

SECOND INTERNATIONAL
MEETING OF THE
MILAN CENTER
FOR NEUROSCIENCE
(NEUROMI)

PREDICTION
AND PREVENTION
OF DEMENTIA:
NEW HOPE

MILAN, JULY 6-8, 2016



Federation of
European
Neuroscience
Societies



SOCIETÀ ITALIANA DI NEUROLOGIA



Associazione Autonoma Adoranda
vita SIN per le Dementie



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University of Milano-Bicocca
Aula Magna, Building U6,
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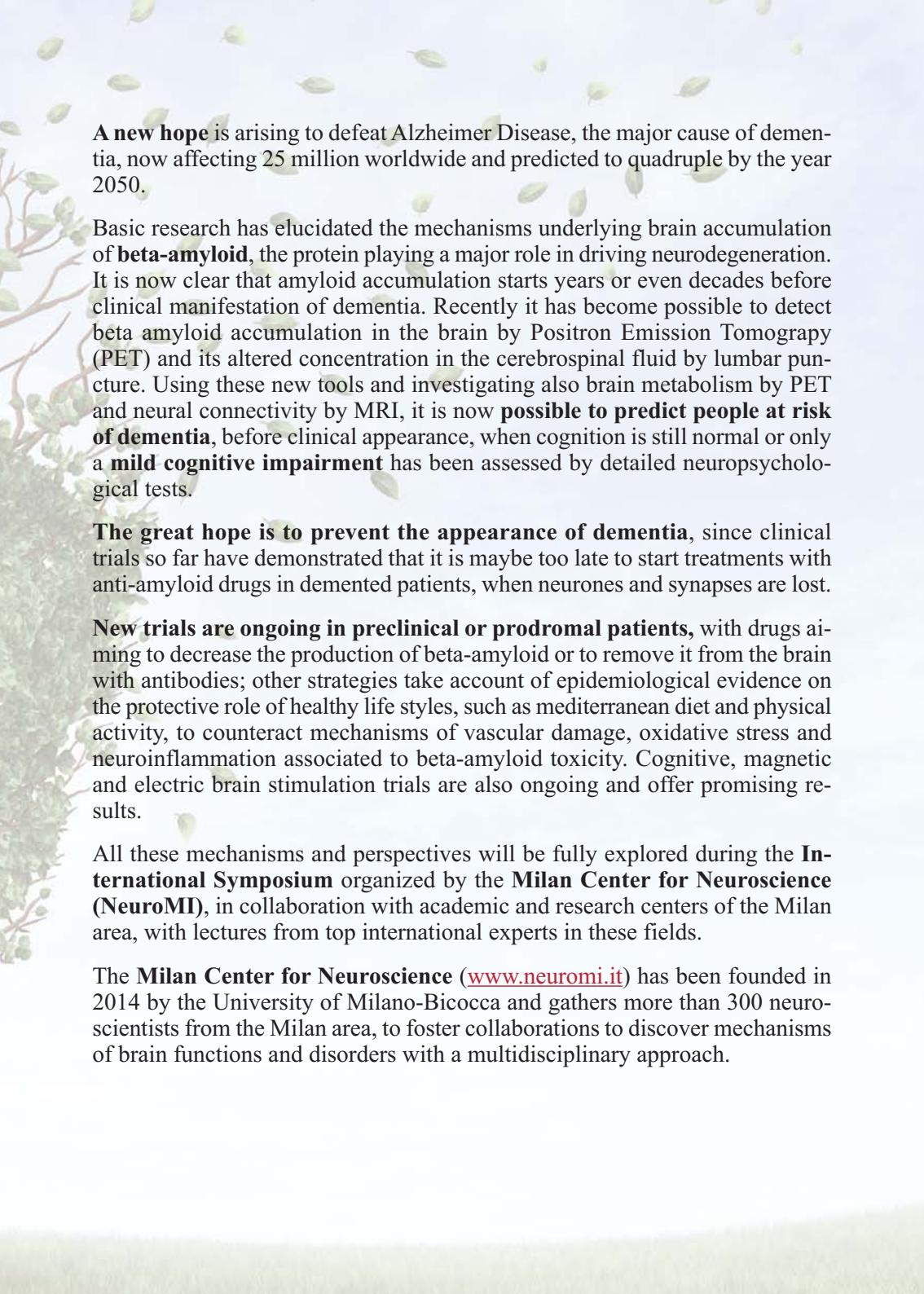
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A new hope is arising to defeat Alzheimer Disease, the major cause of dementia, now affecting 25 million worldwide and predicted to quadruple by the year 2050.

Basic research has elucidated the mechanisms underlying brain accumulation of **beta-amyloid**, the protein playing a major role in driving neurodegeneration. It is now clear that amyloid accumulation starts years or even decades before clinical manifestation of dementia. Recently it has become possible to detect beta amyloid accumulation in the brain by Positron Emission Tomography (PET) and its altered concentration in the cerebrospinal fluid by lumbar puncture. Using these new tools and investigating also brain metabolism by PET and neural connectivity by MRI, it is now **possible to predict people at risk of dementia**, before clinical appearance, when cognition is still normal or only a **mild cognitive impairment** has been assessed by detailed neuropsychological tests.

The great hope is to prevent the appearance of dementia, since clinical trials so far have demonstrated that it is maybe too late to start treatments with anti-amyloid drugs in demented patients, when neurones and synapses are lost.

