

Thursday September 30th, 2010

14:15 – 14:30 **Opening Addresses**

GV. Martino – Italian Association of Neuroimmunology
D. Karussis – Israel Society of Neuroimmunology
F. Cornelio – Neurological Institute Foundation “Carlo Besta” Milan

Session 1. Immunogenetics

Chairs: M. Salvetti and A. Miller

- 14:30 **67 - Touring, sequencing and understanding the MS genome**
Jorge R. Oksenberg, Department of Neurology, University of California, San Francisco, CA, USA
- 15:00 **74 - Pharmacogenetics and translation towards tailored therapeutics in Multiple Sclerosis**
Ariel Miller, Multiple Sclerosis & Brain Research Center, Rappaport Faculty of Medicine & Research Institute, Haifa, Israel

Selected oral communications

- 15:30 **4 - Differential miRNAs expression profile between Treg versus T effector cells in course of Multiple Sclerosis**
Giuseppe De Santis, Clinical Neuroimmunology Unit, Institute of Experimental Neurology, Division of Neuroscience, San Raffaele Scientific Institute ~ Milan
- 15:45 **22 - Transcriptional analysis of seven MS-associated genes after ex vivo stimulation with LPS/PMA**
Simona Perga, Istituto Scientifico della Fondazione Cavalieri Ottolenghi, University Hospital San Luigi Gonzaga ~ Orbassano (TO)
- 16:00 **1 - Mbp 85-99-specific tcr repertoire in dr2+ untreated patients affected by multiple sclerosis at disease diagnosis**
Gabriele Di Sante, Institute of General Pathology, Catholic University, Policlinico Gemelli

16:15 - 16:45 Coffee break

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- 16:45 **17 - Sexual dimorphism in multiple sclerosis is characterized by cohesive biological processes and interactomes: a gender-based case-control blood transcriptome study**
Ramesh Menon, Neuroimmunology and Neuromuscular Disorders Unit, Foundation IRCCS Neurological Institute Carlo Besta ~ Milano
- 17:00 **18 - Dysregulated expression pattern of anti-inflammatory transcripts in monocytes and T lymphocytes from patients with Multiple Sclerosis**
Francesca Gilli, Istituto scientifico della Fondazione Cavalieri Ottolenghi, University Hospital San Luigi Gonzaga, ~ Orbassano (TO)
- 17:15 **28 - Sustained antigen-dependent activation in chronic experimental autoimmune encephalomyelitis: a two-photon microscopy study**
Barbara Rossi, University of Verona, Department of Pathology and Diagnostics, Division of General Pathology ~ Verona
- 17:30 - 18:30 AINI General Assembly**
- 20:30 Get-together Reception**



Friday October 1st, 2010

Session 2. Cell-Cell Signaling I

Chairs: R. Pedotti and R. Furlan

- 9:00 **72 - The activation dialogue at the T cell/APC immunological synapses**
Salvatore Valitutti, INSERM U563, CHU-Purpan, Toulouse, France

Selected oral communications

- 09:30 **2 - inhibition of immune synapse by altered dendritic cell actin distribution: a new pathway of mesenchymal stem cell immune regulation**
Alessandra Aldinucci, University of Florence ~ Florence
- 09:45 **41 - Leptin controls survival and proliferation of autoreactive CD4+ T cells through the nutrient/energy-sensing mTOR signalling pathway**
Mario Galgani, Istituto di Endocrinologia e Oncologia Sperimentale, Consiglio Nazionale delle Ricerche (IEOS-CNR) ~ Napoli
- 10:00 **14 - T-cell immunoglobulin- and mucin-domain-containing molecule (TIM)-1 mediates leukocyte trafficking in experimental autoimmune encephalomyelitis**
Stefano Angiari, Department of Pathology and Diagnostics, Division of General Pathology, University of Verona ~ Verona
- 10:15 **37 - 2D immunomic approach for the study of IgG autoantibodies in the experimental model of multiple sclerosis**
Alessia Farinazzo, Department of Neurological Sciences and Vision, University of Verona, Italy ~ Verona

10:30 - 11:00 **Coffee break**

Session 2. Cell-Cell Signaling II

G. Matarese and S. Sotgiu

- 11:00 **76 - Astrocyte-mediated synaptic modulation requires TNFalpha**
A. Volterra, Department of Cell Biology and Morphology, University of Lausanne, Switzerland

