



Sunday, September 30

Palazzo della Ragione

XVII AINI Congress – XLIII AINP Congress – XXXIII AIRIC Congress

12:30 Registration of participants

Alboino Room

14:30–17:00 **FIRB Symposium**
Mechanisms of Neural Degeneration
Organized by O. Bugiani

Cangrande Room

14:30–17:00 **Joint symposium** of the Italian Associations of Neuroscience (SINS), Neuropathology (AINP) and Neuroimmunology (AINI)

Neuroinflammation at the crossroad of neurosciences
Chairs: M. Bentivoglio, N. Rizzuto, G. Martino

14:30 **Clinical features of Multiple Sclerosis and inflammatory demyelinating disorders of the central nervous system**
GL. Mancardi (Italy)

15:15 **Neuroinflammation and neurodegeneration**
M. Schwartz (Israel)

16:00 **Mechanisms of chronic inflammation in the central nervous system**
F. Aloisi (Italy)

Mastino Room

16:45 Welcome addresses

17:15 **Plenary lecture**
Chairs: A. Schenone, F. Aloisi

Multiple sclerosis: from neuropathology to neuroimmunology
C. Lucchinetti (USA)

18:30 *Welcome party: Wine and cheese tasting*



Monday, October 1

Palazzo della Gran Guardia

XVII AINI Congress

Sala Convegni Room

- 8:30-10:45 **Session I: Immune regulation in nervous system diseases**
Chairs: G. Matarese, L. Battistini
- 8:30 *Cytokine profile of CD4+Foxp3+ T cells in peripheral lymphoid organs and CNS during the course of relapsing EAE*
M. Esposito (Milan, Italy)
- 8:45 *Phenotypical and functional characterization of Regulatory T cells in healthy individuals and in patients affected by Multiple Sclerosis disease with and without treatment*
D. Di Mitri (Rome, Italy)
- 9:00 *Dopaminergic modulation of CD4+CD25+ regulatory T cells in multiple sclerosis patients: effect of interferon-beta*
M. Zaffaroni (Gallarate, VA, Italy)
- 9:15 *Adipose-derived mesenchymal stem cells and CNS: differentiation potential and immune suppression*
S. Marconi (Verona, Italy)
- 9:30 *Non cell-autonomous dysfunction of the endogenous brain stem cell compartment in mice with chronic brain inflammation*
S. Pluchino (Milan, Italy)
- 9:45 *Leptin and regulatory T cells: a novel link between immune tolerance, metabolic state and autoimmunity*
V. De Rosa (Napoli, Italy)
- 10:00 **TIM family in the regulation of autoimmune diseases**
V. Kuchroo (USA)
- 10:45-11:15 *Coffee break*



Monday, October 1

Palazzo della Gran Guardia

XLIII AINP Congress – XXXIII AIRIC Congress

Polifunzionale Room

- 08:30-10:30 **Comunicazioni Orali**
Malattie Neuromuscolari
Chairs: C.Angelini, T.Cavallaro
- 8:30 *Molecular and muscle pathological study in patients with Pompe and late onset glycogen storage disease type II (GSD II)*
C.Angelini, AC.Nascimbeni, M.Fanin, E.Tasca, P.Serdaroglu, M.Meznaric-Petrusa
Padova, Italy; Istanbul, Turkey; Ljubjana, Slovenja
- 8:45 *Biochemical and ultrastructural evidence of endoplasmic reticulum stress in LGMD2I*
C.Boito, BF.Gavassini, M.Fanin, G.Cenacchi, C.Angelini, E.Pegoraro
Padova and Bologna, Italy
- 9:00 *A caspase-dependent mitochondrially-regulated programmed cell death (pcd) concurs with regenerative events in slowly muscle-wasting mitochondrial diseases*
G.Vattemi, A.Chiarini, I.Dal Prà, P.Tonin, M.Marini, M.Di Chio, V.Tedesco, L.Grigoli, D.Benedetti, M.Filosto, N.Rizzuto, U.Armato, G.Tomelleri
Verona and Brescia, Italy
- 9:15 *Role of muscular biopsy in the diagnosis of drug-induced myopathies: a clinico-pathological study*
V.Maiarù, L.Tarantino, L.Badiali De Giorgi, M.Zavatta, R.D'Alessandro, R.Rinaldi, V.Carelli, GN.Martinelli, G.Cenacchi
Bologna, Italy
- 9:30 *Molecular characterization and amyloidogenicity of three variants of transthyretin (TTR)*
GE.Walker, L.Pradotto, S.Calderoni, A.Mauro
Piancavallo (VB) and Torino, Italy
- 9:45 *Inherited neuropathies related to myelin protein zero (P0): a pathological and immunoelectron microscopy study*
I.Cabrini, T.Cavallaro, S.Ferrari, F.Taioli, C.Angiari, M.Ferrarini, GM.Fabrizi, N.Rizzuto
Verona, Italy
- 10:00 *Notch protein pathway as novel pharmacological target for the neuronal axonopathies*
G.Ferrari-Toninelli, A.Bonini Sara, D.Uberti, N.Zambrano, T.Russo, M.Mem
Brescia and Napoli, Italy
- 10:15 *Role of the P2X7 receptor in the altered calcium homeostasis of Schwann cells overexpressing peripheral myelin protein 22 (PMP22)*
L.Nobbio, S.Bruzzzone, C.Usai, F.Fiorese, L.Sturla, I.Moreschi, F.Benvenuto, G.Basile, E.Zocchi, A.DeFlora, A.Schenone
Genova, Italy
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Genova, Italy
- 10:30-11:00 *Coffee break*