New trials are ongoing in preclinical or prodromal patients, with drugs aiming to decrease the production of beta-amyloid or to remove it from the brain with antibodies; other strategies take account of epidemiological evidence on the protective role of healthy life styles, such as mediterranean diet and physical activity, to counteract mechanisms of vascular damage, oxidative stress and neuroinflammation associated to beta-amyloid toxicity. Cognitive, magnetic and electric brain stimulation trials are also ongoing and offer promising results.

All these mechanisms and perspectives will be fully explored during the **International Symposium** organized by the **Milan Center for Neuroscience (NeuroMI)**, in collaboration with academic and research centers of the Milan area, with lectures from top international experts in these fields.

The **Milan Center for Neuroscience** (www.neuromi.it) has been founded in 2014 by the University of Milano-Bicocca and gathers more than 300 neuroscientists from the Milan area, to foster collaborations to discover mechanisms of brain functions and disorders with a multidisciplinary approach.

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VIGLIETTA VISSIA

Sr. Medical Director, AD Clinical Development Biogen, Cambridge - USA

Wednesday, July 6

14:30 **Registration and posters set up**

KICK-OFF SYMPOSIUM

Amyloid PET imaging: preclinical diagnosis of dementia?

Chair: DANIELA PERANI – SANDRO SORBI

15:30-16:00 In vivo imaging of Alzheimer disease by PET tracers
GAEL CHETELAT

16:00-16:30 Clinical indications for Amyloid imaging
FLAVIO NOBILI

16:30-17:00 General discussion

17:00 **Inauguration**

CRISTINA MESSA, Rector University of Milano-Bicocca

CARLO FERRARESE, Scientific Director, Milan Center for Neuroscience (NeuroMi)
President of the Congress

ROUND TABLE

**The impact of dementia:
crucial challenge for medicine, neuroscience and society**

Moderator: LAURA SPINNEY

Age-dependent pathways to dementia
ORSO BUGIANI

Epidemiology of dementia in the next years
MASSIMO MUSICCO

Ethical issues
VITTORIO SIRONI

Discussants:

GIORGIO ANNONI, GABRIELLA BOTTINI, DANIELA OVADIA,
MARCO TRABUCCHI

20:00 **Welcome Cocktail**

Thursday, July 7

Morning session

Biological basis and pathophysiology of dementia

Protein misfolding and synaptic damage

Chair: MARIA GRAZIA SPILLANTINI – FABRIZIO TAGLIAVINI

- 9:00-9:30 Genes and Amyloid pathways
JOHN HARDY
- 9:30-9:50 Prion-like spreading of amyloid
FABRIZIO TAGLIAVINI
- 9:50-10:10 Tau pathology
MARIA GRAZIA SPILLANTINI
- 10:10-10:30 Synaptopathology of dementia
ELENA MARCELLO
- 10:30 Coffe Break**

Alternative and synergic mechanisms

Chair: GIANLUIGI FORLONI – ROSA MARIA MORESCO

- 11:00-11:20 Amyloid and oxidative stress
GEORGE PERRY
- 11:20-11:40 Vascular damage and amyloid clearance
ROXANA CARARE
- 11:40-12:00 Microglia, neuroinflammation and Alzheimer disease
MICHAEL T. HENEGA
- 12:00-12:20 Central and peripheral markers of neuroinflammation
ROSA MARIA MORESCO – LUCIO TREMOLIZZO
- 12:20-12:40 Do animal models recapitulate Alzheimer disease?
GIANLUIGI FORLONI
- 12:40 General Discussion
- 13:00 Lunch and Poster session**

Thursday, July 7

Afternoon Session

Cognitive and behavioural assessments

Clinical profiles

Chair: ILDEBRANDO APPOLLONIO – CLAUDIO MARIANI

- 14:00-14:20 The concept of MCI and its variants
PETER NESTOR
- 14:20-14:40 Clinical variants of Alzheimer dementia
STEFANO CAPPÀ
- 14:40-15:00 Other Dementias
LAURA BONANNI

15:00 **Coffee Break**

Predictive cognitive testing

Chair: PAOLO CAFFARRA - CARLO CALTAGIRONE

- 15:20-15:40 Cognitive reserve
GABRIELLA BOTTINI
- 15:40-16:00 Neuropsychological markers of progression in MCI
GIOVANNI AUGUSTO CARLESIMO
- 16:00 16:30 New predictive tests for dementia
BRUNO DUBOIS
- 16:30 General Discussion

