

XXIII AINI Congress

Thursday, August 22nd, 2013 **Amber 5-6**

8:45 **Welcome addresses**

Antonio Uccelli (Italy) – Carlo Avolio (Italy)

9:00 – 10:30 **Session 1: Immune Regulation I**

9:00 **ROLE OF B-REGS IN AUTOIMMUNITY**

Claudia Mauri

*Centre for Rheumatology Research, Division of Medicine,
University College London, London, UK*

9:45 **Oral Communications**

Chairs: Marco Salvetti (Italy) – Clara Ballerini (Italy)

5 - TIM-1 IS A NOVEL ROLLING RECEPTOR FOR P-SELECTIN CONTROLLING ACTIVATED T CELL RECRUITMENT IN THE CNS DURING EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Stefano Angiari ⁽¹⁾09:45

University Of Verona, Department Of Pathology And Diagnostics, Verona, Italy

21 - ACHR-SPECIFIC T CELL TRAFFICKING IN THE THYMUS OF CHRONIC EXPERIMENTAL AUTOIMMUNE MYASTHENIA GRAVIS

Roberta Marolda10:00

Istituto Neurologico Carlo Besta, Neurologia Iv, Milano, Italy

17 - THE PROKINETICIN SYSTEM IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS: POSSIBLE NOVEL TARGETS FOR IMMUNE INTERVENTION.

Mhamad Abou-hamdan.....10:15

Neuroimmunology And Neuromuscular Disorders Unit, Neurological Institute Foundation Carlo Besta, Milan, Italy

10:30 **Coffee break**



11:00 – 12:30 Session 2: Immune Regulation II

Oral Communications

Chairs: Bruno Bonetti (Italy) – Giovanna Borsellino (Italy)

3 - ALTERED LYMPHOID ORGANOGENESIS YET NORMAL DEVELOPMENT OF T-CELL MEDIATED AUTOIMMUNITY IN MICE WITH SKEWED B-CELL DIFFERENTIATION

*Emanuela Colombo11:00
Institute Of Experimental Neurology (inspe), Division Of Neuroscience, San Raffaele Scientific Institute, Milan, Italy*

11 - A "CANDIDATE-INTERACTOME" AGGREGATE ANALYSIS OF GENOME-WIDE ASSOCIATION DATA IN MULTIPLE SCLEROSIS

*Rosella Mechelli11:15
Department Of Neuroscience, Mental Health And Sensory Organs (nesmos), Faculty Of Medicine And Psychology, Sapienza University Of Rome, Roma, Italy*

26 - NK CELLS ARE FUNCTIONALLY DEFECTIVE IN MULTIPLE SCLEROSIS

*Alice Laroni11:30
Department Of Neuroscience, University Of Genoa, Genova, Italy*

9 - MBP 85-99-SPECIFIC TCR REPERTOIRE IN DRB1*15 PATIENTS AFFECTED BY MULTIPLE SCLEROSIS.

*Gabriele Di Sante11:45
Istituto Di Patologia Generale, Università Cattolica Del Sacro Cuore - Policlinico Gemelli, Roma, Italy*

33 - META-IMMUNOLOGIC PROFILING OF PATIENTS WITH MULTIPLE SCLEROSIS REVEALS A SPECIFIC CHANGE IN CIRCULATING ADIPOCYTOKINES AND NOVEL CELLULAR MARKERS TO MONITOR DISEASE PROGRESSION

*Claudia La Rocca12:00
Dipartimento Di Biologia E Patologia Cellulare E Molecolare, Università Di Napoli "federico II", Napoli 80131, Italy, Italy*

24 - CHANGES IN CD4+ T LYMPHOCYTE SUBSETS IN PERIPHERAL BLOOD OF PARKINSON DISEASE PATIENTS

*Natasa Kustrimovic12:15
Center Of Research In Medical Pharmacology, University Of Insubria, Varese, Italy*