Monday, October 1

Palazzo della Gran Guardia

**Joint Session Italian Association of Neuroimmunology (AINI)
and Neuropathology (AINP)**

Sala Convegni Room

11:15-13:15 **Session II: Autoimmunity in PNS**
Chairs: N. Rizzuto, A. Uncini

11:15 **Immune circuitry in the peripheral nervous system**
B. Kieseier (Germany)

11:45 **Immunological aspects of inherited demyelination**
R. Martini (Germany)

12:15 **Pathology of immune-mediated neuropathies**
S. Ferrari (Italy)

12:45 **Clinical and pathological features of vasculitides associated with neuropathy**
A. Quattrini (Italy)

13:15-14:30 *Buffet lunch*



Monday, October 1

Palazzo della Gran Guardia

XVII AINI Congress

Posters Room and Sala Convegni Room

14:30-16:00 **Posters and coffee**

Chairs: G. Borsellino, D. Giunti, G. Ristori

Increased expression of T-bet in circulating B cells of a patient with Multiple Sclerosis and celiac disease

R. Iorio (Rome, Italy)

Monophasic longitudinally extensive myelitis. A case report

A.M. Musso (Verona, Italy)

Reversible paraneoplastic limbic encephalitis without antineural antibodies

S. Ottaviani (Verona, Italy)

Anti-neuropil antibodies in a patient with limbic encephalitis and breast cancer

M. Zoccarato (Padova, Italy)

Temporal epilepsy and psychosis with persistent oligoclonal bands and vanishing white matter lesion: atypical multiple sclerosis?

D. Travaglini (Chieti, Italy)

T regulatory cells in the hyperplastic thymus associated with myasthenia gravis and their modulation by immunosuppressive therapy

L. Peri (Rome, Italy)

Complement-mediated necrotizing myopathy: clinical and pathological features of a specific idiopathic inflammatory myopathy

F. Zappini (Verona, Italy)

IFN-g/IL10 imbalance and altered FOXP3 induction in PBLs from MG patients following antigen-stimulation

V. Nessi (Milan, Italy)

Neural differentiation potential of human adipose-derived adult stem cells

S. Marconi (Verona, Italy)

Polymorphisms of the Chitotriosidase and clinical expression of multiple sclerosis

G. Arru (Sassari, Italy)

Multiple sclerosis-associated retrovirus and IFN therapy: a correlation study

G. Arru (Sassari, Italy)

Intracisternal administration of MSC does not provide clinical advantage in comparison of intravenous injection

S. Morando (Genoa, Italy)

Interferon- α /b receptor (IFNAR) Gene Expression has a prognostic value for NABs Development in patients treated with interferon-b

P. Valentino (Orbassano, TO, Italy)



Clinical usefulness of NMO-IgG in the diagnosis of Neuromyelitis Optica
S. Matà (Firenze, Italy)

CNS human herpes virus-6 infection in "immunocompetent" adult patients
S. Matà (Firenze, Italy)

Dramatic improvement of follicular non-Hodgkin's neurolypphomatosis after rituximab therapy
M. Lucchetta (Padova, Italy)

Neuromyotonia associated with myasthenia gravis occurring after thymectomy for malignant thymic carcinoma
F. Grassivaro (Padova, Italy)



Monday, October 1

Palazzo della Gran Guardia

XLIII AINP Congress – XXXIII AIRIC Congress

Posters Room

14:30-16:00

Discussione Poster (P1-P15)