Thursday, July 7

Interdisciplinary oral communications

Chair: AMALIA CECILIA BRUNI – DANIELA GALIMBERTI – CAMILLO MARRA

- 17:00-17:10 Extracellular vesicles isolated from bone marrow mesenchymal stem cells induce an anti-inflammatory phenotype in microglia exposed to human abeta 1-42
CHIARA ADRIANA ELIA, S. MARCHETTI, M. LOSURDO, A. SACCOMANO, F. FILIPELLO, M. RASILE, M. TAMBORINI, M. MATTEOLI, S. COCO
- 17:10-17:20 Neuroinflammation correlates with hippocampus atrophy in Alzheimer's Disease
MARINA SARESELLA, F. BAGLIO, M. CABINIO, F. PIANCONE, F. LAROSA, I. MARVENTANO, E. CALBRESE, R. NEMNI, M. CLERICI
- 17:20-17:30 Sirtuins modulation as a novel therapeutic strategy in vitro and in vivo models of Alzheimer's Disease
FEDERICA FUSCO, G. BIELLA, A. AGRILLO, D. ALBANI, G. FORLONI
- 17:30-17:40 Multiplex ligation-dependent probe amplification (MLPA) assay in PSEN1 and APP genes in early-onset Alzheimer disease patients
IVANA RICCA, G.S. GRIECO, M. VALENTE, P. BINI, P. VITALI, C. CEREDA
- 17:40-17:50 Comparison of molecular biomarkers for the prediction of conversion to dementia in a large multicentric MCI cohort
SILVIA CAMINITI, T. BALLARINI, L. PRESOTTO, A. SALA, C. CERAMI, F. FALLANCA, EG. VANOLI, D. PERANI, F. NOBILI, L. PARNETTI, G. FRISONI, E. SCARPINI
- 17:50-18:00 Memory impairment in AD and PDD: hippocampal subfields involvement and category cued recall
FABIANA NOVELLINO, R. VASTA, G. NICOLETTI, C. CHIRIACO, M. VACCARO, M. MORELLI, M. SALSONE, G. ARABIA, A. SARICA, A. QUATTRONE
- 18:00-18:10 Mitochondrial Alterations in Peripheral Blood Mononuclear Cells (PBMCs) from Alzheimer's Disease and Mild Cognitive Impairment Patients: new potential blood biomarkers for AD
MARIAGRAZIA MARZIANO, G. ABATE, D. UBERTI
- 18:10-18:20 A cognitive preventive intervention by means of Memory Training (MT) in a sample of older adults aged 65+
M. VENEZIANO, C. PRETE, B. SENESI, M. PUNTONI, M. GIANELLI, A. PILOTTO
- 18:20-18:30 Evaluation of the acceptability of a caring service robot (MARIO)
GRAZIA D'ONOFRIO, O. JAMES, D. SANCARLO, F. RICCIARDI, K. MURPHY, F. GIULIANI, D. CASEY, A. GRECO

Friday, July 8

Morning session

Pre-clinical biomarkers

A-Imaging Biomarkers

Chair: ERALDO PAULESU – DANIELA PERANI

9:00-9:30 The future of biomarkers

RICHARD FRACKOWIACK

9:30-9:50 Structural MRI

FEDERICA AGOSTA

9:50-10:10 Functional MRI

ERALDO PAULESU

10:10-10:30 PET- FdG

DANIELA PERANI

10:30 **Coffee Break**

Biochemical markers

Chair: LUCILLA PARNETTI – ELIO SCARPINI

11:00-11:20 Cerebrospinal fluid Abeta and TAU

LUCILLA PARNETTI

11:20-11:40 Anti-abeta antibodies in CSF: markers for therapies?

FABRIZIO PIAZZA

11:40-12:00 Blood biomarkers

ELIO SCARPINI

12:00-12:20 Longitudinal imaging and biochemical assessments

MOIRA MARIZZONI

12:20 General Discussion

13:00 **Lunch and Poster Session**



Friday, July 8

Afternoon session

New prevention and therapeutic strategies

Chair: GIANCARLO COMI – CARLO FERRARESE

Pharmacological Therapies

- 14:00-14:30 BACE inhibitors
MICHAEL EGAN
- 14:30-15:00 Immunotherapies: state of the art
VISSIA VIGLIETTA
- 15:00-15:20 Nanoparticles for future therapies
MASSIMO MASSERINI

15:20 **Coffee Break**

Non Pharmacological treatments

- 15:40-16:00 Mediterranean diet
NIKOS SCARMEAS
- 16:00-16:20 Cognitive stimulation
AIMEE SPECTOR
- 16:20-16:40 Magnetic stimulation
LETIZIA LEOCANI, RAFFAELLA CHIEFFO
- 16:40-17:00 Deep Brain Stimulation
ANDRES LOZANO
- 17:00 **General Discussion and Closing Remarks**

Poster session: Prediction and Prevention of Dementia

Clinical Management

1. Cognitive stimulation therapy in Italian patients: a pilot study
M. BALESTRINO, S. TERZUOLI, L. BONARETTI, D. SASSOS, F. DONATO
2. All for one and one for all: a novel approach to single case studies with VBM
C. DE SANTIS, M. BERLINGERI, M. TETTAMANTI, G. BOTTINI, M. SBERNA, E. PAULESU
3. Adult-onset idiopathic epilepsy in presymptomatic Alzheimer's disease
J.C. DI FRANCESCO, V. POLONIA, L. TREMOLIZZO, E. BEGHI, G. GIUSSANI, E. BIANCHI, I. APPOLLONIO, C. FERRARESE
4. Adaptation of Cognitive Stimulation Therapy in the Italian Context
S. GARDINI, S. FAGGIAN, S. PRADELLI, E. SALVALAIO, E. MORCIANO, G. MICHELINI, P. CAFFARRA, E. BORELLA
5. The development of a Home-based and Computerized Cognitive Stimulation Therapy for People living with Dementia: Preliminary results
S. GARDINI, G. MICHELINI, P. TIRELLI, E. MORCIANO, P. CAFFARRA
6. Preliminary results of a randomized controlled trial about the effectiveness of eye movement desensitization and reprocessing integrative group treatment protocol (EMDR-IGTP) for the reduction of psychological distress in caregiver of patients with dementia
S. PASSONI, T. CURINGA, A. TORALDO, M. BERLINGERI, I. FERNANDEZ, G. BOTTINI
7. A diagnostic algorithm based on cerebrospinal fluid biomarkers and neuropsychological tests can easily and reliably predict progression from mild cognitive impairment to Alzheimer's dementia
R. SANTANGELO, S. MAZZEO, G. CECCHETTI, P. PINTO, M. BERNASCONI, M. FALAUTANO, G. PASSERINI, G. COMI, G. MAGNANI