12:30 – 14:30

Lunch break & Poster Session

Chairs: Luca Battistini (Italy) – Roberto Furlan (Italy)

4 - ENDOGENOUS AND IMMUNE CELL DERIVED BDNF SUPPORTS REGENERATION IN HUMAN SKELETAL MUSCLE

Emanuela Colombo ⁽¹⁾ - Francesco Bedogni ⁽¹⁾ - Isabella Lorenzetti ⁽¹⁾ - Nicoletta Landsberger ⁽¹⁾ - Stefano Previtali ⁽¹⁾ - Cinthia Farina ⁽¹⁾

Institute Of Experimental Neurology (inspe), Division Of Neuroscience, San Raffaele Scientific Institute, Milan, Italy ⁽¹⁾ - San Raffaele Rett Research Center, San Raffaele Scientific Institute, Milan, Italy ⁽¹⁾

16 - PROLACTIN IS NOT REQUIRED FOR THE DEVELOPMENT OF SEVERE CHRONIC EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Massimo Costanza ⁽¹⁾ - Silvia Musio ⁽¹⁾ - Mhamad Abou-hamdan ⁽¹⁾ - Nadine Binart ⁽¹⁾ - Rosetta Pedotti ⁽¹⁾

Neuroimmunology And Neuromuscular Disorder Unit, Neurological Institute Foundation Irccs C. Besta, Milan, Italy ⁽¹⁾ - Inserm U693, Univ Paris-sud, Faculté De Médecine Paris-sud, Le Kremlin-bicêtre, France ⁽¹⁾

6 - HEPATOCYTE NUCLEAR FACTOR 4 ALPHA REGULATES IMMUNE CELL ACTIVATION AND AUTOIMMUNITY

Marco Di Dario ⁽¹⁾ - Emanuela Colombo ⁽¹⁾ - Cinthia Farina ⁽¹⁾

Institute Of Experimental Neurology (inspe), Division Of Neuroscience, San Raffaele Scientific Institute, Milan, Italy ⁽¹⁾

8 - IMPACT OF INFECTIOUS AGENTS ON TRAFFICKING OF EFFECTOR T CELLS IS MEDIATED BY A POLYMORPHIC SITE OF TLR2 AND CD44 ISOFORMS EXPRESSION.

Gabriele Di Sante ⁽¹⁾ - Elisa De Paolis ⁽¹⁾ - Alessia Piermattei ⁽¹⁾ - Mariagrazia Valentini ⁽¹⁾ - Giuseppe Migliara ⁽¹⁾ - Chiara Nicolò ⁽¹⁾ - Salvatore Fusco ⁽¹⁾ - Giovanbattista Pani ⁽¹⁾ - Achille Maria Cittadini ⁽¹⁾ - Gabriela Constantin ⁽¹⁾ - Giovanni Delogu ⁽¹⁾ - Ezio Giorda ⁽¹⁾ - Francesco Ria ⁽¹⁾

Istituto Di Patologia Generale, Università Cattolica Del Sacro Cuore - Policlinico Gemelli, Roma, Italy ⁽¹⁾ - Istituto Di Patologia Generale, Università Di Verona, Roma, Italy ⁽¹⁾ - Istituto Di Microbiologia, Università Cattolica Del Sacro Cuore - Policlinico Gemelli, Roma, Italy ⁽¹⁾ - Istituto Di Patologia Generale, Ospedale Bambino Gesù, Roma, Italy ⁽¹⁾

27 - DO NK CELLS PLAY A ROLE IN THE POSSIBLE ASSOCIATION BETWEEN NATALIZUMAB TREATMENT AND THE DEVELOPMENT OF MELANOMA?

