

Scientific Programme

DAY 1 Wednesday | October 1st 2014

17.00 – 17.30 Welcome Remarks

17.30 - 18.15

SESSION 1: HOT SPOT SEMINAR

Chairs: Giuseppe Matarese and Antonio Uccelli

17.30 **56 - NAVIGATING THE PUBLISHING PROCESS AT HIGH-IMPACT JOURNALS**
Randy Levinson
Nature Publishing Group, New York, NY, USA

18.30 – 19.30 Welcome Cocktail

DAY 2 Thursday | October 2nd 2014

9.00 - 12.15

SESSION 2: NEUROIMMUNOBIOLOGY IN HEALTH AND DISEASES - PART 1

Chair: Cinthia Farina

- 09.00 **54 - ASTROCYTE-T CELL CROSS-TALK**
Fabio Grassi
Institute for Research in Biomedicine, Bellinzona, Switzerland and Department of Medical Biotechnology and Translational Medicine University of Milan, Italy
- ORAL COMMUNICATIONS**
- 09.45 **3 - MONOCYTE DERIVED MICROVESICLES IN PATIENTS WITH MULTIPLE SCLEROSIS. EFFECTS OF CURRENT IMMUNE TREATMENTS FOR THE DISEASE**
Maria Blonda
Department of Medical and Surgical Sciences, University of Foggia, Foggia, Italy
- 10.00 **45 - THE FORMATION OF INFLAMMATORY DEMYELINATED LESIONS IN CEREBRAL WHITE MATTER**
Pietro Maggi
Department of Neurosciences, Drug Research, and Child's Health, University of Florence, Florence, Italy
- 10.15 **29 - MODULATORY PREIMPLANTATION FACTOR REGULATES POST-INFECTIOUS EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS IN THERAPEUTIC SETTING**
Giuseppe Migliara
Institute of General Pathology, Università Cattolica del Sacro Cuore, Rome, Italy
- 10.30 **36 - EBNA2 BINDS TO GENOMIC INTERVALS ASSOCIATED WITH MULTIPLE SCLEROSIS AND OVERLAPS WITH VITAMIN D RECEPTOR OCCUPANCY**
Rosella Mechelli
Centre for Experimental Neurological Therapies (CENTERS), Neurology and Department of Neuroscience, Mental Health and Sensory Organs, Sapienza University of Rome, Rome, Italy
- 10.45 - 11.15 Coffee break
- ORAL COMMUNICATIONS**
- 11.15 **11 - MODULATION OF MONOCYTES BY ANANDAMIDE IN MULTIPLE SCLEROSIS INVOLVE DISTINCT TOLL-LIKE RECEPTORS**
Valerio Chiurchiu
Santa Lucia Foundation, Neurochemistry of Lipids, Rome, Italy
- 11.30 **20 - FINGOLIMOD MAY PREVENT NEURODEGENERATION INDUCED BY ASTROCYTE S1P AND CYTOKINE SIGNALING CASCADES DURING CNS INFLAMMATION**
Emanuela Colombo
Institute of Experimental Neurology (INSpe), Division of Neuroscience, San Raffaele Scientific Institute, Milan, Italy
- 11.45 **30 - PROKINETICIN 2 PROMOTES PRO-INFLAMMATORY RESPONSE IN AUTOIMMUNE CNS DEMYELINATION**
Mhamad Abou-hamdan
Neuroimmunology and Neuromuscular Disorder Unit, Neurological Institute Foundation IRCCS Carlo Besta, Milan, Italy

- 12.00 **2 - PLASMACYTOID DENDRITIC CELLS INDUCE AN IMMUNOREGULATORY T HELPER 9 PROFILE IN MULTIPLE SCLEROSIS**
Gabriella Ruocco
Neuroimmunology, Santa Lucia Foundation, Rome, Italy

12.15 - 13.00

SESSION 3: AINI STANDARDIZATION AND GUIDELINES

- 12.15 **UPDATING IN NEUROIMMUNOLOGICAL DIAGNOSTICS AND RESTARTING OF AINI GUIDELINES AND STANDARDIZATION**
Diego Franciotta
Neurologic Institute, C. Mondino Foundation, Pavia, Italy