Epidemiology

8. Screening for Mild Cognitive Impairment in Parkinsons Disease: Comparison of the Italian Versions of Three Neuropsychological Tests
A. FEDERICO, A. MAIER, G. VIANELLO, D. MAPELLI, M. TRENTIN, G. ZANETTE, A. PICELLI, M. GANDOLFI, S. TAMBURIN
9. Worldwide prevalence of dementia: the challenge of missing data
S. POMATI, A. MARKOVA, I. COVA, I. CAMPINI, G. GRANDE, C. MARIANI

Poster session: Prediction and Prevention of Dementia

10. Thrombophilia and Alzheimer's: is there a positive correlation?
L. IURATO, R. GRIMALDI, F. CARUSO, C. OCCHIPINTI, M.G. NASO, M.G. RANDISI,
J. TORRISI, L.S. VERNICCHIO, M.M. VECCHIO

Genetics

11. Possible Role of Curcumins in RNA regulation in Alzheimer's disease patients
S.GAGLIARDI, S. ZUCCA, S.. POLICICCHIO, E. SINFORIANI, P. BINI, J. CASHMAN,
C. CEREDA
12. Type 2 diabetes and Alzheimer's disease: evidences for a shared genetic etiology
P. MAZZOLA, L. HO, K. HAO, G. PASINETTI
13. A novel PSEN1 mutation in a family with late-onset Alzheimer's disease
I. RICCA, M. VALENTE, G.S. GRIECO, P. BINI, P. VITALI, C. CEREDA

Neurobiology

14. HSV-1 avidity index: a biomarker for monitoring the evolution of Mild Cognitive Impairment to Alzheimer's disease?
S. AGOSTINI, R. MANCUSO, F. BAGLIO, M. CABINIO, A. HERNIS, FR. GUERINI,
E. CALABRESE, R. NEMNI, M. CLERICI
15. NMR-based identification of anti-Alzheimer's compounds in edible plants and foods
C. AIROLDI, C. CIARAMELLI, A. PALMIOLI, V. MAZZONI, R. BUSSEI,
L. COLOMBO, A. DE LUIGI, F. NICOTRA
16. A β , LPS and their affinity for cell membrane lipid bilayers
A. ASTI, S. SACCUCCI, N. MARCHESI, A. PASCALE, F. BAGGI, A. CONSONNI,
R. MANTEGAZZA
17. Alzheimer's Disease CSF biomarkers are significantly reduced in patients with Normal Pressure Hydrocephalus: what does it mean?
G. CECCHETTI, R. SANTANGELO, S. MAZZEO, P. PINTO, G. PASSERINI,
R. CARDAMONE, A. FRANZIN, G. COMI, G. MAGNANI
18. Peripheral sink effect as possible nanotherapeutic strategy for Alzheimer's disease: an ex vivo study
E. CONTI, C. ZOIA, D. GRANA, F. DA RE, A. CATANIA, M. GREGORI, F. RE,
M. MASSERINI, C. FERRARESE, L. TREMOLIZZO
19. Early alterations in the expression of antioxidant enzymes and oxidative stress markers in neurogenic niches of TG2576 mouse model of Alzheimer's disease
A. FRACASSI, F. COLASUONNO, G. TAGLIALATELA, S. MORENO

Poster session: Prediction and Prevention of Dementia

20. Behavioural anomalies in neurodegenerative diseases: role of the immune response
D. GRANA, E. CONTI, C. P. ZOIA, L. MAGGIONI, A. AROSIO, G. STEFANONI, A. ALIPRANDI, I. APPOLLONIO, C. FERRARESE, L. TREMOLIZZO
21. Protective action of fingolimod against acute A β neurotoxicity by rapid synaptic relocation of NMDA receptor in hippocampal neurons
P. JOSHI, M. GABRIELLI, L. PONZONI, S. PELUCCHI, M. STRAVALACI, M. BEEG, S. MAZZITELLI, B. BRAIDA, M. SALA, E. BODA, A. BUFFO, M. GOBBI, F. GARDONI, M. MATTEOLI, E. MARCELLO, C. VERDERIO
22. Increased TLR8 and 9 expression correlates with preserved hippocampal volumes and lack of progression to AD in Mild Cognitive Impairment individuals
F. LA ROSA, M. SARESELLA, F. PIANCONE, I. MARVENTANO, E. CALABRESE, R. NEMNI, F. BAGLIO, M. CABINIO, M. CLERICI
23. Ischemic injury elicits the unconventional secretion of protein hallmarks of Alzheimer's disease onset as seeds for interneuronal propagation
E. LONATI, G. SALA, V. TRESOLDI, S. COCO, C. MILANI, A. RESTELLI, F. FARINA, L. BOTTO, D. SALERNO, P. PALESTINI, A. BULBARELLI
24. Clinical, biological and neuroradiological evolution of Cerebral Amyloid Angiopathy-related inflammation: the iCA β International Network longitudinal study
M. LONGONI, L. TOTINO, J. DI FRANCESCO, S. ANDREONI, F. PIAZZA
25. Multi-functional liposomes prevent memory impairment and slow down brain B-amyloid deposition in a mouse model of Alzheimer's disease
S. MANCINI, C. BALDUCCI, F. RE, G. FORLONI, M. MASSERINI
26. Effects of oxidative stress and inflammation induced by ultrafine particles on Alzheimer disease onset
C. MILANI, F. FARINA, L. BOTTO, E. LONATI, G. SANCINI, A. BULBARELLI, P. PALESTINI
27. Effect of modified collagen on amyloid beta peptide aggregation
F. NICOTRA, L. RUSSO, F. RE, M. MASSERINI, A. SASSELLA, S. TRABATTONI, L. CIPOLLA
28. Alzheimer's Disease and Mild Cognitive Impairment: Extracellular and Intracellular Redox Alterations
W. RUNGRATANAWANICH, M. MARZIANO, G. ABATE, D. UBERTI
29. Factors contributing to therapeutic potential of oral galactose in a rat model of sporadic Alzheimer's disease
M. SALKOVIC-PETRISIC, A. KNEZOVIC, J. OSMANOVIC BARILAR, W. REUTTER