Ilaria Gandoglia ⁽¹⁾ - Alice Laroni ⁽¹⁾ - Paolo Carrega ⁽¹⁾ - Gianluigi Mancardi ⁽¹⁾ - Guido Ferlazzo ⁽¹⁾ - Antonio Uccelli ⁽¹⁾

Neuroimmunology Unit, Dinogmi, University Of Genoa, Genoa, Italy ⁽¹⁾ -

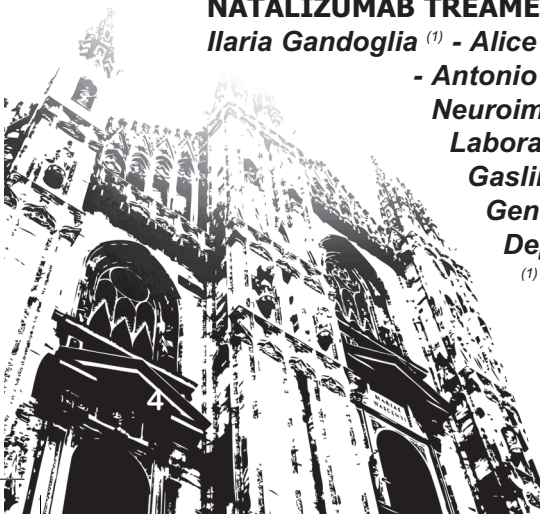
Laboratory Of Clinical And Experimental Immunology, Istituto Giannina

Gaslini, University Of Genoa, Genoa, Italy ⁽¹⁾ - Dinogmi, University Of

Genoa, Genoa, Italy ⁽¹⁾ - Laboratory Of Immunology And Biotherapy,

Department Of Human Pathology, University Of Messina,, Messina, Italy

⁽¹⁾



7 - INHIBITION OF ASTROCYTIC GLUTAMATE CARBOXYPEPTIDASE II ALLEVIATES GLUTAMATE EXCITOTOXICITY AND DISEASE ACTIVITY IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Youngeun Jee⁽¹⁾ - So Jin Bing⁽¹⁾ - Danbee Ha⁽¹⁾ - Jinhee Cho⁽¹⁾ - Jinhee Kim⁽¹⁾ - Sangmee Ahn Jo⁽¹⁾

Department Of Veterinary Medicine, Jeju National University, Jeju, Korea, Republic Of⁽¹⁾ - College Of Pharmacy, Dankook University, Cheonan, Korea, Republic Of⁽¹⁾

13 - EXPRESSION OF DOPAMINERGIC RECEPTORS ON CD4+ T CELL SUBSETS IN HUMAN PERIPHERAL BLOOD

Natasa Kustrimovic⁽¹⁾ - Emanuela Rasini⁽¹⁾ - Massimiliano Legnaro⁽¹⁾ - Franca Marino⁽¹⁾ - Marco Cosentino⁽¹⁾

Center Of Research In Medical Pharmacology, University Of Insubria, Varese, Italy⁽¹⁾

32 - DISTINCT METABOLIC SWITCHES INDUCED BY INTERFERON-BETA TREATMENT OF PATIENTS WITH MULTIPLE SCLEROSIS

Claudia La Rocca⁽¹⁾ - Fortunata Carbone⁽¹⁾ - Silavana Montella⁽¹⁾ - Pietro Biagio Carrieri⁽¹⁾ - Roberta Lanzillo⁽¹⁾ - Vincenzo Brescia Morra⁽¹⁾ - Ilaria Cerillo⁽¹⁾ - Dario Bruzzese⁽¹⁾ - Giuseppe Matarese⁽¹⁾