- 13.00 - 14.30 Buffet lunch

14.30 - 16.15

SESSION 4: NEUROIMMUNOBIOLOGY IN HEALTH AND DISEASES - PART 2

Chairs: Carlo Avolio and Roberto Furlan

- 14.30 **58 - REFLEX CIRCUITRY REGULATING INFLAMMATORY PHYSIOLOGY**
Peder S. Olofsson
The Feinstein Institute for Medical Research, Manhasset, NY, USA

ORAL COMMUNICATIONS

- 15.15 **13 - DBP ISOFORMS AND APOE AS EARLY PROGNOSTIC CSF BIOMARKERS OF MS AGGRESSIVENESS**
Serena Martire
AOU San Luigi Gonzaga, Neurologia 2 - Centro di Riferimento Regionale Sclerosi Multipla (CReSM), Orbassano, Italy

- 15.30 **34 - MONOMETHYL FUMARATE INHIBITS THE NFKB PATHWAY AND PRO-INFLAMMATORY CYTOKINE EXPRESSION IN MICROGLIA THROUGH HCA2 SIGNALING VIA THE AMPK/SIRT AXIS**
Benedetta Parodi
Neuroimmunology Unit - Department of Neurosciences, Ophthalmology and Genetics, University of Genoa, Genoa, Italy

- 15.45 **18 - IFN-BETA THERAPY-DRIVEN STRINGENT REGULATION OF TLR7 RESPONSES IN MULTIPLE SCLEROSIS PATIENTS: A COMPLEX REGULATORY NETWORK INVOLVING KEY IMMUNE CELL TYPES**
Martina Severa
Istituto Superiore di Sanità, Dep. Infectious, Parasitic and Immune-mediated Diseases, Rome, Italy

- 16.00 **37 - MESENCHYMAL STEM CELLS NANOVESICLES: INNOVATIVE THERAPEUTIC APPROACH FOR NEUROPROTECTION AND NEUROREGENERATION**
Bruno Bonetti
Dept of Neuroscience, University of Verona, Verona, Italy

- 16.15 – 16.45 Coffee break



16.45 - 18.15

SESSION 5: NANO AND NEW TECHNOLOGIES

Chairs: Fulvio Baggi and Francesco Ria

- 16.45 **52 - ENGINEERING PSEUDO-AXONAL SCAFFOLDS FOR MYELINATION: IMPLICATIONS FOR DEVELOPMENT, DISEASE AND HIGH THROUGHPUT SCREENING FOR MS THERAPEUTICS**
Jonah Chan
University of California, Neuroscience and Multiple Sclerosis Research Group, San Francisco, CA, USA
- 17.30 **51 - NANOTECHNOLOGY APPLICATION TO THE NERVOUS SYSTEM: CARBON NANOTUBES IN NEURONAL NETWORKS RECONSTRUCTION**
Laura Ballerini
International School for Advanced Studies-SISSA Trieste, Italy
- 19.00 AINI Soccer Venue

DAY 3 Friday | October 3rd 2014

8.45 - 12.30

SESSION 6: MOLECULAR MECHANISMS IN T CELL ACTIVATION AND MIGRATION: ROLE IN AUTOIMMUNITY

Chairs: Clara Ballerini and Rosetta Pedotti

- 08.45 **59 - METABOLIC REGULATION OF T CELL FUNCTION AND FATE**
Erika Pearce
Department of Pathology & Immunology, Washington University School of Medicine, St. Louis, MO, USA
- 09.30 **ORAL COMMUNICATIONS**
40 - METABOLIC CONTROL OF FOXP3 INDUCTION IN MULTIPLE SCLEROSIS
Veronica De Rosa
Laboratory of Immunology, Institute Experimental Endocrinology and Oncology and NeuroImmunology Unit, IRCCS Santa Lucia Foundation, IEOS-CNR, Naples, Italy
- 9.45 **38 - PROTEOMIC LANDSCAPE REVEALS DISTINCT AND SPECIFIC METABOLIC PROGRAMS IN HUMAN TCONV AND TREG CELLS**
Claudio Procaccini
Istituto di Endocrinologia e Oncologia Sperimentale, Consiglio Nazionale delle Ricerche (IEOS-CNR), Napoli, Italy
- 10.00 **49 - GUT FLORA SPECIFIC IMMUNE RESPONSES IN MULTIPLE SCLEROSIS**
Eleonora Piras
Neuroimmunology Unit, Santa Lucia Foundation, Rome, Italy
- 10.15 **27 - T REGULATORY CELLS DIFFERENTIATION AND MULTIPLE SCLEROSIS: ASSOCIATION OF CD25+CD39+ PHENOTYPE WITH FOXP3 ISOFORMS.**
F. Gargano
Neuroimmunology Unit, IRCCS Santa Lucia Foundation, Rome, Italy
- 10.30 - 11.00 Coffee break