Friday October 1st, 2010

Selected oral communications

- 11:30 **Title and author's name to be advised**
- 11:45 **12 - Chitin in Alzheimer's disease: Role of microglia in a novel cytotoxic pathway**
Ermanna Turano, Department of Neurological Sciences and Vision, University of Verona ~ Italy
- 12:00 **35 - Role of IL-25 on innate glial response and leukocyte infiltration in the Central Nervous System**
Chiara Maiorino, Clinical Neuroimmunology Unit, Division of Neuroscience – INSPE, San Raffaele Scientific Institute ~ Milan
- 12:15 **58 - Where neuromyelitis optica (NMO) meet MS**
Adi Vaknin-Dembinsky, Department of Neurology and Laboratory of Neuroimmunology, and the Agnes-Ginges Center for Neurogenetics, Hadassah-Hebrew University Hospital, Ein-Karem, Jerusalem, Israel.
- 12:30 - 14:30 **Buffet Lunch**

Session 3. Immune Surveillance and Neuroprotection

Chairs: G. Constantin and M. Schwartz

- 14:30 **59 – GM-CSF secretion by TH cells is mediated by ROR t and essential for autoimmune neuro-inflammation**
Burkhard Becher, Institute of Experimental Immunology, University Hospital of Zurich, Switzerland

Selected oral communications

- 15:00 **57 - Controlling neuroinflammation by the immune cholinergic system**
Talma Brenner, Department of Neurology, The Agnes Ginges Center for human Neurogenetics, Hadassah-Hebrew-University Medical Center, Jerusalem, Israel

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15.15 **23 - Immunomodulatory role of anandamide in innate and adaptive immune cells in MS patients**
Valerio Chiurchiù, Neuroimmunology Unit, Santa Lucia Foundation
~ Roma

15:30 **54 - Oxidative stress imbalance and decreased glutamate uptake in patients with multiple sclerosis: any possible relationship?**
Maira Gironi, Fondazione Don C Gnocchi, IRCCS, Milano ~ milano

15:45 – 16:15 Coffee break

16:15 **70 - Immunology of the mind: a missing link between normal functions and disorders**
Michal Schwartz, The Weizmann Institute of Science, Rehovot, Israel

Selected oral communications

16:45 **27 - Two-photon microscopy studies of Th17 cell trafficking in an experimental model of epilepsy**
Elena Zenaro, Department of Pathology and Diagnostics ~ Verona

17:00 **46 - Natalizumab as treatment option of refractory epilepsy in multiple sclerosis**
Chiara Buscarinu, Section of Neurology, Department of Neuroscience, University of Sassari. ~ Sassari

17:15 **52 - Anti-nmdar antibody encephalitis: an emerging cause of treatable immune-mediated disorder of central nervous system**
Marco Zoccarato, Dipartimento di Neuroscienze - Università di Padova
~ Padova

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17:30 – 18:30 Poster session 1

3 - Distribution of Neuropilin-1 expressing thymocytes in thymoma and hyperplastic thymus associated with Myasthenia gravis

Valentina Catzola^[1], Alessandra Battaglia^[1], Andrea Fattorossi^[1], Alexia Buzzonetti^[1], Libero Lauriola^[2], Enrica Martinelli^[1], Amelia Evoli^[3]
- ^[1]Immunol. Lab., Gynecol. Oncol, Univ. Cattolica S. Cuore ~ Rome, Italy -
^[2]Pathology Department, Univ. Cattolica S. Cuore ~ Rome, Italy -
^[3]Neuroscience Department, Univ. Cattolica S. Cuore ~ , Rome, Italy

7 - Involvement of circulating Perforin+ CD8+ T cells and NK cells in MS disability progression

Giovanni Frisullo^[1], Raffaele Iorio^[1], Domenico Plantone^[1], Alessandro Marti^[1], Viviana Nociti^[1], Agata Katia Patanella^[1], Pietro Attilio Tonali^[1], Anna Paola Batocchi^{*[1]}
- ^[1]Institute of Neurology, Department of Neurosciences, Catholic University ~ Rome

9 - Neutrophil contribution and immunoglobulin effect on Dark Agouti Experimental Autoimmune Encephalomyelitis

