorbonne Université, Paris Brain Institute, CNRS, Inserm, 75013 Paris, France, AP-HP, Hôpital Universitaire Pitié-Salpêtrière*)

17:45-18:00 **A mass imaging analysis of thymic neuroimmune interactions in experimental autoimmune encephalomyelitis**

Maria Cristina Mariani (*DINOgMI, University of Genoa*)

Poster Session I

Chairs: Rosella Mechelli (*IRCCS San Raffaele, Rome, Italy*) & **Martina Severa** (*Istituto Superiore di Sanità, Rome, Italy*) & **Claudio Procaccini** (*IEOS-CNR, Naples, Italy*)

18:00-19:00 Cellular & Molecular Mechanisms of MS Pathology

Neurofilaments heavy chains (NfH) as potential biomarker of neurodegeneration in progressive multiple sclerosis Elena Barusolo (*Department of Neurosciences, Biomedicine and Movement Science, University of Verona, Verona, Italy*)

Systemic inflammation biomarkers in Multiple Sclerosis as potential indicators of underlying inflammatory process

Davide Mele (*Department of Advanced Medical and Surgical Sciences, University of Campania "Luigi Vanvitelli", Naples, Italy, AOU LUIGI VANVITELLI, Napoli, Italia*)

IMMUNE-NERVOUS SYSTEM INTERPLAY IN MULTIPLE SCLEROSIS: UNDERSTANDING THE ROLE OF CATECHOLAMINES IN THE CONTROL OF NEURONAL AND IMMUNE DYSFUNCTIONS

Valentina Casella (*Laboratorio di Neuroscienze Sperimentali, IRCCS Ospedale Policlinico San Martino, Genoa, Italy*)

Effects of the BTK on EBV-host interactions in Multiple Sclerosis

Yuanyuan Zou (*Dipartimento NESMOS, Università La Sapienza Roma, Roma, Italy*)

Possible association between icHHV6 and multiple sclerosis

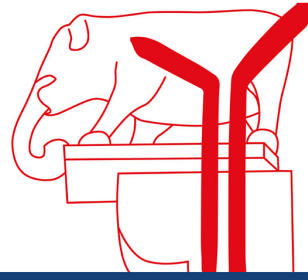
Roberta Patania

Microglia: when location matters

Martina Absinta (*IRCCS San Raffaele Scientific Institute, Milan*)

Exploring the role of EBV in MS pathogenesis through EBV interactome

Chiara Ballerini (*Department of Neurosciences, Psychology, Drug Research and Child Health (NEUROFARBA), University of Florence, Florence, Italy*)



Combined neuropathology and in situ gene sequencing characterization of meningeal inflammation in progressive multiple sclerosis: evidence of EBV-linked B cell expansion

Marina Mastantuono (*Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona, Italy*)

Kappa index and long-term prognosis in multiple sclerosis: is it useful?

Giulia De Napoli (*Department of Biomedical, Metabolic and Neurosciences, University of Modena and Reggio Emilia, Modena, Italy*)

Characterization of Immune Response to COVID-19 Vaccination in Multiple Sclerosis Patients on Cladribine Treatment

Vincenzo Di Marino (*Treg Cell Lab, Dipartimento di Medicina Molecolare e Biotecnologie Mediche, Università degli Studi di Napoli "Federico II", Napoli, Italy*)

S1P RECEPTOR MODULATORS SUPPORT PARTIAL PROTECTION FROM ASTROCYTE-INDUCED NEURODEGENERATION AND COPPER-DEPENDENT DEMYELINATION

Emanuela Colombo (*Institute of Experimental Neurology (INSpe), Division of Neuroscience, IRCCS San Raffaele Hospital, Milan, Italy*)

Autoimmune Neurology

Post-Infectious immunological response and neurologic change

Isaac Melamed

Cognitive teleRehabilitation in patients with Encephalitis of AutoIMMune etiology: CoRe-AIM study

Ruggero Barnabei (*Department of Brain and Behavioral Sciences, University of Pavia, Pavia, Italy*)