Malattie Neuromuscolari, Neuropatologia Clinica

Chairs: E.Pegoraro, G.Tomelleri

Malattie Neuromuscolari

- P1 Inclusion body myositis in a young Italian patient: a problem of differential diagnosis.*
M.Bandettini di Poggio, M.Grandis, A.Leonardi, D.Cassandrini, R.Massa, P.Mandich,
E.Bellone, E.Capello
Genova and Roma, Italy
- P2 Smooth Muscle Tumor of the Peripheral Nervous System: case report.*
F.Cerri, M.Franceschi, A.Gavazzi, P.Podini, S.Previtali, G.Comi, A.Quattrini.
Milano and Castellanza (VB), Italy
- P3 Preliminary approach to study satellite cell in human aging muscle.*
A.Corbu, L.Tarantino, L.Badiali, M.Zavatta, R.Rinaldi, E.Pegoraro, M.Fanin, C.Angelini,
GN.Martinelli, G.Cenacchi
Bologna and Padova, Italy
- P4 Muscle and EMG features of patients with PLS*
C.D'Ascenzo, G.Sorarù, M.Volpe, P.Nicolao, M.Fanin, A.Palmieri, E.Pegoraro, C.Angelini
Padova, Italy
- P5 Different muscle fiber atrophy in Achr-ab versus Musk antibody-positive Myasthenia Gravis*
S.Martignago, E.Albertini, G.Sorarù, C.Borsato, A Palmieri, M.Fanin, E.Pegoraro, C.Angelini
Padova, Italy
- P6 The role of PPAR-delta in CSF*
S.Pistolessi, G.Ali, C.Segnani, A.Dolfi, L.Volpi, G.Siciliano, G.Fontanini
Pisa, Italy
- P7 Autosomal dominant polycystic kidney disease and mitochondrial myopathy*
M.Scarpelli, M.Filosto, G.Tomelleri, G.Vattemi, P.Tonin
Verona and Brescia, Italy
- P8 Brody disease: a study in four patients*
G.Vattemi, F.Gualandi, A.Oosterhof, M.Marini, P.Tonin, D.De Grandis, Paola Rimessi,
M.Filosto, N.Rizzuto, A.Ferlini, G.Tomelleri
Verona, Ferrara, Rovigo, Brescia, Italy; Nijmegen, the Netherlands
- P9 Sarcoidosis and inclusion-body myositis: a close relationship?*
G.Vattemi, P.Tonin, M.Marini, ML.Guadagnin, B.Dal Pra, M.Filosto, G.Tomelleri
Verona, Thiene, Brescia, Italy



- P10** *Peripheral neuropathy in Ebf2 null mice*
V.LaPadula, A.Schenone, C.Giacomini, L.Goutebroze, J.A.Girault, GG.Consalez,
F.Benfenati, A.Corradi
Genova and Milano, Italy; Paris, France
- P11** *Treatment of the Charcot-Marie-Tooth type 1A (CMT1A) rat model with Acetyl-L-carnitine (ALC)*
F.Fiorese, M.Leandri, M.Saturno, R.Nicolai, M.Iannuccelli, G.Gherardi, E.Fiorina,
A.Schenone, L.Nobbio
Genova and Pomezia, Italy

Neuropatologia Clinica

- P12** *Spinal cord compression due to extramedullary haematopoiesis secondary to idiopathic myelofibrosis*
M.Serena, E.Orvieto, M.Vianello, R.Vitaliani, M.Ronzon, PM.Stefani, B.Giometto
Treviso, Italy
- P13** *Progressive multifocal leukoencephalopathy in Good's syndrome*
G.Squintani, E.Bazzoli, R.Eleopra, M.Omesti, G.Michieli, T.Cavallaro, N.Rizzuto, S.Monaco,
S.Ferrari
Mestre and Verona, Italy
- P14** *Diffuse cortical dysplasia in a dog with refractory seizures*
C.Salvadori, C.Cantile, A.Simonati
Pisa and Verona, Italy
- P15** *Gender-specific influence of the chromosome 16 chemokine gene cluster on the susceptibility to multiple sclerosis*
D. Scalabrini, D.Galimberti, C.Fenoglio, M.De Riz, C.Comi, E.Venturelli, F.Cortini, M.Piola,
U.Dianzani, M.Leone, F.Monaco, N.Bresolin, E.Scarpini
Milano and Novara, Italy



Monday, October 1

Palazzo della Gran Guardia

Joint Symposium Italian Association of Neuroimmunology (AINI) and Neuropathology (AINP)

Sala Convegni Room

- 16:00-18:00 **Symposium: In vivo imaging of the nervous system**
Chairs: A. Uccelli, A. Sbarbati
- 16:00 **In vivo imaging of axonal degeneration and regeneration**
M. Kerschensteiner (Germany)
- 16:30 **Visualization of immune cells in inflammatory brain diseases**
A. Flugel (Germany)
- 17:00 **CNS damage by positron-emission tomography**
B. Stankoff (France)
- 17:30 **Intracellular signaling molecules in neurodegenerative diseases**
P. Pinton (Italy)

Sala Convegni Room

- 18:00-19:00 AINI – Italian Association of Neuroimmunology
General Assembly

Polifunzionale Room

- 18:00-19:00 AINP – Italian Association of Neuropathology
General Assembly



Tuesday, October 2

Palazzo della Gran Guardia

XVII AINI Congress

Sala Convegni Room

8:30-10:45 **Session III: Autoimmunity in muscle**

Chairs: C. Antozzi, A. Evoli

- 8:30 *Exploring the link between innate immunity and autoimmunity in myasthenia gravis: a study of TLR4-mediated pathways in thymic epithelial cells*
P. Cavalcante (Milan, Italy)
- 8:45 *The involvement of the innate immune system in the pathophysiology of idiopathic inflammatory myopathies: a new insight*
C. Cappelletti (Milan, Italy)
- 9:00 *HLA allele frequency in MUSK-positive and ACHR-positive myasthenia gravis*
E. Bartoccioni (Rome, Italy)
- 9:15 *Identification and characterization of immune-mediated myofibrillar myopathy*
M. Marini (Verona, Italy)
- 9:30 *BDNF and its receptors are consistently expressed in human thymus: implications for cell fate in thymic physiology and myasthenia gravis-associated pathology*
A. Berzi (Milan, Italy)
- 9:45 *T cell response to GM1 ganglioside in Guillain-Barré syndrome patients post-Campylobacter jejuni infection*
M.T. Cencioni (Rome, Italy)
- 10:00 **Immunobiology of muscle**
G. Vattermi (Italy)
- 10:45-11:15 *Coffee break*