Elisa Ballarini^{*[1]}, Valentina Carozzi^[1], Annalisa Canta^[1], Alessia Chiorazzi^[1], Cristina Meregalli^[1], Federica Avezza^[1], Luca Crippa^[2], Norberto Oggioni^[1], Guido Cavaletti^[1], Roberta Rigolio^[1]
- ^[1]University of Milan Bicocca, Department of Neuroscience and Biomedical Technologies ~ Milan - ^[2]ISTOVET ~ Villa Raverio di Besana Brianza

15 - Modification of meningeal stem/progenitor cells and meningeal niche in immunodeficient mice

Silvia Pretto^{*[1]}, Francesco Bifari^[2], Ilaria Decimo^[1], Emanuela Bersan^[1], Noga Ron-Harel^[3], Nataly Mirlas^[3], Giorgio Malpeli^[4], Mauro Krampera^[2], Guido Fumagalli^[1], Michal Schwartz^[3]
- ^[1]Dep. of Public Health and Community Medicine, Section of Pharmacology, University of Verona ~ Verona, Italy - ^[2]Dep. of Clinical and Experimental Medicine, Stem Cell Research Lab., Section of Ematology, University of Verona, Italy - ^[3]Dep. of Neurobiology, The Weizmann Institute of Science, Rehovot, Israel - ^[4]Dep. of Pathology, Section of Pathological Anatomy, University of Verona, Italy

19 - Effects of IFN- β therapy on the expression of Epstein-Barr virus transcripts in PBMC of patients with Relapsing-Remitting Multiple Sclerosis

Fabiana Rizzo^{*[2]}, Martina Severa^[1], Elena Giacomini^[1], Rosella Mechelli^[3], Viviana Annibali^[3], Marco Salvetti^[3], Eliana Coccia^[1] (Roma)
- ^[1]Istituto Superiore di Sanità ~ Roma - ^[2]Istituto Superiore di Sanità ~ Roma - ^[3]Università La Sapienza ~ Roma

21 - Type-1 response in peripheral CD4+ and CD8+ T cells from patients with Multiple Sclerosis

Nicole Navone^{*[1]}, Simona Perga^[1], Paola Valentino^[1], Fabiana Marnetto^[1], Maria Malentacchi^[2], Francesca Sperli^[2], Francesca Gilli^[1], Antonio Bertolotto^[2] (Orbassano)
- ^[1]Istituto scientifico della Fondazione Cavalieri Ottolenghi, University Hospital San Luigi Gonzaga ~ Orbassano (TO) - ^[2]SCDO: Neurologia 2 – Centro Sclerosi Multipla (CRESM), University Hospital San Luigi ~ Orbassano (TO)



24 - Post marketing evaluation of a multiparametric immunofluorescence assay for the detection of anti-Aquaporin 4 antibodies in the diagnosis of Neuromyelitis Optica

Letizia Granieri^{*[1]}, Fabiana Marnetto^[1], Paola Valentino^[1], Jessica Frau^[2], Agata Katia Patanella^[3], Petra Nytrova^[4], Patrizia Sola^[5], Francesca Gilli^[1], Marco Capobianco^[1], Arianna Sala^[1], Klaus Peter Wandinger^[6], Antonio Bertolotto^[1]
- ^[1]ISCDO: Neurologia 2 - Centro Sclerosi Multipla (CReSM), AOU S. Luigi Gonzaga, Orbassano ~ Torino - ^[2]Centro Sclerosi Multipla, Dipartimento di Scienze Neurologiche e Cardiovascolari, Università degli Studi di Cagliari ~ Cagliari - ^[3]Centro Sclerosi Multipla, Dipartimento di Neuroscienze, Policlinico Universitario Agostino Gemelli ~ Roma - ^[4]Department of Neurology, Charles University in Prague, 1st Faculty of Medicine and General Teaching Hospital ~ Praga - ^[5]Centro Sclerosi Multipla, Ospedale di Modena ~ Modena - ^[6]Euroimmun, Lubek, Germany ~ Germany

25 - Both Th1 and Th2 activated microglia increase the shedding of plasma membrane derived microparticles