Epstein-Barr virus-specific antibodies in MOGAD adult patients

Giorgia Teresa Maniscalco (*Neurological Clinic and Stroke Unit, "A. Cardarelli" Hospital, Naples, Italy, Multiple Sclerosis and Neuroimmunology Center, "A. Cardarelli" Hospital, Naples, Italy*)

Anti-NF155, CNTN1, CASPR1 antibodies: Optimization and comparison of laboratory methods and correlation with clinical phenotype

Emanuela Maria Mobilia (*Autoimmunity Laboratory, IRCCS Ospedale Policlinico San Martino, Genoa, Italy*)

Multifactorial contributors to immunomodulation: a case of pediatric LGI1 and CASPR2-related Morvan syndrome following mercury exposure

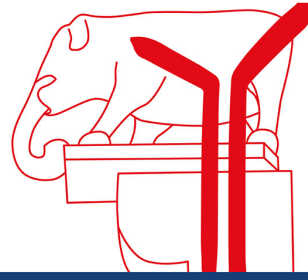
Anna Mercante (*Paediatric Neurology and Neurophysiology Unit, Department of Women's and Children's Health, University Hospital of Padova, Padova, Italy, Department of Biomedical and Neuromotor Sciences, University of Bologna, Bologna, Italy*)

Unveiling novel B cell signatures in myasthenia gravis through deep single-cell phenotyping

Jacopo Morroni (*Fondazione Policlinico Universitario "A. Gemelli" IRCCS, Rome (RM), Italy*)

Frequency of LRP4 antibodies in a consecutive Cohort of suspected myasthenia gravis patients

Antonio Malvaso (*IRCCS Mondino Foundation, Neuroimmunology Research Lab, Italy*)



CLINICAL SEVERITY DIFFERENCES IN SUBGROUPS OF PATIENTS WITH MYASTHENIA GRAVIS ACCORDING TO MG ADL SCORE

Giulia Greco (*Neuromuscular Diseases Unit, Policlinico e Università degli studi di Roma Tor Vergata, Italy*)

B CELL-RELATED GENE VARIANTS AS BIOMAKERS TO PREDICT INDIVIDUAL RESPONSE TO IMMUNOSUPPRESSIVE THERAPIES IN MYASTHENIA GRAVIS: TOWARDS PERSONALIZED MEDICINE

Maria Cristina Tarasco (*Neurology 4 – Neuroimmunology And Neuromuscular Diseases Unit, Fondazione IRCCS Istituto Neurologico Carlo Besta, Milan, Italy, Milan (MI), Italy, School of Medicine and Surgery, University of Milano-Bicocca, Monza (MB), Italy*)

NEURAL AND NEUROMUSCULAR ANTIBODY PROFILE IN PATIENTS WITH LUNG CANCER TREATED WITH IMMUNE CHECKPOINT INHIBITORS

Ebe Schiavo (*Department of Neurosciences, Psychology, Drug Research and Child Health, University of Florence, Florence, Italy*)

DIAGNOSTIC PERFORMANCE OF ELISA AND FIXED-CBA IN MYASTHENIA GRAVIS

Lucrezia Serra (*IRCCS Istituto delle Scienze Neurologiche di Bologna, Italy*)

INVESTIGATION OF ONCONEURONALS ANTIBODIES IN SFN: IS THERE A POINT?

Ilaria Gligora (*IRCCS Istituto delle Scienze Neurologiche di Bologna*)

Genetic, epigenetic & Molecular Mechanism of Neuroinflammation

Cytokines and miRNA expression in response to anti-CD20 in multiple sclerosis and experimental autoimmune encephalomyelitis

Roberta Amoriello (*Department of Clinical and Experimental Medicine (DMSC), University of Florence, Italy*)

Post pandemic characterisation of TCR repertoire in patients with MS

Olfra Maghrebi (*Laboratory of Neuroimmunology, Department of Experimental and Clinical Medicine, University of Florence, Florence, Italy*)