- 11:00 **53 - LEUKOCYTE RECRUITMENT IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS**
Triantafyllos Chavakis
Department of Clinical Pathobiochemistry, University Dresden, Germany
- ORAL COMMUNICATIONS**
- 11.45 **43 - IMPACT OF PERIPHERAL INFLAMMATION ON LEUKOCYTE TRAFFICKING ACROSS THE BRAIN MICROVASCULAR ENDOTHELIUM: SEX DEPENDENT DIFFERENCES.**
Elisa Maggioli
Queen Mary University London, William Harvey Research Institute, London, United Kingdom
- 12.00 **33 - LFA-1 INTEGRIN CONTROLS TH1 AND TH17 INTRAPARENCHYMAL MOTILITY BEHAVIOR IN THE CENTRAL NERVOUS SYSTEM DURING EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS**
Silvia Dusi
Department of Pathology and Diagnostics, Section of General Pathology, University of Verona, Verona, Italy
- 12.15 **9 - TREATMENT WITH ANTI-FCEPSILONR1ALPHA ANTIBODY INCREASES T CELL AUTOIMMUNITY AGAINST MYELIN ANTIGEN AND EXACERBATES EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS**
Silvia Musio
Neuroimmunology and Neuromuscular Disorder Unit, Neurological Institute Foundation IRCCS C. Besta, Milan, Italy
- 12.30 **14 - RESTORING SELF-TOLERANCE TO ACETYLCHOLINE RECEPTOR IN THE EXPERIMENTAL MODEL OF MYASTHENIA GRAVIS**
Alessandra Consonni
U.O. Neurology IV - Neuimmunology and Neuromuscular diseases, Foundation IRCCS Institute Neurological "Carlo Besta", Milano, Italy
- 12.45 **61 - TRANSLATING INSIGHTS FROM NEUROIMMUNOLOGY INTO MS THERAPEUTICS**
Heinz Wiendl
Department of Neurology, University of Münster, Münster, Germany
- 13.30 - 14.30 **Buffet lunch**

14.30 - 16.00

SESSION 7: BASIC MECHANISMS IN NATURAL IMMUNITY

Chairs: Giovanna Borsellino and Gabriela Constantin

- 14.30 **57 - NATURAL KILLER CELLS AND NEUROBLASTOMA: TUMOR RECOGNITION, ESCAPE MECHANISMS AND POSSIBLE NOVEL IMMUNOTHERAPEUTIC APPROACHES.**
Alessandro Moretta - Alessandra Dondero - Roberta Castriconi
University of Genova, Department of Experimental Medicine (DIMES), Genova, Italy
- ORAL COMMUNICATIONS**
- 15.15 **6 - CLUSTERING PATIENTS WITH MULTIPLE SCLEROSIS ON THE BASIS OF DIFFERENT SUBSETS OF CD8+ AND INKT CELLS BY USING PRINCIPAL COMPONENT ANALYSIS.**
Sara De Biasi
Dept. of of Surgery, Medicine, Odontoiatrics and Morphological Sciences, University of Modena and Reggio Emilia, Modena, Italy
- 15.30 **32 - NEUTROPHILS INDUCE ALZHEIMER'S-LIKE DISEASE VIA LFA-1-INTEGRIN**
Enrica Caterina Pietronigro
Department of Pathology and Diagnostics, University of Verona, Verona, Italy
- 15.45 **5 - THE ROLE OF MICROGLIA AND INFLAMMATION IN AN ANIMAL MODEL OF ALS**
Chiara Rossi
San Raffaele Scientific Institute, Division of Neuroscience - INSPE, Neuroimmunology, Hospital, Milan, Italy