Livia Garzetti^{*[4]}, Alessandra Bergami^[4], Elena Turola^[3], Gianvito Martino^[4], Claudia Verderio^[3], Roberto Furlan^[4] (Milan)
- ^[3]Department of Neuroscience, CNR ~ Milan - ^[4]Institute of Experimental Neurology - INSPE, Division of Neuroscience, San Raffaele Scientific Institute ~ Milan

36 - Rare and minute reactivation of jc virus in natalizumab long-term treated multiple sclerosis patients: a cross sectional multicenter study

Alice Laroni^{*[2]}, Luigi Grimaldi^[3], Claudio Giacomazzi^[4], Jennifer McDermott^[4], Isabella Martini^[4], Gaetano Vitello^[3], Francesca Rinaldi^[5], Valentina Militello^[6], Luisa Barzon^[6], Maria Pia Sormani^[7], Elisabetta Capello^[2], Ilaria Gandoglia^[2], Paolo Gallo^[5], Giorgio Palù^[6], Antonio Uccelli^[2], Giovanni Luigi Mancardi^[2], Oliviero e Varnier^[4] (Genoa)
- ^[2]Department of Neuroscience, Ophthalmology and Genetics (DINO), University of Genova, Italy. ~ Genoa - ^[3]Division of Neurology, Fondazione Istituto San Raffaele "G. Giglio", Cefalù ~ Cefalù - ^[4]Laboratory of Microbiology and Virology, University of Genova ~ Genoa - ^[5]Padova University Hospital and 6Neurology Unit, Department of Neurosciences, University of Padova ~ Padova - ^[6]Laboratory of Microbiology and Virology, Padova University Hospital ~ Padova - ^[7]Biostatistics Unit, Department of Health Sciences (DISSAL), University of Genova ~ Genoa

42 - Epstein-barr virus genotypes in multiple sclerosis patients and healthy controls

Claudia Policano^{*[1]}, Rosella Mechelli^[1], Danila Vittori^[1], Eleni Anastasiadou^[4], Viviana Annibali^[1], Giulia Coarelli^[1], Stefania Cannoni^[1], Carlo Mattei^[1], Alberto Faggioni^[4], Pankaj Trivedi^[4], Francesca Aloisi^[3], Giovanni Ristori^[1], Marco Salvetti^[1]
- ^[1]Centre for Experimental Neurological Therapies (CENTERS)-Sapienza University-S. Andrea Hospital ~ Rome - ^[3] Department of Cell Biology and Neuroscience, Istituto Superiore di Sanità ~ Rome - ^[4]Department of Experimental Medicine and Pathology, Istituto Pasteur-Fondazione Cenci-Bolognetti, Sapienza University ~ Rome

55 - In vitro effect of human mesenchymal stem cells on some molecules involved in leukocytes trafficking and inflammation into the central nervous system: a flow cytometric study on T blast cells

Federica Benvenuto^{*[1]}, Laura Vergani^[2], Cristina Lanza^[2], Francesca Gualandi^[3], Enrico Carminati^[2], Federico Ivaldi^[1], Adriana Voci^[2], Gianluigi Mancardi^[1], Antonio Uccelli^[1] (Genoa)
- ^[1]1 Neuroimmunology Unit, Department of Neurosciences, Ophthalmology and Genetics, University of Genova, Italy. ~ Genoa - ^[2]3Department of Biology, University of Genova, Genoa, Italy ~ Genoa - ^[3] Department of Haematology, San Martino Hospital, Genoa, Italy ~ Genoa

Saturday October 2nd, 2010

Session 4. Immunological Tolerance and the Thymus

Chairs: S. Berrih-Aknin and R. Mantegazza

- 09:00 **66 - How promiscuity promotes tolerance: lessons from the thymus**
Bruno Kyewski, Division of Developmental Immunology, German Cancer Research Center, Heidelberg, Germany