Folate metabolism in Multiple Sclerosis: insights from gene expression and MTHFR gene variants analysis

Gianmarco Abbadessa (*Department of Advanced Medical and Surgical Sciences, University of Campania Luigi Vanvitelli, Naples, Italy, Department of Brain Sciences, Imperial College London, London, UK*)

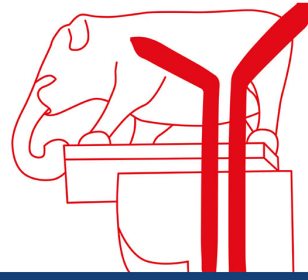
EXPRESSIONS OF CIRCADIAN CLOCK RELATED GENES ARE DOSE-DEPENDENTLY SUPPRESSED BY AMYLOID-BETA IN A CELL MODEL RELEVANT TO NEUROINFLAMMATION

Xuanyu Huang (*Department of Neuroscience, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy, Department of Medicine, University of Verona, Verona, Italy, Research Institute for Medicines (iMed.Ulisboa), Faculty of Pharmacy, University of Lisbon, Lisbon, Portugal*)

Visualizing Neurodegeneration

Biosensing in human neurodegenerative processes in vitro: a focus on Parkinson's disease

Fabio Falleroni (*Neuroscience, IRCCS Policlinico San Martino, Genoa, Italy*)



19:00-20:30 AINI Soccer Venue

Day 3 | Wednesday May 8th

YOUNG SESSION – Cell Therapy in Neuroinflammation

Chairs: Giada Pisano (*University of Cagliari, Cagliari, Italy*) & Stefano Masciocchi (*University of Pavia, Pavia, Italy*)

09:00-09:45 **Understanding neurological autoimmunity - From monoclonal patient autoantibodies to novel cells therapies**

Harald Pr   (Neurologie, Charit  Universit tsmedizin, Berlin, Germany)

Oral presentations

09:45-10:00 **Comparison of commercial tissue-based assays for the detection of antibodies against intracellular neuronal antigens in paraneoplastic neurological syndromes**

Pietro Businaro (*University of Pavia/IRCCS Mondino Foundation*)

10:00-10:15 **Clinical, prognostic and pathophysiological implications of MOG-IgG detection in the CSF: the importance of intrathecal MOG-IgG synthesis**

Stefano Masciocchi (*Neuroimmunology Research Section, IRCCS Mondino Foundation, Pavia, Italy*)

10:15-10:30 **Study of B cells in subjects with multiple sclerosis treated with cladribine**

Marta Pirronello (*Neuroimmunology Unit, IRCCS Fondazione Santa Lucia, Rome, Italy*)

10:30-10:45 **Serum neurofilaments and glial fibrillary acid protein in progressive Multiple Sclerosis: a prospective longitudinal study**

Krzysztof Smolik (*Department of Biomedical, Metabolic and Neurosciences, University of Modena and Reggio Emilia, Modena, Italy*)

10:45-11:00 **Challenges and Opportunities of using the Italian national Multiple Sclerosis Register for patient stratification by Machine Learning**

Gianmarco Bellucci (*Department of Neuroscience, Mental Health and Sensory Organs (NESMOS), Sapienza University of Rome, Rome, Italy*)

11:00-11:30 *Coffee Break*

SESSION V – Animal Models of Neuroinflammation & Neurodegeneration

Chairs: Cinthia Farina (*San Raffaele Scientific Institute, Milan, Italy*) & Rosella Mechelli (*IRCCS San Raffaele, Rome, Italy*)

11:30-12:00 **Theiler's virus-induced demyelinating disease as an infectious model of progressive MS**

Francesca Gilli (*DHMC & Geisel School of Medicine, Lebanon, USA*)

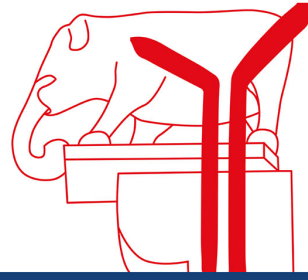
Oral presentations

12:00-12:15 **Alpha-synuclein oligomers-induced dysregulation in central and peripheral immune responses**