Poster session: Prediction and Prevention of Dementia

30. New method for early detection of CNS damage in elderly subjects: abnormal lipid accumulation and cluster formation in naïve PBMCs
L. SERCHISU, L. SERCHISU, D. COSTAGGIU, C. ABETE, A. MANDAS
31. The toxicity of amyloid-beta oligomers and tau hyperphosphorylation are prevented from lipid-based nanoparticles in human primary fibroblasts
C.P. ZOIA, E. CONTI, D. CEREDA, V. RODRIGUEZ-MENENDEZ, S. ANDREONI, A. CATANIA, M. GREGORI, S. SESANA, M. MASSERINI, L. TREMOLIZZO, C. FERRARESE

Neuroimaging

32. Molecular Imaging of Microglia activation in response to acute neurodegenerative damage in TREM2 deficient mice
S. BELLOLI, M. PANNESE, I. RACCAGNI, G. DI GRIGOLI, V. MURTAJ, A. CARPINELLI, C. MONTERISI, P. PANINA-BORDIGNON, R. MORESCO
33. Correlations between neuropsychological tests and structural brain magnetic resonance imaging in a cohort of patients with mild cognitive impairment
L. BISCETTI, N. SALVADORI, P. EUSEBI, E. CHIPI, L. FAROTTI, M. RUSSO, R. TARDUCCI, P. CHIARINI, P. FLORIDI, P. CALABRESI, L. PARNETTI
34. Monitoring Neuroinflammation with the TSPO tracer [18F]VC701, after LPS systemic administration in adult and aged mice
G. DI GRIGOLI, S. BELLOLI, V. MURTAJ, C. MONTERISI, V. MASIELLO, R. MORESCO
35. Cognitive and functional metabolic profiles in primary progressive aphasia variants
L.C. GRECO, C. CERAMI, A. DODICH, L. IACCARINO, S. IANNACCONE, G. MAGNANI, D. PERANI
36. Toward the identification of functional biomarkers for Alzheimer's disease: a magnetoencephalography study
F. JACINI, P. SORRENTINO, R. RUCCO, P. VARRIALE, V. AGOSTI, F. BASELICE, A. SORRISO, G. SORRENTINO
37. Gender Differences in Aging and Alzheimer's Dementia: an 18F-FDG-PET Study
M. MALPETTI, T. BALLARINI, L. PRESOTTO, V. GARIBOTTO, D. PERANI
38. Bilingualism and Brain Reserve in Alzheimer's Dementia
D. PERANI, T. BALLARINI, F. LUBIAN, M. MALPETTI, G. MAGNANI, M. FARSAID, J. ABUTALEBI

Poster session: Prediction and Prevention of Dementia

39. Neuropsychiatric Subsyndromes and Brain Metabolic Network Dysfunctions in Early Onset Alzheimer's Disease
D. PERANI, T. BALLARINI, L. IACCARINO, G. MAGNANI, N. AYAKTA, B. MILLER, W. JAGUST, M. GORNO-TEMPINI

Neuropsychology and Behaviour

40. Atypical presentation of AD: a case report
S. CIRESA, CG. CERRI, C. PERIN
41. Dr Jekyll and Mr Hyde: the diagnosis disclosure
A. CIRICUGNO, S. BASILICO, G. GELOSA, T. AMBROGIO, G. BOTTINI
42. Multiple Cognitive Phenotypes in Amyotrophic Lateral Sclerosis
M. CONSONNI, E. CATRICALÀ, E. DALLA BELLA, V. GESSA, G. LAURIA, S. CAPPÀ
43. Mind and Language as predictor and preventive of dementia. A work proposal
G. DORE, M. D'ONOFRIO
44. The Five Words Test: a rapid screening for the assessment of memory impairment
G. GAMBERINI, FL. SAIBENE, S. SCIOLI, A. D'ARMA, F. BAGLIO, R. NEMNI, E. FARINA
45. Predicting the reading profiles of different neurodegenerative impairments: The case of Alzheimer's disease, Progressive Primary Aphasia and Posterior Cortical Atrophy
C. LUZZATTI, E. RIPAMONTI, G. LAZZATI, E. MARTINI, F. LUCHELLI
46. Frailty and cognitive decline: the role of metacognitive-executive dysfunction
S. PALERMO, I. RAINERO, E. RUBINO, M. ZUCCA, M. AMANZIO
47. "Progetto Dina Scalise" an intergenerational program to prevent cognitive impairment
A. SCALISE
48. Hypoxia impairs brain prefrontal lateralization related to visuospatial orienting of attention as reflected by an ERPs CNV neuromarker
A. ZANI, S. PORCELLI, M. MARZORATI, G. MARSILI, A. SENERCHIA, M. BERTOLI, E. RIZZI, A. M. PROVERBIO