Selected oral communications

- 09:30 **47 - Increased expression of Toll-like receptors 7 and 9 in Epstein-Barr virus-positive myasthenia gravis thymus**
Paola Cavalcante, Neurologia IV, Fondazione IRCCS Istituto Neurologico "Carlo Besta" ~ Milano
- 09:45 **45 - Laser capture microdissection in combination with real-time RT-PCR allows consistent detection of EBV latent and lytic gene transcripts in inflammatory infiltrates from the multiple sclerosis brain**
Barbara Serafini, Department of Cell Biology and Neuroscience Istituto Superiore di Sanità ~ Rome
- 10:00 **31 - Fine specificity of the b cell response to ebna-1 in multiple sclerosis patients and disease discordant twins**
Rosella Mechelli, Centre for Experimental Neurological Therapies (CENTERS)-S. Andrea Hospital-Sapienza University ~ Rome
- 10:15 **40 - Treg cells proliferative potential as marker of clinical immune tolerance in multiple sclerosis**
Fortunata Carbone, Istituto di Endocrinologia e Oncologia Sperimentale, Consiglio Nazionale delle Ricerche (IEOS-CNR) ~ Naples, Italy
- 10:30 - 11:00 **Coffee break**
- 11:00 **61 - Mechanisms of Treg defects in Myasthenia Gravis**
Sonia Berrih-Aknin, UMR UPMC-INSERM-CNRS-AIM, Paris, France
- 11:30 - 13:00 **AINI Symposium: "Liquor from bed to bench" Update on AINI Guidelines**
D. Franciotta and F. Lolli
- 13:00 - 14:30 **Buffet lunch**

Saturday October 2nd, 2010

Session 5. PNS Neuroimmunology

Chairs: S. Fuchs and A. Quattrini

- 14:30 **64 - Disease mechanisms in inflammatory myopathies**
Renato Mantegazza, Neurological Institute Foundation "Carlo Besta",
Milan, Italy

Selected oral communications

- 15:00 **44 - Experimental autoimmune myasthenia gravis is suppressed by anti-IL-6 treatment which shifts the balance between Th17 and Treg cells**
Miriam C. Souroujon, The Open University of Israel, Raanana, Israel
- 15:15 **53 - Treatment with CD4+CD25+ naïve T cells prevents Experimental Myasthenia Gravis but does not ameliorate the disease**
Fulvio Baggi, UO Neurologia IV, Fondazione Istituto Neurologico Carlo Besta ~ Milano
- 15:30 **49 - A in idiopathic inflammatory myopathies: a survival mechanism or a contributing factor to myopathy?**
Cristina Cappelletti, Fondazione Istituto Neurologico "Carlo Besta",
Neurology IV Unit, Milan ~ Milan
- 15:45 **33 - Cerebrospinal fluid oligoclonal IgM bands and disease outcome in Guillain-Barré Syndrome**
Diana Ferraro, University of Modena and Reggio Emilia ~ Modena
- 16:00 – 16:30 Coffee break**
- 16:30 **73 - Guillain-Barré syndrome, a fresh look at its pathogenesis.**
Itzhak Wirguin, Beer-Sheva, Rehovot and Petach-Tiqva, Israel

Selected oral communications

- 17:00 **10 - P2X7 purinergic receptor on monocytes of patients with Multiple Sclerosis: effects of Glatiramer Acetate immune modulation**
Mariantonietta Caragnano, Dept. of Medical and Occupational Sciences, University of Foggia ~ Foggia

Saturday October 2nd, 2010

17:15 11 - Haematopoietic stem cell mobilisation and re-arrangement of immune cell subsets following therapeutic alpha 4-integrin blockade in multiple sclerosis

Miriam Mattosio, Imperial College London ~ London. UK

17:30 20 - Occurrence of Neutralizing antibodies against IFNbeta does not predispose development of antibodies against Natalizumab in MS patients

Marzia Caldano, Istituto scientifico della Fondazione Cavalieri Ottolenghi, University Hospital San Luigi Gonzaga, ~ Orbassano (TO)

17:45 39 - Ttherapeutic potential of adipose-derived msc in experimental models of neurological diseases

Silvia Marconi, Department of Neurological Sciences, University of Verona ~ Verona

18:00 – 19:00 Poster session 1

5 - Familial occurrence of MuSK antibody positive myasthenia gravis: a HLA study

Davide Corda^{*[1]}, Giovanni Andrea Deiana^[1], Marina Mulargia^[2], Maria Immacolata Pirastru^[1], Maria Giovanna Piluzza^[1], Giuseppe Zucca^[1], Maria Serra^[2], Carlo Carcassi^[2], GianPietro Sechi^[1]
- ^[1]University of Sassari ~ Sassari - ^[2]University of Cagliari ~ Cagliari

6 - Immunologic investigations in Amyotrophic Lateral Sclerosis: are cytokines polymorphisms and genes expression associated in lymphocytes of SALS patients?