Annarosa Carta (*Biomedical Sciences, University of Cagliari, Italy*)

12:15-12:30 **Exploring the Interplay of Genetic Background, Gut Microbiota, and Fatty Acid Metabolism in SOD1 ALS Mouse Models**

Elena Niccolai (*Department of Experimental and Clinical Medicine, University of Florence, Italy*)



12:30-12:45 **Tissue resident memory leukocytes alter neuronal functionality during neurodegenerative diseases**
Eleonora Terrabuio (*Department of Medicine, Section of General Pathology, University of Verona, Italy*)

12:45-13:00 **Exploring hypothalamic dysfunctions in experimental autoimmune encephalomyelitis**
Eleonora Cornacchia (*IRCCS Ospedale Policlinico San Martino, Genoa, Italy*)

13:00-14:30 *Lunch Break*

SESSION VI – Nutrition & Multiple Sclerosis

Chairs: Luca Battistini (*Santa Lucia Foundation IRCCS, Rome, Italy*) & Claudio Procaccini (*Federico II University, Naples, Italy*)

14:30-15:15 **Immunomodulatory effects of intermittent calorie restriction in MS**
Laura Piccio (*Charles Perkins Centre and School of Medical Sciences, University of Sydney, Australia*)

Oral presentations

15:15-15:30 **Dietary manipulation to control immunological self-tolerance in Experimental Autoimmune Encephalomyelitis**
Claudia Russo (*Azienda Ospedaliera Universitaria "Federico II"*)

15:30-15:45 **Calorie restriction as a novel therapeutic tool to modulate immune system during multiple sclerosis**
Alessandra Colamatteo (*Department of Molecular Medicine and Medical Biotechnology, University of Naples "Federico II", Naples, Italy*)

15:45-16:00 **Impact of caloric restriction in patients with multiple sclerosis treated with dimethyl fumarate**
Alice Verdiani (*IRCSS Fondazione Santa Lucia, Neuroimmunology Unit, Rome, Italy*)

16:00-16:15 **High-fat diet drives glutamatergic synaptic damage by shaping the gut microbiota and T cell dynamics in multiple sclerosis**
Francesca De Vito

16:30-16:45 *Coffee Break*

SESSION VII – Artificial Intelligence in Neuroinflammation

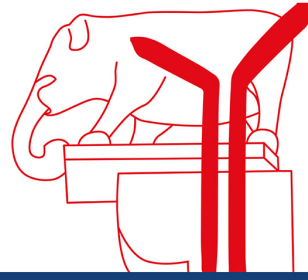
Chairs: Giancarlo Coghe (*Università degli Studi di Cagliari, Cagliari, Italy*) & Roberto Furlan (*INSpe San Raffaele Scientific Institute, Milan, Italy*)

16:45-17:30 **Advanced informatics methods to understand the human brain and white matter**
Franco Pestilli (*University of Texas, Austin, USA*)

Poster Session II

Chairs: Rosella Mechelli (*IRCCS San Raffaele, Rome, Italy*) & Martina Severa (*Istituto Superiore di Sanità, Rome, Italy*) & Claudio Procaccini (*IEOS-CNR, Naples, Italy*)

17:30-18:45 Cell Therapy in Neuroinflammation
A comprehensive and reproducible protocol to isolate viable neurons from brain and spinal cord of adult mice: application on a rest knock-out mouse transduced with AAV vectors



Federico Carlini (*IRCCS Ospedale Policlinico San Martino, Genova, Italy*)

ALTERATION OF CIRCADIAN CLOCK GENES IN BRAIN-INFILTRATING LEUKOCYTES IN ALZHEIMER'S DISEASE

Nikolaos Vareltsakis (*Department of Medicine, Section of General Pathology, University of Verona, Verona (Italy)*)

The involvement of inflammation in Parkinson's Disease: a morphological characterization in an α -synuclein rat model