Laboratorio Di Immunologia, Istituto Di Endocrinologia E Oncologia Sperimentale, Consiglio Nazionale Delle Ricerche (ieos-cnr), Dipartimento Di Biologia E Patologia Cellulare E Molecolare, Università Di Napoli "federico II", Napoli, 80131, Italy⁽¹⁾ - Laboratorio Di Immunologia, Istituto Di Endocrinologia E Oncologia Sperimentale, Consiglio Nazionale Delle Ricerche (ieos-cnr), Dipartimento Di Biologia E Patologia Cellulare E Molecolare, Università Di Napoli "federico II", Napoli 80131, Italy⁽¹⁾ - Dipartimento Di Neuroscienze, Università Di Napoli "federico II", Napoli 80131, Italy⁽¹⁾ - Dipartimento Di Neuroscienze, Università Di Napoli "federico II", Napoli 80131, Napoli 80131, Italy⁽¹⁾ - Dipartimento Di Scienze Mediche Preventive, Università Di Napoli "federico II", Napoli 80131, Italy⁽¹⁾ - Dipartimento Di Medicina E Chirurgia, Facoltà Di Medicina E Chirurgia, Università Di Salerno, Baronissi Campus, Baronissi (sa) 84081, Italy⁽¹⁾

19 - NR4A2 IN A MULTIPLE SCLEROSIS: INSIGHT INTO THE ROLE OF NR4A2 IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Serena Martire⁽¹⁾ - Francesca Montarolo⁽¹⁾ - Simona Perga⁽¹⁾ - Nicole Desiree Navone⁽¹⁾ - Annamaria Finardi⁽¹⁾ - Roberto Furlan⁽¹⁾ - Antonio Bertolotto⁽¹⁾

Neuroscience Institute Cavalieri Ottolenghi (nico), University Hospital S. Luigi Gonzaga, Orbassano, Italy⁽¹⁾ - Inspe Department Of Neuroscience Dicit – 2, San Raffaele Hospital, Milan, Italy⁽¹⁾

18 - THE ROLE OF BASOPHILS IN EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS, A MOUSE MODEL OF MULTIPLE SCLEROSIS

Silvia Musio⁽¹⁾ - Massimo Costanza⁽¹⁾ - Gabriella Abolafio⁽¹⁾ - Mhamad Abou-hamdan⁽¹⁾ - Rosetta Pedotti⁽¹⁾

Foundation Irccs Neurological Institute C. Besta, Hospital, Milan, Italy⁽¹⁾ - Fondazione Irccs Istituto Nazionale Dei Tumori, Hospital, Milan, Italy⁽¹⁾

25 - HOW THE MICROBIOMA INFLUENCES MAIT CELLS IN MULTIPLE SCLEROSIS

Eleonora Piras⁽¹⁾ - Viviana Annibali⁽¹⁾ - Marco De Bardi⁽¹⁾ - Claudio Gasperini⁽¹⁾ - Serena Ruggieri⁽¹⁾ - Diego Centonze⁽¹⁾ - Maria G. Grasso⁽¹⁾ - Giovanni Ristori⁽¹⁾ - Marco Salvetti⁽¹⁾ - Giovanna Borsellino⁽¹⁾ - Olivier Lantz⁽¹⁾ - Carlotta De Filippo⁽¹⁾ - Daniela F. Angelini⁽¹⁾ - Luca Battistini⁽¹⁾ Neuroimmunology Unit, Santa Lucia Foundation, Rome, Italy⁽¹⁾ - Neurology And Centre For Experimental Neurological Therapies (centers), S. andrea Hospital, Sapienza University, Rome, Italy⁽¹⁾ - Department Of Neuroscience "Iancisi", S. camillo Hospital, Rome, Italy⁽¹⁾ - Department Of Neuroscience "Iancisi", S. camillo Hospital, Rome, Italy⁽¹⁾ - Department Of Neuroscience, Tor Vergata Hospital, Rome, Italy⁽¹⁾ - Multiple Sclerosis Centre, Santa Lucia Foundation, Rome, Italy⁽¹⁾ - Laboratoire D'immunologie And Inserm U520, Institut Curie, Paris, France⁽¹⁾ - Nutrition And Nutrigenomics Research Group Food Quality Nutrition & Health Department Research And Innovation Centre, Fondazione Edmund Mach, S. Michele All'adige (tn), Italy⁽¹⁾