DAY 3 Friday | October 3rd 2014

16.00 - 17.30

POSTER SESSION & COFFEE BREAK

Chairs: Simona Malucchi and Davide Maimone

41 - NANOMATERIALS AT THE NEURO-IMMUNE INTERFACE: LABELLING AUTOIMMUNE T CELLS WITH IRON OXIDE NANOPARTICLES IN EAE

Alessandra Aldinucci

Dept. NEUROFARBA, University of Florence, Florence, Italy

22 - ROLE OF ENDOGENOUS NEURAL PRECURSOR CELLS IN REMYELINATION AND AXONAL DAMAGE AFTER CUPRIZONE-INDUCED INJURY

Erica Butti ⁽¹⁾ - Giulia Berera ⁽¹⁾ - Francesca Ruffini ⁽¹⁾ - Linda Chaabane ⁽¹⁾ - Giorgia Dina ⁽²⁾ - Angelo Quattrini ⁽²⁾
Gianvito Martino ⁽¹⁾

Neuroimmunology Unit, Division of Neuroscience, INSPE, San Raffaele Hospital, Milan, Italy ⁽¹⁾

Neuropathology Unit, Division of Neuroscience, INSPE, San Raffaele Hospital, Milan, Italy ⁽²⁾

19 - ANTI-N-METHYL-D-ASPARTATE (NMDA) RECEPTORS ENCEPHALITIS ASSOCIATED WITH OVARIAN TERATOMA

Giulia Coarelli - Barbara Casolla - Virginia Cipollini - Serena Candela - Stefania Morino - Franco Giubilei

Marco Salvetti - Francesco Orzi

Ospedale Sant'Andrea, Sapienza, Roma, Italy

44 - THE SELECTIVE REDUCTION OF MEMORY B CELLS IN MS PATIENTS UNVEILS A NOVEL IMMUNOMODULATORY ROLE FOR INTERFERON- β THERAPY.

Fabiana Rizzo - Eliana Coccia

Istituto Superiore di Sanità, Dept Malattie infettive, parassitarie ed immunomediate, Roma, Italy

8 - GENE EXPRESSION ANALYSIS OF HISTAMINE RECEPTORS IN PERIPHERAL BLOOD MONONUCLEAR CELLS FROM INDIVIDUALS WITH CLINICALLY-ISOLATED SYNDROME AND DIFFERENT STAGES OF MULTIPLE SCLEROSIS

Massimo Costanza ⁽¹⁾ - Marco Di Dario ⁽²⁾ - Lawrence Steinman ⁽³⁾ - Cinthia Farina ⁽²⁾ Rosetta Pedotti ⁽¹⁾

Neuroimmunology and Neuromuscular Disorder Unit, Neurological Institute Foundation IRCCS C. Besta, Milan, Italy ⁽¹⁾ - Institute of Experimental Neurology (INSpe), San Raffaele Scientific Institute, Milan, Italy ⁽²⁾ - Departments of Pediatrics, Neurology and Neurological Sciences, Stanford University, Stanford, United States ⁽³⁾

7 - TREG AND INKT CELLS CHANGES AFTER TREATMENT WITH FINGOLIMOD IN MULTIPLE SCLEROSIS PATIENTS.

Sara De Biasi ⁽¹⁾ - Milena Nasi ⁽¹⁾ - Elena Bianchini ⁽¹⁾ - Diana Ferraro ⁽²⁾ - Francesca Vitetta ⁽²⁾ - Anna Maria Simone ⁽²⁾
Lara Gibellini ⁽¹⁾ - Marcello Pinti ⁽³⁾ - Cinzia Del Giovane ⁽⁴⁾ - Patrizia Sola ⁽²⁾ - Andrea Cossarizza ⁽¹⁾

Dept. of Surgery, Medicine, Dentistry and Morphological Sciences, University of Modena and Reggio Emilia, Modena, Italy ⁽¹⁾

MS Center, Neurology Clinic, Nuovo Ospedale Civile Sant'Agostino Estense (NOCSAE), Modena, Italy ⁽²⁾ - Dept. of Life Sciences,