Marta Russo (*Laboratory of Experimental Neurophysiology, IRCCS San Raffaele, Rome, Italy*)

CHARACTERIZATION OF CEREBELLUM INFLAMMATION IN A MOUSE MODEL OF FRIEDREICH'S ATAXIA

Veronica Ceci (*Department Biology, University of Rome Tor Vergata, Rome, Italy, Laboratory of Resolution of Neuroinflammation, IRCCS Santa Lucia Foundation, Rome, Italy, Institute of Translational Pharmacology, IFT-CNR, Rome, Italy*)

STUDY OF STRUCTURAL AND FUNCTIONAL PLASTICITY IN LEVODOPA-INDUCED DYSKINESIA THROUGH MULTIPHOTON MICROSCOPY IN THE MURINE MODEL OF PARKINSON'S DISEASE

Federico Carlini (*IRCCS Ospedale Policlinico San Martino, Genova, Italy*)

A role for NETosis mechanisms in the induction of neuroinflammation and neurodegeneration

Enrica Caterina Pietronigro (*Department of Medicine, Section of General Pathology, University of Verona, Italy*)

Nutrition & Multiple Sclerosis

Dietary methionine restriction as an anti-EBV treatment: an exploratory clinical trial

Valeria Zancan (*Department of Neurosciences, Mental Health and Sensory Organs, Sapienza University of Rome, Rome, Italy*) α

ASSESSMENT OF THE EFFECTS AND FEASIBILITY OF AN ADAPTED PHYSICAL ACTIVITY INTERVENTION IN PEOPLE WITH MULTIPLE SCLEROSIS: DATA FROM THE EXPERIENCE OF SPORT MEDICINE SERVICE IN MODENA

Lisa De Pasquale (*Department of Biomedical, Metabolic and Neural Sciences, Public Health School, University of Modena and Reggio Emilia, Modena, Italy*)

Artificial Intelligence in Neuroinflammation

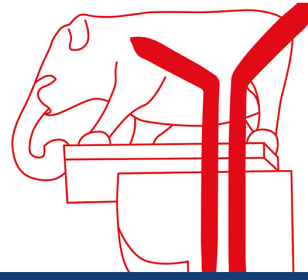
Machine learning-driven diagnosis of multiple sclerosis from whole blood transcriptomics

Rosaria Rita Chiarelli (*Institute of Experimental Neurology and Division of Neuroscience, IRCCS San Raffaele Scientific Institute, Milan, Italy*)

General Neuroimmunology

18:45-19:45 AINI General Assembly

20:30 AINI Social Dinner – T Hotel Cagliari



Day 4 | Thursday May 9th

SESSION VIII – Neuroimmunology of mood disorders

Chairs: Carlo Avolio (*University of Foggia, Foggia, Italy*) & Bruno Bonetti (*University of Verona, Verona, Italy*)

09:30-10:00 **Synaptic correlates of mood disorders in MS and EAE**
Diego Centonze (*Tor Vergata University, Neuromed, Rome, Italy*)

Special Talk

Chairs: Eleonora Cocco (*University of Cagliari, Cagliari, Italy*) & Marco Salvetti (*Azienda Ospedaliero-Universitaria Sant'Andrea, Rome, Italy*)

10:00-11:00 **B cells and EBV in Multiple Sclerosis: progress and challenges**
Francesca Aloisi (*formerly Neuroscience Dept., Istituto Superiore di Sanità, Rome, Italy*)

11:00-11:30 *Coffe Break*

AINI EQAS

Chairs: Diana Ferraro (*Modena University Hospital & Baggiovara Civil Hospital, Modena, Italy*) & Massimiliano Di Filippo (*Università degli Studi di Perugia, Perugia, Italy*)

11:30-12:00 **AINI External Quality Assessment Scheme Results 2024**
Matteo Gastaldi (*IRCCS Mondino Foundation and University of Pavia, Pavia, Italy*)

12:00-13:00 *AINI Awards & final remarks*

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