14 - INTESTINAL PERMEABILITY IN MULTIPLE SCLEROSIS

Claudia Policano⁽¹⁾ - Viviana Annibali⁽¹⁾ - Luana Lionetto⁽¹⁾ - Maria Chiara Buscarinu⁽¹⁾ - Rosella Mechelli⁽¹⁾ - Matilde Capi⁽¹⁾ - Carlo Mattei⁽¹⁾ - Maurizio Simmaco⁽¹⁾ - Giovanni Ristori⁽¹⁾ - Marco Salvetti⁽¹⁾ Neurology And Department Of Neurosciences, Mental Health And Sensory Organs (nesmos) Sapienza University Of Rome, S. Andrea Hospital Site., Rome, Italy⁽¹⁾ - Diagnostic Molecular Advanced Unit, S. Andrea Hospital, Rome, Italy⁽¹⁾ - Diagnostic Molecular Advanced Unit - Department Of Neurosciences, Mental Health And Sensory Organs (nesmos) Sapienza University Of Rome, S. Andrea Hospital Site., Rome, -⁽¹⁾

22 - INVOLVEMENT OF IL-9 IN IMMUNOREGULATION OF T HELPER 17 CELLS IN MULTIPLE SCLEROSIS

Gabriella Ruocco⁽¹⁾ - Giovanna Borsellino⁽¹⁾ - Marco De Bardi⁽¹⁾ - Maria Grazia Grasso⁽¹⁾ - Serena Ruggieri⁽¹⁾ - Claudio Gasperini⁽¹⁾ - Silvia Rossi⁽¹⁾ - Diego Centonze⁽¹⁾ - Luca Battistini⁽¹⁾ - Elisabetta Volpe⁽¹⁾ Neuroimmunology Unit, Santa Lucia Foundation, Rome, Italy⁽¹⁾ - Multiple Sclerosis Centre, Santa Lucia Foundation, Rome, Italy⁽¹⁾ - Department Of Neuroscience "Iancisi", San Camillo Hospital, Rome, Italy⁽¹⁾ - Department Of Neuroscience, University Tor Vergata, Rome, Italy⁽¹⁾

15 - ADRENERGIC/DOPAMINERGIC PATHWAYS IN CIRCULATING LYMPHOCYTES OF CIS PATIENTS: POSSIBLE RELATIONSHIP WITH SUBSEQUENT PROGRESSION TO MULTIPLE SCLEROSIS

Laura Schembri⁽¹⁾ - Paola Spagnuolo⁽¹⁾ - Mauro Zaffaroni⁽¹⁾ - Mario Guidotti⁽¹⁾ - Giorgio Bono⁽¹⁾ - Franca Marino⁽¹⁾ - Marc O Cosentino⁽¹⁾ Center Of Research In Medical Pharmacology, University Of Insubria, _varese, Italy⁽¹⁾ - Hospital, Center For Research On Multiple Sclerosis, Hospital S. Antonio Abate, Gallarate, Italy⁽¹⁾ - Unit Of Neurology,, Valduce"hospital, Como, Italy⁽¹⁾ - University Of Insubria, Unit Of Neurology, Ospedale Di Circolo, Varese, Italy⁽¹⁾



31 - THE HUMAN MICROGLIAL CELL LINE CHME-5 RELEASES SHEDDING MICROVESICLES UPON STIMULATION WITH EXOGENOUS ATP: A NEW AND USEFUL MODEL FOR BIOLOGICAL AND CLINICAL ANSWERS.

Federico Colombo ⁽¹⁾ - Livia Garzetti ⁽¹⁾ - Gabriella Racchetti ⁽¹⁾ - Annamaria Finardi ⁽¹⁾ - Roberto Furlan ⁽¹⁾

Istituto Scientifico San Raffaele, Università Vita-salute San Raffaele, Milano, Italy ⁽¹⁾ - Istituto Scientifico San Raffaele, Ospedale San Raffaele, Milano, Italy ⁽¹⁾ - Istituto Scientifico San Raffaele, Università Vita-salute, Milano, Italy ⁽¹⁾

10 - A SINGLE NON-SYNONYMOUS POLYMORPHISM OF TLR2 IS SUFFICIENT TO RECAPITULATE THE VARIABILITY OF EXPERIMENTAL MULTIPLE SCLEROSIS.