Stella Gagliardi^[1], Chiara Boiocchi^[2], Pamela Milani^[1], Elena Alvisi^[3], mauro Ceroni^[3], MariaClara Cuccia^[2], Cristina Cereda^[1]
- ^[1]Lab. of Experimental Neurobiology, IRCCS Neurological National Institute "C.Mondino" ~ Pavia
- ^[2]Department of Genetics and Microbiology, University of Pavia ~ Pavia - ^[3]Department of Neurological Sciences, University of Pavia, Division of General Neurology, IRCCS National Neurological Institute "C. Mondino", ~ Pavia

8 - Aggressive Guillain Barrè Syndrome: a red flag to think of hidden tumors

Sara La Gioia^{*[1]}, Mariarosa Rottoli^[2], Raffaella Fazio ^[1], Marco Poloni ^[2]
- ^[1]IRCCS San Raffaele, Dipartimento di Neurologia ~ Milano
- ^[2]Ospedali Riuniti, Dipartimento di Chirurgia del Sistema Nervoso Centrale e Neuroscienze ~ Bergamo

29 - Methodological issues in Cystatin C evaluation in Multiple sclerosis

Maria Di Iorio^{*[3]}, Ivana Cataldo^[5], Damiana Pieragostino^[6], Piero Del Boccio^[6], Mariarosaria Flacco^[5], Francesca Petrucci^[6], Valeria Di Tommaso^[2], Giovanna De Luca^[3], Alessandra Lugaresi^[3] (Chieti)
- ^[2]Dept. Neuroscience & Imaging ~ Chieti - ^[3]Dept. Neuroscience & Imaging - University "G. D'Annunzio" ~ Chieti - ^[5]Lab. Clinical Pathology- "St. Annunziata Hospital" ~ Chieti - ^[6]Dept. Biochemical Sciences- University "G. D'Annunzio" ~ Chieti

Saturday October 2nd, 2010**30 - Polymorphisms of RAGE gene are they in some way implicated in ALS?**Chiara Boiocchi^{*[1]}, Stella Gagliardi^[2], Sara Bozzini^[1], Mariacarla Cuccia^[1], Cristina Cereda^[2]- ^[1]Immunogenetic Laboratory, Department of Genetic and Microbiology, University of Pavia ~ Pavia - ^[2]Laboratory of Experimental Neurobiology, IRCCS National Neurological Institute "C. Mondino" ~ Pavia**34 - Hhv-6 and ebv antibodies in serum of primary progressive, relapsing- remitting and clinical isolated syndrome patient**Anna Maria Simone^[1], Patrizia Sola ^[1], Diana Ferraro ^{*[1]}, Marisa Meacci ^[2], Monica Pecorari ^[2], Elisa Merelli ^[1]- ^[1]University of Modena and Reggio Emilia ~ Modena - ^[2]Microbiology and Virology, University di Modena e Reggio Emilia, ~ Modena**38 - Autoantibodies to myelin basic protein in patients with chronic polyneuropathy vs. healthy donors**Domenica Saccomanno^{*[1]}, Gianna Ulzi^[1], Francesco Fortunato^[1], Marinella Carpo^[2], Giacomo Pietro Comi^[1], Nereo Bresolin^[1]- ^[1]Department of Neurological Sciences, Centro Dino Ferrari, University of Milan, Fondazione IRCCS Ca' Granda -Ospedale Maggiore Policlinico ~ Milano - ^[2]Neurology Service, Az. Osp. Treviglio ~ Treviglio (Bg)**43 - Diagnostic value of immunoglobulin's free light chain detection in CSF by immunonephelometry**Gaetano Bernardi^{*[1]}, E. Corsini^[2], D. Croci^[2] (Milano)- ^[1]Fondazione IRCCS INN Besta ~ Milano - ^[2]Lab. Clinical Pathology and Medical Genetics, Fondazione IRCCS C. Besta, Milano**48 - Thiopurine-S-methyltransferase allelic variants and response to azathioprine in myasthenia gravis patients**Lara Colleoni^{*[1]}, Pia Bernasconi^[1], Lorenzo Maggi^[1], Fulvio Baggi^[1], Paola Cavalcante^[1], Eleonora Canioni^[1], Paolo Confalonieri^[1], Carlo Antozzi^[1], Renato Mantegazza^[1] (Milano)- ^[1]Neurologia IV, Fondazione IRCCS Istituto Neurologico "Carlo Besta" ~ Milano**50 - Sparc deficiency perturbs th17 development and delays the onset of experimental autoimmune encephalomyelitis**Silvia Musio^{*[1]}, Silvia Piconese^[2], Massimo Costanza^[1], Luigi Poliani^[3], Rosetta Pedotti^[1], Mario Paolo Colombo^[2] (Milan)- ^[1]Neurological Institute Foundation 'C. Besta' ~ Milan, Italy - ^[2]Fondazione IRCCS 'Istituto Nazionale dei Tumori' ~ Milan, Italy - ^[3]University of Brescia ~ Brescia, Italy**56 - Encephalitis lethargica syndrome: an anti basal ganglia-mediated autoimmune response?**Sara Franzì^{*[1]}, Federica Zibordi^[2], Francesca Andreetta^[1], Ornella Simoncini^[1], Nardo Nardocci^[2], Renato Mantegazza^[1], Pia Bernasconi^[1]- ^[1]Fondazione Istituto Neurologico "Carlo Besta", Neurology IV Unit, Milan ~ Milan -^[2]Fondazione Istituto Neurologico "Carlo Besta", Department of Child Neurology, Milan ~ Milan