University of Modena and Reggio Emilia, Modena, Italy ⁽³⁾ - Dept. of Diagnostic and Clinical Medicine and Public Health, University of Modena and Reggio Emilia, Modena, Italy ⁽⁴⁾

35 - INTRATHECALLY TRANSPLANTED NEURAL PRECURSOR CELLS IMPAIR THE REACTIVATION OF PATHOGENIC HELPER T CELLS WITHIN THE CENTRAL NERVOUS SYSTEM

Donatella De Feo ⁽¹⁾ - Arianna Merlini ⁽¹⁾ - Elena Brambilla ⁽²⁾ - Cecilia Laterza ⁽²⁾ - Francesca Ruffini ⁽²⁾

Giancarlo Comi ⁽¹⁾ - Gianvito Martino ⁽²⁾

Neuroimmunology Unit, Institute of Experimental Neurology, San Raffaele Hospital and University Vita-Salute San Raffaele, Milan, Italy ⁽¹⁾ - Neuroimmunology Unit, Institute of Experimental Neurology, San Raffaele Hospital, Milan, Italy ⁽²⁾

42 - NK CELL-MEDIATED DEFENCE TOWARDS MELANOMA IS NOT IMPAIRED BY NATALIZUMAB TREATMENT

Ilaria Gandoglia ⁽¹⁾ - Alice Laroni ⁽¹⁾ - Paolo Carrega ⁽²⁾ - Nicole Kerlero De Rosbo ⁽¹⁾ - Eric Armentani ⁽¹⁾

Federico Ivaldi ⁽¹⁾ - Giovanni Luigi Mancardi ⁽¹⁾ - Guido Ferlazzo ⁽³⁾ - Antonio Uccelli ⁽¹⁾

Department of Neurosciences, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health (DINO GMI), University of Genoa, Genoa, Italy ⁽¹⁾ - Laboratory of Clinical and Experimental Immunology, Giannina Gaslini Institute, Genoa, Italy ⁽²⁾ - Laboratory of Immunology and Biotherapy, Department of Human Pathology, University of Messina, Messina, Italy ⁽³⁾

26 - ROLE OF EBV-INFECTED B CELLS IN MULTIPLE SCLEROSIS

Gisella Guerrera

Neuroimmunology Unit, Santa Lucia Foundation, Roma, Italy

39 - EFFECT OF INTERFERON-BETA TREATMENT ON META-IMMUNOLOGICAL PROFILING AND INTRACELLULAR METABOLISM OF T CELLS FROM PATIENTS WITH MULTIPLE SCLEROSIS

Claudia La Rocca ⁽¹⁾ - Fortunata Carbone ⁽¹⁾ - Francesco Perna ⁽²⁾ - Silvana Montella ⁽³⁾ - Pietro Biagio Carrieri ⁽³⁾

Roberta Lanzillo ⁽³⁾ - Vincenzo Brescia Morra ⁽³⁾ - Iliaria Cerillo ⁽³⁾ - Dario Bruzzese ⁽⁴⁾ - Giuseppe Matarese ⁽⁵⁾

Laboratory of Immunology, Institute Experimental Endocrinology and Oncology, IEOS-CNR, Naples, Italy ⁽¹⁾ - Department of Clinical Medicine and Surgery, University of Naples "Federico II", Naples, Italy ⁽²⁾ - Department of Neuroscience, University of Naples "Federico II", Naples, Italy ⁽³⁾ - Department of Preventive Medical Sciences, University of Naples "Federico II", Naples, Italy ⁽⁴⁾ - Department of Medicine and Surgery and IRCCS MultiMedica, University of Salerno, Baronissi, Italy ⁽⁵⁾

50 - POSSIBLE ROLE OF MIRNAS IN THE MODULATION OF NEUROINFLAMMATION BY MESENCHYMAL STEM CELLS

Chiara Marini - Benedetta Parodi - Nicole Kerlero De Rosbo - Antonio Uccelli - Debora Giunti

Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Health, University of Genoa, Genoa, Italy