Giuseppe Migliara ⁽¹⁾ - Gabriele Di Sante ⁽¹⁾ - Alessia Piermattei ⁽¹⁾ - Mariagrazia Valentini ⁽¹⁾ - Chiara Nicolò ⁽¹⁾ - Annabella Procoli ⁽¹⁾ - Maria Concetta Geloso ⁽¹⁾ - Barbara Rossi ⁽¹⁾ - Gabriela Constantin ⁽¹⁾ - Maddalena Corbi ⁽¹⁾ - Alessandro Sgambato ⁽¹⁾ - Francesco Ria ⁽¹⁾

Istituto Di Patologia Generale, Università Cattolica Del Sacro Cuore - Policlinico Gemelli, Rome, Italy ⁽¹⁾ - Istituto Di Ginecologia, Università Cattolica Del Sacro Cuore - Policlinico Gemelli, Rome, Italy ⁽¹⁾ - Istituto Di Anatomia Umana, Università Cattolica Del Sacro Cuore - Policlinico Gemelli, Rome, Italy ⁽¹⁾ - Istituto Di Patologia Generale, Università Di Verona, Verona, Italy ⁽¹⁾

37 - ALS-MAI. ALS: THE ROLE OF MICROGLIA, ASTROCYTES AND INFLAMMATION

Chiara Rossi ⁽¹⁾ - Roberta De Ceglia ⁽¹⁾ - Benedetta Arnò ⁽¹⁾ - Andrea Bergamaschi ⁽¹⁾ - Nilo Riva ⁽¹⁾ - Angelo Quattrini ⁽¹⁾ - Luca Muzio ⁽¹⁾

San Raffaele Scientific Institute, Division Of Neuroscience - Inspe, Neuroimmunology, Milan, Italy ⁽¹⁾ - San Raffaele Scientific Institute, Division Of Neuroscience - Inspe, Experimental Pathology, Milan, Italy ⁽¹⁾

36 - A ROLE FOR TNF SIGNALING IN CORTICAL GREY MATTER PATHOLOGY IN MULTIPLE SCLEROSIS

R. Magliozzi ⁽¹⁾ - P. Durrenberger ⁽¹⁾ - O. Howell ⁽¹⁾ - F. Roncaroli ⁽¹⁾ - E. Aricò ⁽¹⁾ - F. Aloisi ⁽¹⁾ - R. Reynolds ⁽¹⁾ - Wolfson Neuroscience Laboratories, Division Of Brain Sciences, Imperial College, London, UK ⁽¹⁾ - Neurology & Molecular Neuroscience, Institute Of Life Sciences, Swansea University, UK ⁽¹⁾ - Cell Biology & Neuroscience, Istituto Superiore Di Sanità, Rome, Italy ⁽¹⁾ - Wolfson Neuroscience Laboratories, Division Of Brain Sciences, Imperial College, London, UK ⁽¹⁾

23 - RISK OF IFN-BETA (IFNB) NEUTRALIZING ANTIBODIES POSITIVITY OF 5 FORMULATIONS IN 833 PATIENTS: 10 YEARS FOLLOW-UP IN A REFERRAL MULTIPLE SCLEROSIS (MS) CENTER.