Tuesday, October 2

Palazzo della Gran Guardia

XLIII AINP Congress – XXXIII AIRIC Congress

Polifunzionale Room

08:30-09:15 **Presentazione Casi Clinico-Patologici**

Chair: G.Moretto

09:15-10:30 **Comunicazioni Orali**

Malattie da Prioni

Chair: S.Monaco

9:15

Conversion of the BASE prion into the BSE prion: the origin of BSE?

F.Tagliavini, S.Suardi, C.Casalone, M.Mangieri, L.Limido, M.Catania, G.Rossi, G.Giaccone, D.Gelmetti, G.Zanusso, S.Monaco, M.Caramelli, R.Capobianco
Milano, Torino, Verona, Italy

9:30

BASE transmitted to primates and MV2 sCJD subtype share PrP27-30 and PrPSc C-terminal truncated fragments

M.Fiorini, GL.Zanusso, E.Commo, E.Fasoli, N.Lescoutra, M-M.Ruchoux, C.Casalone, M.Caramelli, S.Ferrari, C.Lasmezas, JP.DeslysJ, S.Monaco
Verona and Torino, Italy; Fontenay-aux-Roses, France; Jupiter, USA

9:45

Experimental transmission of an atypical form of bovine spongiform encephalopathy (BASE) produces a muscle wasting disease in cattle

G.Zanusso, G.Lombardi, C.Casalone, A.D' Angelo, D.Gelmetti, G.Torcoli, I.Barbieri, C.Corona, E.Fasoli, A.Farinazzo, M.Fiorini, M.Gelati, B.Iulini, F.Tagliavini, S.Ferrari, S.Monaco, M.Caramelli, L.Cappucci
Verona, Brescia, Torino, Milano, Italy

Malattie Eredo-Degenerative I

Chair: G.Lus

10:00

Phosphodiesterases in experimental parkinsonism

M.Giorgi, M.Morello, V.D'Angelo, A.Martorana, Z.Esposito, V.Nuccetelli, G.Bernardi, G.Sancesario
Roma and L'Aquila, Italy

10.15

Neuropathology of transplantation of neural precursor cell into the central nervous system of an ALS patient.

MT.Giordana, S.Grifoni, B.Votta, R.Navone, C.Valentini, A.Calvo, A.Chiò
Torino, Italy

10:30-11:00

Coffee break



Tuesday, October 2

Palazzo della Gran Guardia

XVII AINI Congress

Sala Convegni Room

- 11:15-13:30 **Session IV: Blood brain barrier and leukocyte migration**
Chairs: G. Constantin, S. Pluchino
- 11:15 **Chemokines: Standing at the crossroads of immunobiology and neurobiology**
R. Ransohoff (USA)
- 12:00 *Receptor-activity-modifying-protein (RAMP) 3 expression on Human T cells*
E. Liverani (Bristol, UK)
- 12:15 *Role of Fucosyltransferase-VII and P-selectin glycoprotein ligand-1 in the migration of CD4+CD25+ regulatory T cells in inflamed brain*
S. Angiari (Verona, Italy)
- 12:30 *Characterization of spleen and spinal cord infiltrating lymphocytes during actively induced EAE in Lewis rats*
R. Rigolio (Monza, Italy)
- 12:45 *Host/environment interactions in EAE: the adjuvant modulates differently CD4 and CD8 mediated responses to CNS antigens: clues to the role of environment in MS development*
F. Ria (Rome, Italy)
- 13:00 *Histamine in immune regulation of the autoimmune response in experimental autoimmune encephalomyelitis*
M. Lapilla (Milan, Italy)
- 13:15 *Critical role for leukocyte-endothelial adhesion mechanisms in epilepsy*
M. Martinello (Verona, Italy)
- 13:30-14:45 *Buffet lunch*



Tuesday, October 2

Palazzo della Gran Guardia

XLIII AINP Congress – XXXIII AIRIC Congress

Polifunzionale Room

11:00 – 12:00 **Malattie Eredo-Degenerative II**

Chairs: O.Bugiani, V.Pietrini

11:00 *Cellular models to investigate the role of endocytic trafficking in the development of neurodegeneration: vesicles as motor force for cell migration.*

L.Perrone, G.Peluso, MAB.Melone

Ann Arbor, USA and Napoli, Italy

11:15 *Cerebral APE1/Ref-1 localization in neurodegenerative diseases*

G.Marcon, G.Giaccone, M.Deganuto, F.Quadrifoglio, G.Tell, F.Tagliavini

Milano and Udine, Italy

11:30 *Type A Niemann-Pick Disease (NPA) mouse model: peripheral nervous system and spinal cord examination.*