17 - EPSTEIN-BARR VIRUS GENOME ANALYSIS IN MULTIPLE SCLEROSIS THROUGH NEXT GENERATION SEQUENCING APPROACHES

Rosella Mechelli ⁽¹⁾ - Caterina Manzari ⁽²⁾ - Anita Annese ⁽²⁾ - Eleni Anastasiadou ⁽³⁾ - Claudia Policano ⁽¹⁾ - Anna

Maria D'Erchia ⁽²⁾ - Ernesto Picardi ⁽²⁾ - Maria Chiara Buscarinu ⁽¹⁾ - Viviana Annibali ⁽¹⁾ - Giulia Coarelli G ⁽¹⁾ - Vito Ag

Ricigliano ⁽¹⁾ - Apollonia Tullo ⁽⁴⁾ - Pankaj Trivedi ⁽³⁾ - Giovanni Ristori ⁽¹⁾ - Graziano Pesole ⁽⁵⁾ - Marco Salvetti ⁽¹⁾

Centre for Experimental Neurological Therapies (CENTERS), Department of Neurosciences, Mental Health and Sensory Organs, Sapienza University of Rome, Rome, Italy ⁽¹⁾ - Department of Biosciences, Biotechnology and Biopharmaceutical, Bari University, Bari, Italy ⁽²⁾ - Department of Experimental Medicine, Sapienza University of Rome, Rome, Italy ⁽³⁾ - Institute for Biomedical Technologies, National Research Council, Bari, Italy ⁽⁴⁾ - Department of Biosciences, Biotechnology and Biopharmaceutical and Institute of Biomembranes and Bioenergetics, Bari University and National Research Council, Bari, Italy ⁽⁵⁾

21 - NEUROINFLAMMATION INFLUENCES THE LONG-TERM PERSISTENCE AND LOCALIZATION OF NEURAL STEM CELLS AFTER INTRATHECAL TRANSPLANTATION IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Arianna Merlini ⁽¹⁾ - Donatella De Feo ⁽¹⁾ - Francesca Ruffini ⁽¹⁾ - Annamaria Finardi ⁽¹⁾ - Giancarlo Comi ⁽²⁾

Gianvito Martino ⁽¹⁾

Neuroimmunology Unit, Institute of Experimental Neurology, San Raffaele Scientific Institute, Milan, Italy ⁽¹⁾

Department of Neurology, Institute of Experimental Neurology, San Raffaele Scientific Institute, Milan, Italy ⁽²⁾

15 - ROLE OF SINGLE NUCLEOTIDE POLYMORPHISMS AND HAPLOTYPE VARIANTS IN TNFAIP3 EXPRESSION MODULATION IN MULTIPLE SCLEROSIS PATIENTS

Simona Perga ⁽¹⁾ - Serena Martire ⁽¹⁾ - Francesca Montarolo ⁽¹⁾ - Michela Spadaro ⁽¹⁾ - Nicole Navone ⁽¹⁾

Paola Berchialla ⁽²⁾ - Antonio Bertolotto ⁽¹⁾

AOU San Luigi Gonzaga, SCDO Neurologia 2 - Centro di Riferimento Regionale per la Sclerosi Multipla, Orbassano, Italy ⁽¹⁾

Department of Clinical and Biological Sciences, University of Turin, Torino, Italy ⁽²⁾



24 - MOLECULAR PREDICTORS OF RESPONSE TO NATALIZUMAB IN MS PATIENTS

Valeria Regina ⁽¹⁾ - Mirca Lazzaretti ⁽¹⁾ - Ilaria Pesci ⁽²⁾ - Annamaria Buschini ⁽¹⁾ - Enrico Montanari ⁽²⁾

Department of life science, Center for Molecular and Translational Oncology (COMT), University of Parma, Parma, Italy ⁽¹⁾

Multiple Sclerosis Centre, Unit of Neurology, Fidenza- S. Secondo Hospital, Fidenza, PR, Italy ⁽²⁾

12 - EFFECT OF NATALIZUMAB TREATMENT ON CIRCULATING CD4+CD62L+ T-CELLS IN MULTIPLE SCLEROSIS PATIENTS.