Poster session: Selected Interdisciplinary NeuroMi Projects

Clinical Management

49. Human perception of image complexity: real scenes versus texture patches
S.E. CORCHS, G. CIOCCA, F. GASPARINI
50. Conversational analysis in the differential diagnosis between cognitive impairment and functional cognitive impairment (depression)
R. MERONI, I. APPOLLONIO, M. BEGHI, C. PERIN, F. PERONI, M. POLITA, B. VIGANÒ, C. CORNAGGIA
51. Effects of dynamic tilt-table with integrated robotic stepping associated with functional electrical stimulation in acute stroke: a pilot study
D. PISCITELLI, L. PELLICCARI, R. MERONI, D. RUMA, C. CERRI, E. TALLARITA
52. Design of a protocol for osteopathic manipulative treatment for frequent episodic tension-type headache (EBOTTH)
L. TREMOLIZZO, M. GIODA, F. SOMALVICO, A. MAGGIANI, L. PAPA, F. SPAZIANTE, M. ROPPOLO, G. TORNATORE, G. ROLLE
53. Sport Therapy and Osteopathy Manipulative Treatment in ALS (ME_E_SLA)
L. TREMOLIZZO, A. FERRI, G. CORNA, C. LUNETTA, V. SILANI, N. RIVA, A. RIGAMONTI, A. MAGGIANI, C. FERRARESE, F. LANFRANCONI, MOTOR STUDY GROUP

Genetics

54. Glioblastoma multiforme: a multidisciplinary approach to overcome chemoresistance and find new therapeutic strategies
G. RIVA, C. NEGRONI, C. CILIBRASI, G. ROMANO, S. REDAELLI, C. GIUSSANI, R. GIOVANNONI, A. BENTIVEGNA

Neurobiology

55. Translational approach to chemotherapy induced peripheral neurotoxicity (CIPN) " Neurophysiology as the link between bench and bed-side
P. ALBERTI, G. FUMAGALLI, G. CAVALETTI
56. MEF2C and MEF2D alterations in sporadic and familial ALS patients: a possible correlation with disease progression?
A. AROSIO, A. AROSIO, G. SALA, V. RODRIGUEZ-MENENDEZ, D. GRANA, F. GERARDI, C. LUNETTA, C. FERRARESE, L. TREMOLIZZO

Poster session: Selected Interdisciplinary NeuroMi Projects

57. In vitro activity and neurotoxicity of new promising metal-based anticancer complexes
C. CERESA, G. NICOLINI, S. SEMPERBONI, M. PELLEI, N. MARGIOTTA, V. GANDIN, J. HOESCHELE, C. SANTINI, G. CAVALETTI
58. Cracking the Neural Code - A Gedanken Experiment: "The Alien Task"
M. CERIZZA
59. Effects of neoglycosylated collagen matrices on neuroblastoma and human stem cells: a new perspective for neuro-regeneration?
L. CIPOLLA, L. RUSSO, A. SGAMBATO, R. GUIZZARDI, M. LECCHI, V. PASTORI, L. PETECCHIA, P. GAVAZZO, M. VASSALLI
60. Oxidative stress and altered mitochondrial dynamics in neurodegenerative processes
M. FORMENTI, F. APREA, G. SALA, C. ZOIA, C. RIVA, D. MARINIG, F. MARTORANA, B. SALA, E. BUGLIONE, A. KOLODKIN, L. SAVARESE, R. BALLING, M. PAPA, L. ALBERGHINA, C. FERRARESE, AM. COLANGELO
61. Evaluation of in vitro antitumoral activity and neurotoxicity of a Hibiscus Sabdariffa ethyl acetate fraction against human multiple myeloma cells
A. MALACRIDA, R. RIGOLIO, G. NICOLINI, A. CASSETTI, G. CAVALETTI, M. MILOSO
62. Role of Glutathione in Mesenchymal Stem Cell mediated neuroprotection
M. MONFRINI, M. RAVASI, D. MAGGIONI, G. TREDICI, G. CAVALETTI, A. SCUTERI
63. Targeting sirtuins may reduce oxidative stress and neurodegeneration in Parkinson's disease in vitro models
I. RAIMONDI, S. RODILOSSI, G. FORLONI, D. ALBANI
66. Epigallocatechin-3-Gallate and related compounds contrast ataxin-3 amyloid aggregation and relieve toxicity in a caenorhabditis elegans animal model
M.E. REGONESI, C. VISENTIN, M. BONANOMI, J. MODICA, A. NATALELLO, C. AIROLDI, L. AMIGONI, SM. DOGLIA, P. TORTORA
65. Automatic Calibration of Cerebellar Stellate Neuronal Models using Swarm Intelligence
M.F. RIZZA, M. NOBILE
66. Rotenone-induced down-regulation of HSPA8/hsc70 protein increases alpha-synuclein in vitro: possible implications for Parkinson's disease
G. SALA, D. MARINIG, C. RIVA, A. AROSIO, L. BRIGHINA, M. FORMENTI, L. ALBERGHINA, A. COLANGELO, C. FERRARESE,