V.Rodriguez-Menendez, R.Rigolio, L.Rigamonti, P.Marmioli, G.Cavaletti,

A.Vercelli, G.Tredici

Monza and Torino, Italy

11:45 *Diagnostic procedures in CADASIL: the importance of open skin biopsy*

M.Morbin, S.Baratta, D.Testa, D.Pareyson, L.Chiapparini, O.Bugiani, F.Taroni

Milano, Italy

12:00 – 13:00 **Lettura Magistrale**

introduce GL.Forloni

Immunosenescenza tra evoluzione e biologia dei sistemi

C.Franceschi (Italy)

13:00-14:45 *Buffet lunch*



Tuesday, October 2

Palazzo della Gran Guardia

XVII AINI Congress

Sala Convegni Room

- 14:45-18:00 **Session V: Immune mechanisms and intervention in nervous system diseases I**
Chairs: P. Muraro, R. Pedotti
- 14:45 **Antigen-specific immunotherapy of autoimmune diseases**
D. Wraith (UK)
- 15:30 *Neural stem cells restrain developing immunity and central nervous system damage via BMP-4-dependent ectopic niches in secondary lymphoid organs*
S. Pluchino (Milan, Italy)
- 15:45 *Anti-inflammatory effects of calorie restriction on experimental autoimmune encephalomyelitis*
L. Piccio (St. Louis, USA)
- 16:00 *Real time imaging of effector T cell activation within autoimmune CNS lesions after soluble antigen treatment*
F. Odoardi (Munich, Germany)
- 16:15 *Mesenchymal Stem Cells ameliorate experimental ALS upon i.v. administration*
M.C. Principato (Genoa, Italy)
- 16:30-17:00 *Coffee break*
- 17:00 *MSCs-DCs interactions: an intimate cell-cell contact*
A. Aldinucci (Florence, Italy)
- 17:15 *Murine Mesenchymal Stem cell inhibit differentiation and functions of Bone Marrow Dendritic cells*
S. Chiesa (Genoa, Italy)
- 17:30 *IL17 and Multiple Sclerosis: increased production in Clinically Isolated Syndrome*
A.P. Batocchi (Rome, Italy)
- 17:45 *Multiple sclerosis in Sardinia: Reduced proportion of circulating plasmacytoid dendritic cells expressing BDCA-2 and BDCA-4 and reduced production of IL-6 and IL-10 by pDC in response to herpes simplex virus type 1*
A. Sanna (Sassari, Italy)
- 18:00-18:30 **AINI Standardization Guidelines. Updating** Chairs: F. Lolli, D. Franciotta



Tuesday, October 2

Palazzo della Gran Guardia

XLIII AINP Congress – XXXIII AIRIC Congress

Posters Room

14:30-16:30 **Discussione Poster (P16-P44)**
**Malattie da Prioni, Malattie Eredo-Degenerative, Tumori,
Neuropatologia Sperimentale**
Chairs: G.Cenacchi, G.Giaccone, M.Morbin

Malattie da prioni

- P16** *Ultrastructural Prp deposition in BSE and BASE infected cattle*
E.Fasoli, G.Zanusso, C.Casalone, M.Caramelli, L.Cappucci, S.Monaco, and S.Ferrari
Verona, Brescia, Torino, Italy
- P17** *Role of cystatin C in prion propagation and prion disease pathogenesis*
L.Limido, M.Mangieri, R.Capobianco, F.Moda, C.Vimercati, I.Campagnani, M.Catania,
B.Ghetti, G.Giaccone, E.Levy, F.Tagliavini
Milano, Italy
- P18** *Fas-L is expressed in sporadic Creutzfeldt-Jakob Disease*
G. Puoti, C. Coppola, G. Giaccone, M. Nigro, M. Mangeri, G.Di Fede, F. Tagliavini, R. Cotrufo
Napoli and Milano, Italy
- P19** *Slowly progressive dementia in a 36-year-old woman with a four-extrarepeat insertion in the prion protein gene*
D.Adduci, G.Albano, A.Grieco, P.Masciandaro, A.Nicolai, S.Monaco, S.Ferrari, P.Parchi,
N.Rizzuto
Matera, Verona, Bologna, Italy

Malattie eredo-degenerative

- P20** *TDP43 and ubiquitin immunoreactivity in sporadic amyotrophic lateral sclerosis: a comparative and semiquantitative study*
S.Grifoni, C.D'Agostino, M.Magistrello, MT.Giordana
Torino, Italy
- P21** *In vivo and in vitro evidence for VGF as a novel ALS biomarker with a role in disease pathogenesis.*
AS.Bonini, Z.Zhao, L.Ho, S.Salton, M.Memo, MG.Pasinetti
Brescia, Italy and New York, USA
- P22** *Friedreich ataxia: oxidative stress and cytoskeletal abnormalities*
LM.Gaeta, M.Sparaco, FM.Santorelli, A.Simonati, F.Scaravilli, F.Taroni, E.Bertini, F.Piemonte
Roma, Benevento, Verona, Milano, Italy; London, Great Britain
- P23** *Immunocytochemical localisation of PDE1B in the striatum of 6-OHDA lesioned rats.*
M.Morello, V.D'Angelo, G.Melchiorri, M.Giorgi, A.Martorana, G.Sancesario
Roma and L'Aquila, Italy
- P24** *PGRN polymorphisms influence the susceptibility for Alzheimer's disease*
F.Cortini, C.Fenoglio, E.Scarpini, D.Scalabrini, E.Venturelli, I.Guidi, C.Villa, C.Lovati,
C.Mariani, GL.Forloni, N.Bresolin, D.Galimberti
Milano, Italy