Fabiana Marnetto ⁽¹⁾ - Arianna Sala ⁽¹⁾ - Marzia Caldano ⁽¹⁾ - Claudia Carcione ⁽¹⁾ - Paola Valentino ⁽¹⁾ - Simona Malucchi ⁽¹⁾ - Marco Capobianco ⁽¹⁾ - Antonio Bertolotto ⁽¹⁾

Clinical Neurobiology Unit, Regional Referral Center For Ms (cresm), Neuroscience Institute Cavalieri Ottolenghi (nico), Aou San Luigi Gonzaga, Orbassano (turin), Italy ⁽¹⁾ - Clinical Neurology, Regional Referral Ms Center (cresm), Aou San Luigi Gonzaga, Orbassano (turin), Italy ⁽¹⁾

28 - MONOMETHYLFUMARATE INDUCES A SWITCH OF ACTIVATED MICROGLIA FROM A PRO-INFLAMMATORY TO A NEUROPROTECTIVE PHENOTYPE

Benedetta Parodi ⁽¹⁾ - Christian Cordano ⁽¹⁾ - Debora Giunti ⁽¹⁾ - Cesare Usai ⁽¹⁾ - Nicole Kerlero De Rosbo ⁽¹⁾ - Robert Scannevin ⁽¹⁾ - Antonio Uccelli ⁽¹⁾

Neuroimmunology Unit, Department Of Neurosciences, Ophthalmology And Genetics, University Of Genoa, Genoa, Italy ⁽¹⁾ - National Research Council, Institute Of Biophysics, University Of Genoa, Genoa, Italy ⁽¹⁾ - Cambridge Center, Biogen Idec, Cambridge, Ma, United States ⁽¹⁾

20 - INTERFERON- γ ; THERAPY SELECTIVELY REDUCES THE PERCENTAGE OF MEMORY B CELLS IN PATIENTS WITH MULTIPLE SCLEROSIS: INVESTIGATION OF THE MECHANISMS

Fabiana Rizzo ⁽¹⁾ - Elena Giacomini ⁽¹⁾ - Martina Severa ⁽¹⁾ - Silvia Romano ⁽¹⁾ - Rosella Mechelli ⁽¹⁾ - Vito Antonio Gerardo Ricigliano ⁽¹⁾ - Marco Salvetti ⁽¹⁾ - Eliana Marina Coccia ⁽¹⁾

Department Of Infectious Diseases, Istituto Superiore Di Sanità, Roma, Italia ⁽¹⁾ - Department Of Neuroscience,, S. Andrea Hospital (la Sapienza University), Roma, Italia ⁽¹⁾

35 - GFAP LEVELS IN THE CEREBROSPINAL FLUID OF PATIENTS WITH NEUROMYELITIS OPTICA: A REAL DISEASE-SPECIFIC MARKER?

Ermanna Turano ⁽¹⁾ - Francesca Calabria ⁽¹⁾ - Alessia Farinazzo ⁽¹⁾ - Francesca Rossi ⁽¹⁾ - Bruno Bonetti ⁽¹⁾
Department Of Neurological And Movement Sciences, University Of Verona, Verona, Italy ⁽¹⁾

12 - IN-VIVO MRI AND EX-VIVO CONFOCAL ANALYSIS OF DEMYELINATION IN THE CUPRIZONE MODEL

Laura Turati ⁽¹⁾ - Chiara Cordiglieri ⁽¹⁾ - Alfonso Mastropietro ⁽¹⁾ - Ileana Zucca ⁽¹⁾ - Greta Brenna ⁽¹⁾ - Renato Mantegazza ⁽¹⁾ - Ludovico Minati ⁽¹⁾ - Fuvio Baggi ⁽¹⁾

Neurological Institute "carlo Besta", Neuroimmunology And Neuromuscular Diseases Unit, Milan, Italy ⁽¹⁾ - Neurological Institute "carlo Besta", Scientific Department, Milan, Italy ⁽¹⁾



14:30 – 16:30 **Session 3: Immune Therapy**

Chairs: Gianvito Martino (Italy) – Antonio Uccelli (Italy)