Poster session: Selected Interdisciplinary NeuroMi Projects

67. The one-carbon metabolism in anorexia nervosa of the restrictive type
L. TREMOLIZZO, E. CONTI, F. CORBETTA, M. BOMBA, F. NERI, C. FERRARESE,
R. NACINOVICH
68. Development of a novel multicellular in vitro model of Alzheimer's disease-like blood-brain barrier
SIMONA MANCINI, W. SCHEPER, C. ALMEIDA, S. BOURDOULOUS, T.G OHM, F. RE

Neuroimaging

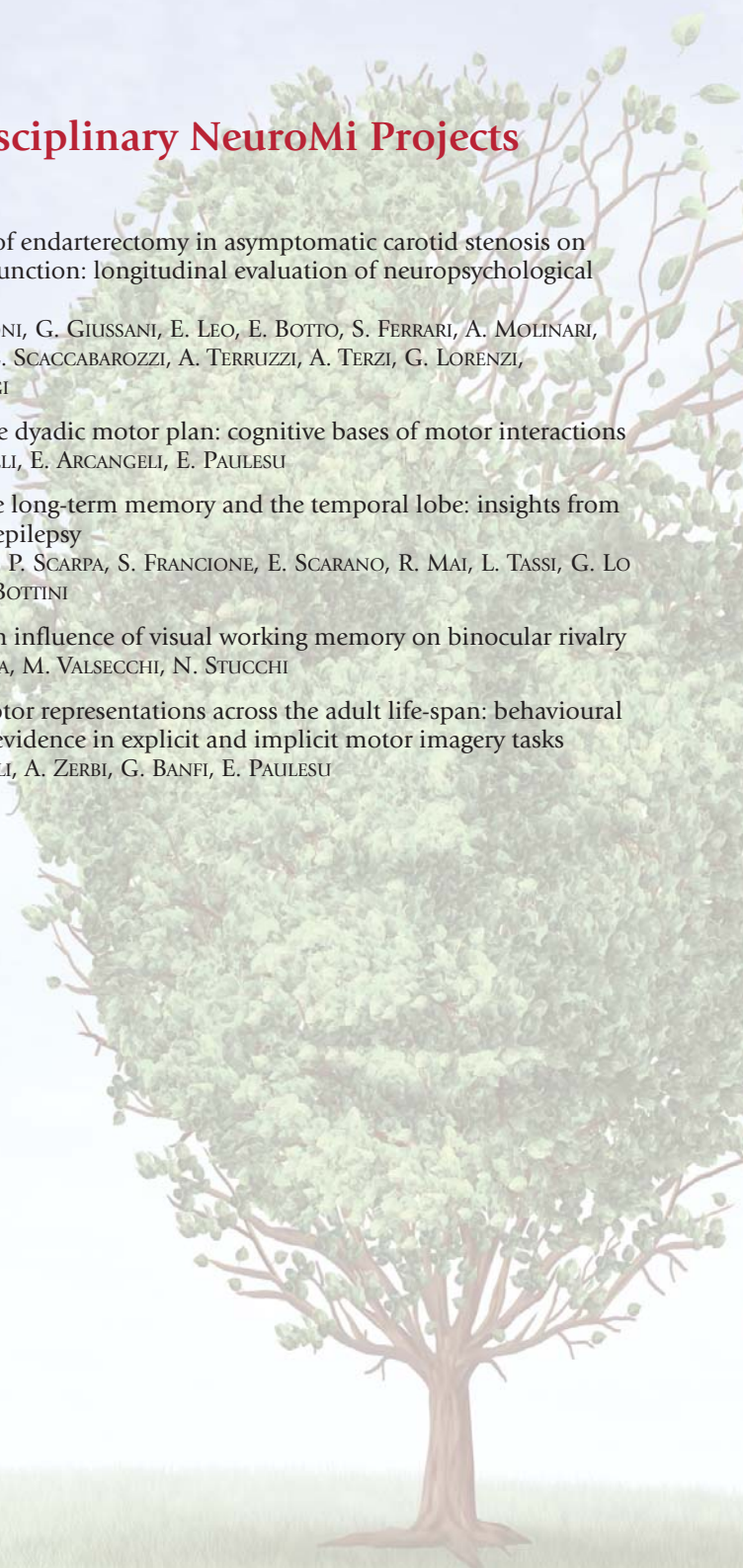
69. How many deficits in the same dyslexic brains? Behavioural and fMRI evidence
L. DANELLI, M. BERLINGERI, M. LUCCHESI, A. BORGHESE, M. SBERNA,
G. BOTTINI, E. PAULESU
70. Functional effects of hand disuse in patients with trapeziometacarpal joint osteoarthritis
M. GANDOLA, L. ZAPPAROLI , G. SAETTA, E. ROLANDI, P. INVERNIZZI, A. DE SANTIS, G. BANFI, M. BRUNO , E. PAULESU
71. A Step in Mind: Neural Signatures of Motor Imagery and Imitation of Gait in Healthy Elderly
L.M. SACHELI, C. DE SANTIS, L. ZAPPAROLI, M. PRETI, C. PELOSI, B. BODINI,
N. URSINO, A. ZERBI, G. BANFI, E. PAULESU
72. Nicotine boosts activation of frontal brain areas subserving working memory in visuospatial attention orienting
A. ZANI, V. LORENZI, A. M. PROVERBIO