- P25 *Genetic screening to evaluate SIRT1 polymorphisms in relation to Alzheimer's disease and aging in the Italian population*
L.Polito, D.Albani, U.Lucca, M.Tettamanti, C.Lovati, C.Mariani, GL.Forloni
Milano, Italy
- P26 *The peroxisome proliferator-activated receptor gamma (PPAR-g2) Pro12Ala polymorphism is associated with higher risk for Alzheimer's disease in octogenarians*
G.Gambina, R.Scacchi, A.Pinto, A.Rosano, E.Broggio, G.Moretto, RM.Corbo
Verona and Roma, Italy
- P27 *CSF levels of IL-6, IL-11, LIF, Ab42, TAU and phosphoTAU biomarkers in Alzheimer's disease and Frontotemporal Lobar Degeneration*
E.Venturelli, D.Galimberti, C.Fenoglio, I.Guidi, C.Villa, L.Bergamaschini, F.Cortini, D.Scalabrini, P.Baron, C.Vergani, N.Bresolin, E.Scarpini
Milano, Italy
- P28 *Neuronal Nitric Oxide Synthase C276T polymorphism increases the risk for Frontotemporal Lobar Degeneration*
C.Villa, E.Venturelli, E.Scarpini, C.Fenoglio, I.Guidi, C.Lovati, A.Marccone, F.Cortini, D.Scalabrini, F.Clerici, N.Bresolin, C.Mariani, S.Cappa, D.Galimberti
Milano, Italy
- P29 *Vasomotor reactivity (VMR) in elderly with MCI.*
G.Mosca, M.Zanetti, C.Abbate, A.Casè, M.Castelli, C.Vergani, L.Bergamaschini.
Milano, Italy
- P30 *Juvenile stroke in a case of juvenile polyposis-hereditary haemorrhagic teleangiectasia.*
S.Mazzucco, B.Bonetti, M.Ferrarini, GM.Fabrizi, N.Rizzuto
Verona, Italy
- P31 *Cytoplasmic events in Neuronal Ceroidlipofuscinoses*
F.Pezzini, D.Sembenini, G.Vattemi, MG.Marconi, S.Marconi, N.Rizzuto, FM.Santorelli, A.Simonati
Verona and Roma, Italy
- P32 *Myelin involvement in Niemann-Pick disease type A.*
B.Votta, M.Piccinini., S.Grifoni, , L.Palmucci, A.Heape, B.Buccinnà, MT.Rinaudo, MT.Giordana
Torino, Italy and Oulu, Finland
- P33 *Fluorescent markers to investigate cell pathology in vitro*
D.Sembenini, F.Pezzini, A.Simonati
Verona, Italy
- P34 *Role played by AKAP121 in the regulation of mitochondrial function*
A.Adornetto, A.Scorziello, A.Carlucci, A.Feliciello, L. Annunziato.
Napoli, Italy

Tumori

- P35 *STAT3 and cell proliferation in glioblastomas*
V.Caldera , M.Mellai, L.Annovazzi, E.Andreoli, D.Schiffer
Vercelli, Italy
- P36 *Survivin as a possible target of therapies in malignant gliomas*
L.Annovazzi, V.Caldera, M.Mellai, D.Schiffer
Vercelli, Italy



- P37 *Kaposi's sarcoma in a patient treated with Temozolamide for glioblastoma*
E.Anghileri, MG.Passarin, C.Ghimenton, S.Pecori, S.Parisi, B.Bonetti, G.Moretto
Verona and Padova, Italy
- P38 *Primary central nervous system lymphomas: immunophenotypic features and survival*
PP.Panciani, C.D'Agostino, S.Grifoni, P.Ghiglione, MT.Giordana
Torino, Italy