Sunday October 3rd, 2010

Session 6. Immunotherapy

Chairs: C. Avolio and R. Milo

- 09:00 **63 - Harnessing biologic therapy to understand and reverse abnormal immune regulation in inflammation**
Michael Ehrenstein, Department of Medicine, University College London, London, UK
- 09:30 **62 - Exploring neuroprotective strategies in Multiple Sclerosis**
Diego Centonze, Clinica Neurologica, Università Tor Vergata & Fondazione Santa Lucia, Rome, Italy
- 09:50 **51 - Combination therapy in demyelinating diseases: rationale, experience and prospects**
Ron Milo, Department of Neurology, Barzilai Medical Center, Ashkelon, and Faculty of Health Sciences, Ben-Gurion University, Beer-Sheva, Israel
- 10:10 **75 - Immune-based therapeutic approaches to Alzheimer's Disease**
Alon Monsonego, The National Institute of Biotechnology, Ben-Gurion University of the Negev, Beer-Sheva, Israel
- 10:30 **69 - Immunotherapy of Alzheimer's disease**
Elio Scarpini, Dipartimento di Scienze Neurologiche, Fondazione IRCCS Cà Granda - Ospedale Maggiore Policlinico, Milan, Italy
- 10:50 - 11:20 **Coffee break**

Update on Stem Cells Therapy in Neuroimmunological and Neurodegenerative Disorders

Chairs: D. Karussis and S. Pluchino

- 11:20 **68 - Everything but not cell replacement with somatic neural stem cell transplantation**
Stefano Pluchino, CNS Repair Unit, Institute of Experimental Neurology at DIBIT2, San Raffaele Scientific Institute, Milan, Italy
- 11:40 **71 - Mesenchymal stem cells: how and where they exert their therapeutic features**
Antonio Uccelli, Department of Neurosciences, Ophthalmology and Genetics, University of Genoa, Italy

Sunday October 3rd, 2010

- 12:00 **65 - Bone Marrow Mesenchymal Stem Cells: Immunomodulatory and Neuroprotective effects and their possible application in MS and neuroinflammatory and neurodegenerative diseases**
Dimitrios Karussis, MS Center, Hadassah University Hospital, Laboratory of Neuroimmunology, Hadassah, Jerusalem, Israel
- 12.20 **60 - Neural Stem Cells for Neuroimmunological and Neurodegenerative diseases: the evidence, the mechanisms and the perspectives**
Tamir Ben-Hur, Department of Neurology, Hadassah University Medical Center, Jerusalem, Israel
- 12:40 – 12:50 **AINI Awards**
- 12:50 – 13:00 **Closing remarks**
- 13:00 – 14:00 **Farewell buffet**