Neuropsychology and Behaviour

73. Affective Audio Analysis using objective features
F. GASPARINI, S. CORCHS, A. GROSSI
74. Tool use and concept representation in the brain: a study on three neurodegenerative patients
I. MAURI, V. ISELLA, C. MAPELLI, C. LUZZATTI
75. Neuro-cognitive disorders following hip fracture: a retrospective analysis on patients who had surgery and post-surgical rehabilitation
R. MERONI, C. PERIN, R. BERTOJA, C. CORNAGGIA, E. GUALANDRIS, C. CERRI

Poster session: Selected Interdisciplinary NeuroMi Projects

76. Influence of endarterectomy in asymptomatic carotid stenosis on cognitive function: longitudinal evaluation of neuropsychological changes
R. REGAZZONI, G. GIUSSANI, E. LEO, E. BOTTO, S. FERRARI, A. MOLINARI, G. ROSSI, C. SCACCABAROZZI, A. TERRUZZI, A. TERZI, G. LORENZI, A. SALMAGGI
77. Finding the dyadic motor plan: cognitive bases of motor interactions
L.M. SACHELI, E. ARCANGELI, E. PAULESU
78. Declarative long-term memory and the temporal lobe: insights from refractory epilepsy
G. SALVATO, P. SCARPA, S. FRANCIONE, E. SCARANO, R. MAI, L. TASSI, G. LO RUSSO, G. BOTTINI
79. Task-driven influence of visual working memory on binocular rivalry
L. SCOCCHIA, M. VALSECCHI, N. STUCCHI
80. Mental representations across the adult life-span: behavioural and fMRI evidence in explicit and implicit motor imagery tasks
L. ZAPPAROLI, A. ZERBI, G. BANFI, E. PAULESU



GENERAL INFORMATION

Congress venue

University of Milano - Bicocca
Great Hall - Building U6
Piazza del Nuovo Ateneo, 1
Milan

Directions



By train

The station closest to the Università degli Studi di Milano-Bicocca is Milano Greco Pirelli, which can be directly accessed by from these railway lines:

S9	S8
Saronno-Albairate	Lecco - Milan - Pta Garibaldi
S11	R trains
Chiasso - Milan Pta Garibaldi	Milan - Treviglio-Brescia
	Milan - Bergamo via Carnate
	Milano - Monza - Molteno - Lecco
	Milano - Lodi - Piacenza
	Milano - Pavia - Voghera

The Milano Greco Pirelli station is reachable from:

- Milano Porta Garibaldi in about 7 minutes with 4 trains departing per hour
- Milan Lambrate in about 7 minutes using line S9 and R trains to/from Brescia, plus a few trains departing from Piacenza, Voghera

By taking Viale dell'Innovazione, the street next to the Arcimboldi theatre, you will reach Piazza dell'Ateneo Nuovo and buildings U6/U17.

From Central Station you can take bus 87.

For more information please visit this website: Trenitalia.



By plane

From Milan Linate airport, take bus 73 towards S. Babila M1. At the last stop continue on line 1 of the Metro.

Those arriving at Milan Malpensa airport can take the Malpensa Express shuttle train. We advise you to use trains that stop at Milan Porta Garibaldi station.

Alternatively from Cadorna Station, take line 1 of the Metro, in the direction of Sesto 1° Maggio F.S.



By car

From the Turin-Venice motorway, exit "Milano - viale Zara" and take the direction towards 'Milano Centro'.

After passing the sign indicating the city of Milan, at the StarTourist Hotel on the left, take Viale Sarca, the first street parallel to the one you find yourself on, on the left side.

Continuing along Viale Sarca in the same direction you will find the University on your left after about one kilometre.

Registration

Single individuals will only be able to register online through the site www.neuromi2016.it. Before the 20 June 2016 they will be able to take advantage of the subsidised fee.

The fee includes: participation in the scientific studies, conference kit, certificate of attendance, opening ceremony, welcome cocktail, working buffet lunches, conference proceedings supplement of the Journal of Alzheimer's Disease (JAD).

Category	Until 20th June	From June 21st
Medical registration fee	€ 350	€ 400
Other professions registration fee	€ 250	€ 300
Junior Specialist Registration fee/under 35 years old	€ 150	€ 150
Associated NeuroMi		free registration

Fees are inclusive of 22% iva (tax).

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CME Accreditation

The National Commission for Continuing Education has welcomed the provisional accreditation of the SIN (Italian Society of Neurology) as CME PROVIDER (assigned number 1802).

The ECM Accreditation for Congress "Prediction and Prevention of Dementia: New Hope" has been requested for the following positions: Medical Doctor, Psychologist

Topic areas: neurologist, clinical biochemistry, pharmacology, medical genetics, geriatric medicine, general medicine, nuclear medicine, neurosurgery, neurology, psychiatry, radiology, food science

Congress has got 7.5 credits.

All professions and disciplines not set out in the previous list are excluded from the acquisition of CME credits, but can still take part in the event (whether in the classroom has not reached the maximum limit of attendance required under accreditation).

Posters instruction

Posters have to be affixed on the first day of the congress.

Posters will remain on display for the whole congress.

Posters's dimension: 70 cm. x 100 cm.

Proceedings

Abstracts of invited lectures, oral communication, poster are published on Journal of Alzheimer's Disease (JAD)

online: <http://content.iospress.com/journals/journal-of-alzheimers-disease/53/s1>

Language

The official language of the conference is English.

Congress website

www.neuromi2016.it

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