Neuropatologia sperimentale

- P39 *Antithrombin reduces ischemic volume, ameliorates neurological deficits, and prolongs animal survival both in transient and in permanent focal ischemia.*
O.Cuomo, G.Pignataro, R.Gala, A.Scorziello, E.Gravino, O.Piazza, R.Tufano, GF.DiRenzo, L. Annunziato.
Napoli, Italy
- P40 *Set up of an in vitro model of murine Blood-Brain-Barrier (BBB) and Oxygen-Glucose Deprivation (OGD) as a model of in vitro ischemia.*
R.Gesuete, C.Storini, A.Fantin, G.Bazzoni, M.Deli, MG.DeSimoni
Milano, Italy and Szeged, Hungary
- P41 *Tumor Necrosis Factor (TNF)- α in traumatic brain injury in mice: selectivity of p55 and p75 TNF receptor roles.*
F.Ortolano, L.Longhi, E.Zanier, C.Perego, N.Stocchetti, MG.DeSimoni
Milano, Italy
- P42 *C1-inhibitor attenuates neurobehavioral deficits and reduces contusion volume following traumatic brain injury in mice*
C.Perego, L.Longhi, E.Zanier, F.Ortolano, P.Bianchi, N.Stocchetti, MG.De Simoni.
Milano, Italy
- P43 *Colocalization of phosphodiesterase 1B in striatal neurons: an immunohistochemical investigation in dopamine-denervated rodents.*
V.D'Angelo, M.Morello, A.Martorana, G.Melchiorri, M.Giorgi, FR.Fusco, G.Sancesario
Roma and L'Aquila, Italy
- P44 *Orexigenic activity of chronic hexarelin in aged rats.*
E.Bresciani, I.Bulgarelli, L.Tamiazzo, D.Rapetti, S.Caporali, V.Locatelli, A.Torsello
Monza, Italy

Polifunzionale Room

- 16:30-18:00 **Comunicazioni Orali**
Malattie Eredo-Degenerative III
Chair: F.Tagliavini
- 16:30 *Treatment with the anti-oligomeric $\text{trx}(\text{abi}5_4)$ immunogen markedly reduces brain β -amyloid load in a transgenic mouse model of Alzheimer's disease*
V.Pietrini, MF.Baroc, E.DelGiudice, F.Miccichè, D.Colavito, A.D'Arrigo,
M.DalleCarbonare, G.Villetti, F.Facchinetti, R.Volta, A.Leon, N.Moretto,
BP.Imbimbo, S.Ottonello
Parma and Padova, Italy
- 16:45 *Early Onset Alzheimer's Disease in an Italian family with presenilin-1 double mutation E318G/G394V*
D.Albani, S.Batelli, M.Franceschi, A.Gavazzi, GL.Forloni
Milano and Castellanza (VA), Italy



Tumori

Chairs: D.Schiffer, MT.Giordana

- 17:00 *MGMT in glioblastomas: promoter hypermethylation analysis and immunohistochemistry*
M.Mellai , M.Lanotte , L.Annovazzi , V.Caldera , G.Finocchiaro, D.Schiffer
Vercelli, Italy
- 17:00 *Role of β -catenin in IR-treated medulloblastoma cell lines*
A.Ronchi, T.DiTomaso, A.Cappellini, C.Ceccarelli, S.Cammelli, F.Giangaspero,
R.Salaroli, G.Cenacchi.
Bologna and Roma, Italy
- 17:15 *Antineoplastic effects of an histone deacetylase inhibitor in a model of cerebral glioma.*
A.Brioschi, S.Calderoni, L.Pradott, F.Zenga, C.Musicanti, MR.Gasco, GP.Zara,
A.Mauro
Piancavallo (VB) and Torino, Italy
- 17:30 *Analysis of forebrain progenitor markers in supratentorial primitive neuroectodermal tumours (st-PNETs)*
M.Figus, E.Salsano, E.Maderna, R.Paterra, MT.Giordana, B.Pollo, G.Finocchiaro
Milano and Torino, Italy
- 18:00-18:45** **Lettura Magistrale**
introduce G.Sancesario
- Meccanismi patogenetici delle degenerazioni spino-cerebellari**
F.Taroni (Italy)



Wednesday, October 3

Palazzo della Gran Guardia

XVII AINI Congress

Sala Convegni Room

- 8:30-10:45 **Session VI: Novel methodologies and data analysis**
Chairs: B. Bonetti, C. Laudanna
- 8:30 *Nerve fiber layer analysis with OCT, SLP VCC and SCLO in patients with optic neuritis*
M. Suzani (Monza, Italy)
- 8:45 *The expression of nine discriminating genes reverts to normal levels during pregnancy in patients with multiple sclerosis*
F. Gilli (Orbassano, TO, Italy)
- 9:00 *Novel autoantigens recognized by CSF IgG from Hashimoto's encephalitis revealed by a proteomic approach*
B. Gini (Verona, Italy)
- 9:15 *Carbon nanotubes impact on neurons and primary immune cells: an in vitro model*
T. Biagioli (Florence, Italy)
- 9:30 *Role of NAADP-mediated Ca²⁺ signalling in encephalitogenic CD4⁺ T cells*
C. Cordiglieri (Munich, Germany)
- 9:45 *Detection of Anti-Aquaporin4 antibodies by Western blot: a new tool for differential diagnosis in patients showing Neuromyelitis Optica*
M. Caldano (Orbassano, TO, Italy)
- 10:00 **Systems-based medicine approaches to understand and treat multiple sclerosis**
S. Baranzini (USA)
- 10:45-11:15 *Coffee break*
- 11:15-13:30 **Session VII: Immune mechanisms and intervention in nervous system diseases II**
Chairs: S. Sotgiu, C. Avolio
- 11:15 **Immuno-ablative therapies for neurological immune-mediated disorders**
P. Muraro (UK)
- 12:00 *Regulatory CD56^{bright} natural killer cells expanded during cyclophosphamide therapy in multiple sclerosis*
A. Laroni (Padova, Italy)
- 12:15 *Glatiramer Acetate and Minocycline differently affect phenotype expression of blood derived dendritic cells in Multiple Sclerosis patients*
M. Ruggieri (Bari, Italy)
- 12:30 *Relevance of NKR1a⁺ CD8⁺ T cell subset in multiple sclerosis*
V. Annibali (Rome, Italy)