Michela Spadaro ⁽¹⁾ - Fabiana Marnetto ⁽¹⁾ - Marzia Caldano ⁽¹⁾ - Alessandra Lugaresi ⁽²⁾ - Antonio Bertolotto ⁽¹⁾

AOU San Luigi Gozaga, Clinical Neurobiology Unit, Regional Referring Multiple Sclerosis Center (CRESM), Orbassano, Turin, Italy ⁽¹⁾

Dept Neuroscience, Imaging and Clinical Sciences, University "G. d'Annunzio", Chieti, Italy ⁽²⁾

4 - ROLE OF NANOVESICLES FROM MACROPHAGES/MICROGLIA IN THE CROSS-TALK BETWEEN GLIOMA CELLS AND MICROENVIRONMENT

Ermanna Turano - Alessia Farinazzo - Edoardo Bistaffa - Bruno Bonetti - Elena Bazzoli

Department of Neurological and Movement Sciences, University of Verona, Verona, Italy

17.30 – 19.00 AINI General Assembly

20.30 Social Dinner

DAY 4 Saturday | October 4th 2014**09.30 - 13.00****SESSION 8: NOVEL INSIGHT IN SYNAPTIC AND NEURAL PLASTICITY: ROLE OF METABOLISM**

Chairs: Luca Battistini and Marco Salvetti

- 09.30 **55 - HYPOTHALAMIC CONTROL OF INTEGRATIVE PHYSIOLOGY OF IMMUNITY**
Tamas L. Horvath
Section of Comparative Medicine Jean and David W. Wallace, Neurobiology and Yale Program in Integrative Cell Signaling and Neurobiology of Metabolism, Yale University, New Haven, CT, USA
- ORAL COMMUNICATIONS**
- 10.15 **47 - STIMULATION OF VAGUS NERVE BY MESENCHYMAL STEM CELLS TO CARRY OUT THEIR IMMUNOMODULATORY FUNCTIONS**
Simona Casazza
Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics and Maternal Child sciences, University of Genoa, Genoa, Italy
- 10.30 **23 - HISTAMINE MEDIATED REGULATION OF HUMAN MYELOID DENDRITIC CELL CYTOSKELETON AND FUNCTION**
Elena Bonechi
Department of Neurosciences, Drug Research, and Child's Health, University of Florence, Florence, Italy
- 10.45 **10 - EFFECTS OF ISOXAZOLO-PYRIDINONE 7E, A POTENT ACTIVATOR OF THE NURR1 SIGNALING PATHWAY, ON EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS IN MOUSE**
Francesca Montarolo
AOU San Luigi Gonzaga, Neurologia 2 - Centro di Riferimento Regionale Sclerosi Multipla (CReSM), Orbassano, Italy
- 11.00 - 11.30 Coffee break
- 11.30 **28 - PROTON MEDIATED ASICs ACTIVATION AFFECTS NEURONAL FIRING AND PRE-SYNAPTIC HOMEOSTASIS**
Roberta De Ceglia
Neuroimmunology unit, Institute of Experimental Neurology (INSPE), Division of Neuroscience, San Raffaele Scientific Institute, Milan
- 11.45 **48 - ANALYSIS OF THE INTERFERON GAMMA MODULATED PATHWAYS RELATED TO THE THERAPEUTIC PLASTICITY OF BONE-MARROW DERIVED MESENCHYMAL STEM CELLS THROUGH A SILAC-BASED PROTEOMIC APPROACH**
Laura Lovato
DINO GMI, University of Genoa, Genoa, Italy
- 12.00 **16 - B CELL IRF1 PATHWAY IS DYSREGULATED IN MULTIPLE SCLEROSIS**
Viviana Annibaldi
Centre for Experimental Neurological Therapies (CENTERS) - Dep. of Neurosciences, Mental Health and Sensory Organs, Sapienza, University of Rome - S. Andrea Hospital site, Rome, Italy
- 12.15 **31 - A NOVEL DATA MINING PROCESS DISCLOSES A GLOBAL IMMUNODEFICIT IN ALZHEIMER AND MILD COGNITIVE IMPAIRMENT**
Maira Gironi
INSPE, OSR, Milano, Vita Salute OSR, MILano, Italy
- 12.30 - 13.00 AINI Awards & Closing Remarks
- 13.00 - 14.00 Farewell Cocktail