14:30 **REGULATORY CIRCUITS MEDIATED BY LECTIN-GLYCAN INTERACTIONS IN AUTOIMMUNE NEUROINFLAMMATION**

Gabriel A. Rabinovich

Laboratorio de Immunopatologia, Instituto de Biologia Y Medicina Experimental (ibyme), Consejo Nacional de Investigaciones Cientificas y Técnicas, Buenos Aires, Argentina

15:15 **Oral Communications**

1 - B CELL AND MONOCYTE CROSSTALK UNVEILS A NOVEL TLR7-REGULATED EFFECT OF IFN- γ ; THERAPY IN MULTIPLE SCLEROSIS PATIENTS

Elena Giacomini.....15:15

Department Of Infectious, Parasitic And Immunomediated Diseases, Istituto Superiore Di Sanità, Rome, Italy

2 - DISTINCT MODULATION OF HUMAN MYELOID AND PLASMACYTOID DENDRITIC CELLS BY ANANDAMIDE IN MULTIPLE SCLEROSIS

Valerio Chiurchiu.....15:30

Neurochemistry Of Lipids, Santa Lucia Foundation, Rome, Italy

29 - INTRATHECAL TRANSPLANTATION OF NEURAL STEM/PRECURSOR CELLS HAMPERS THE CNS-CONFINED IMMUNE RESPONSE OF EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS

Donatella De Feo15:45

Neuroimmunology Unit, Institute Of Experimental Neurology, San Raffaele Hospital And University Vita-salute San Raffaele, Milan, Italy

34 - MESENCHYMAL ADIPOSE-STEM CELLS EXOSOMES INNOVATIVE THERAPEUTIC APPROACH FOR NEUROPROTECTION AND NEUROREGENERATION

Alessia Farinazzo16:00

Department Of Neurological And Movement Sciences, University Of Verona, Verona, Italy

30 - HETERODIMERIC CYTOKINES AS GENE THERAPY OF NEUROINFLAMMATION

Giacomo Casella.....16:15

Istituto Scientifico San Raffaele, Università Vita-salute, Milano, Italy ⁽¹⁾

16:30 **AINI Awards**

16:45 **Closing remarks**

**AINI
Symposium**

Friday, August 23rd, 2013

Amber 5-6



15:10 – 18:10

Symposium:

THE NEUROBIOLOGY OF THE IMMUNE SYSTEM

Chairs: Carlo Avolio (Italy) – Antonio Uccelli (Italy)

44 - IMMUNITY SHAPES BRAIN FUNCTION IN HEALTH, DISEASE AND AGING: SPECIFICITY, LOCATION AND MECHANISM

Michal Schwartz15:10

The Department Of Neurobiology, Weizmann Institute Of Science, Rehovot, Israel

42 - FROM TISSUE HOMEOSTASIS TO REPAIR: THE ROLE OF NEURAL STEM CELLS IN BRAIN REGENERATION

Gianvito Martino15:40

Institute Of Experimental Neurology (inspe), Division Of Neuroscience, San Raffaele Scientific Institute, Milan, Italy

41 - STROKE, STEM CELLS AND INFLAMMATION

Zaal Kokaia16:10

Stem Cell & Restorative Neurology, Lund Stem Cell Center, University Hospital, Lund, Sweden

43 - GENES AND LIFESTYLE/ENVIRONMENTAL FACTORS IN MS

Tomas Olsson16:40

Department Of Clinical Neuroscience, Karolinska Institutet, Stockholm, Sweden,

39 - EBV SPECIFIC CD8+ T CELLS IN MULTIPLE SCLEROSIS

Luca Battistini17:10

Neuroimmunology Unit, Santa Lucia Foundation Scientific Institute, Rome, Italy

40 - MICROGLIA MICROVESICLES: A PATHOGENIC AND PROGNOSTIC ROLE IS NEUROINFLAMMATORY AND NEURODEGENERATIVE CONDITIONS

Roberto Furlan17:40

Clinical Neuroimmunology Unit – DIBIT San Raffaele Scientific Institute, Milan, Italy

18:15

AINI General Assembly