12:45 *Reduced Toll-like receptor 9 expression in Multiple Sclerosis in response to P. falciparum*
A. Sanna (Sassari, Italy)

13:00 *Immuno-mediated limbic encephalitis: clinical and immunological description of 15 patients*
R. Vitaliani (Treviso, Italy)

13:15-14:30 *Buffet lunch*



Wednesday, October 3

Palazzo della Gran Guardia

XLIII AINP Congress – XXXIII AIRIC Congress

Polifunzionale Room

- 8:30-9:30 **Comunicazioni Orali**
Neuropatologia Sperimentale e Neurobiologia
Chairs: A.Mauro, M.Melone
- 8:30 *Wide time-window neuroprotective effect of recombinant human C1-Inhibitor in two models of cerebral ischemia*
C.Storini, R.Gesuete, A.Fantin, B.Ziere, H.Vietsch, MG.DeSimoni
Milano, Italy and Leiden, the Netherlands
- 8:45 *Endogenous protective mechanisms are elicited by stem cells infused in the ischemic brain*
S.Fumagalli, MC.Principato, C.Capone, S.Frigerio, M.Gelati, M.Montinaro,
C.Storini, R.Kraftsik, M.DeCurtis, E.Parati, MG.DeSimoni
Milano, Italy and Lausanne, Switzerland
- 9:00 *Neural stem cells cocultured with dental pulp stem cells preferentially differentiate into glial cells*
C.Nesti, S.Barachini, S.Cei, F.Vaglini, D.D'Alessandro, G.Siciliano, L.Murri, M.Petrini,
Pisa, Italy
- 9:15 *NF-kB mediated transcription is involved in regulation of adult hippocampal neurogenesis*
P.Crociara, A.Dellarole, G.Quadrato, V.Bortolotto, M.Francesco, S.Denis Donini, M. Grilli
Novara and Milano, Italy
- 09:30-12:00 **Simposio: Neuropatologia dell'Epilessia**
Chairs B.Dalla Bernardina, A.Simonati
- 9:30 **Ictogenesi ed Epilettogenesi nell'Epilessia del Lobo Temporale**
M.De Curtis (Italy)
- 10:00 **Displasie Corticali Focali ed Epilettogenesi: correlazioni anatomoelettrocliniche**
R.Spreafico (Italy)
- 10:30-11:00 *Coffee break*
- 11:00 **Epilessia nelle Malformazioni Corticali: correlazioni fra sindrome epilettica e anomalie strutturali**
R.Guerrini (Italy)
- 11:30 **Neuroinfiammazione ed Epilessia: ruolo del reclutamento leucocitario nell'epilettogenesi**
P.Fabene (Italy)
- 12:00 **Verso la definizione di un ruolo delle cellule gliali nella patologia epilettica**
G.Carmignoto (Italy)



- 12:30-13:15 **Lettura Magistrale**
Introduce A.Simonati
- Ruolo dei geni OTX nel differenziamento neuronale**
A.Simeone
- 13:15 Chiusura del congresso AINP-AIRC



Wednesday, October 3

Palazzo della Gran Guardia

XVII AINI Congress

Sala Convegni Room

- 14:30-16:45 **SessionVIII: Humoral immunity in nervous system diseases**
Chairs: D. Franciotta, R. Furlan
- 14:30 **Proteomics and immunomics in multiple sclerosis**
D. Lefranc (France)
- 15:15 *Circulating levels of BAFF and APRIL in multiple sclerosis patients: results of a pilot study*
G. Cavaletti (Milano, Italy)
- 15:30 *Transketolase and CNPase I isoforms are specifically recognized by IgG autoantibodies in multiple sclerosis patients*
L. Lovato (Verona, Italy)
- 15:45 *Intrathecal IgM synthesis is associated with cortical lesions in multiple sclerosis patients*
L. Rinaldi (Padova, Italy)
- 16:00 *Accumulation of Epstein-Barr virus-infected B-cells in the multiple sclerosis brain*
B. Serafini (Rome, Italy)
- 16:15 *IgGs purified from RR-MS enhance demyelination in experimental autoimmune encephalomyelitis*
R. Pedotti (Milano, Italy)
- 16:30 *Trasverse myelitis and delayed VEP with positive NMO-IgG: Devic Syndrome?*
D. Travaglini (Chieti, Italy)
- 16:45 7th "Marco Vergelli" Award
- 17:00 4th "Domenico Paolini" Award
- 17:15 Closing remarks