Sindem4juniors

HOSTS, WITHIN ITS 3rd WINTER SEMINAR ON DEMENTIA, THE SYMPOSIUM ENTITLED: “THE ROLE OF COGNITIVE RESERVE IN NORMAL AGING AND DEMENTIA”

Issued by the support of the Italian Ministry of Health; Grant No. 150/RF-2009-1491699 to M. Bozzali

JANUARY 21-23, 2015
BRESSANONE, ITALY
DOLOMITI - SUD TIROL

SEMINAR WORKING SESSIONS
January 22-23, 2015 15.30-22.30

Organized by SINDEM4JUNIORS Young Members’ Executive Committee of THE ITALIAN NEUROLOGICAL DEMENTIA ASSOCIATION
Wednesday-21 January 2015

14.45-15.00 Welcome & Announcements
A. Padovani (Brescia, Italy);
M. Musicco (Milan, Italy);
M. Bozzali (Rome, Italy)

15.00-15.15 Introduction to the Symposium
M. Bozzali (Rome, Italy)

15.15-16.00 The concept of “Cognitive Reserve”
R. Perneczky (Munich, Germany)

16.00-16.45 Cognitive impairment, cognitive reserve and quality of life in dementia
S. Banerjee (Brighton, UK)

16.45-17.30 Studying early-onset dementia to enhance our appreciation of the molecular signatures of neurodegenerative dementia
J. Van der Zee (Antwerpen, Belgium)

17.30-18.00 Coffee break

18.00-18.45 Cognitive and brain reserve in normal aging and dementia: the Neuroimaging perspective
D. Perani (Milan, Italy)

A. Flöel (Berlin, Germany)
Thursday - 22 January 2015

10.00-13.15  TEACHING COURSE**
Neuroimaging

15.30 17.15  1st Session
Neuroimaging and brain connectivity

Chairmen: F. Agosta (Milan, Italy) - G. Koch (Rome, Italy)

15.30-16.00  Opening Lecture
Brain Connectomics in neurodegenerative diseases
M. Huevel (Utrecht, The Netherlands)

16.00-16.15  The influence of age and mild cognitive impairment on associative memory performance and underlying brain networks
C. Oedekoven (Sussex, UK)

16.15-16.30  Widespread networks disconnection accounts for clinical symptoms in Myotonic dystrophy Type-1
L. Serra (Rome, Italy)

16.30-16.45  Modifications of resting state functional connectivity anticorrelations between DMN and DAN during life-span and in MCI patients
R. Esposito (Chieti, Italy)

16.45-17.00  Structural connectivity disruption in dementia with Lewy Body and Alzheimer’s Disease
S. Delli Pizzi (Chieti, Italy)

17.00-17.15  Connectivity alterations in different forms of dementia
V. Viola (Rome, Italy)

17.15 17.45  Coffee break

** See Program below
Opening Lecture
New Criteria for frontotemporal dementia (FTD)
Y. AL Pijnenburg (Amsterdam, Netherlands)

Structural and Functional correlates of Cognitive Reserve in Frontotemporal Dementia
E. Premi (Brescia, Italy)

Italian Frontotemporal Dementia Network (FTD Group-SINDEM): sharing clinical and diagnostic procedures in Frontotemporal Dementia in Italy
R. Turrone (Brescia, Italy)

Mild Cognitive Impairment-FTD (MCI-FTD): a nosological entity missed by current criteria
M. Cosseddu (Brescia, Italy)

Grey and White Matter MRI Signatures of the Frontotemporal Lobar Degeneration Continuum
S. Galantucci (Milan, Italy)

Neuroimaging features of genetic FTLD in symptomatic and asymptomatic mutation carriers
A. Arighi (Milan, Italy)

Development of a visual rating scale for atrophy of the anterior cingulate, insula and frontal lobes
G. G. Fumagalli (Milan, Italy)
1. **Apolipoprotein e4 Allele Modulates Functional Connectivity in Mild Cognitive Impairment**
   M. De Marco (Sheffield, UK)

2. **Automated segmentation of white matter hyperintensities in people at risk of Vascular cognitive impairment**
   G. B. Bonifacio (Worthing, UK)

3. **Brain functional changes after action observation therapy in Parkinson’s disease patients with freezing of gait**
   E. Sarasso (Milan, Italy)

4. **Brain structural changes in the course of Alzheimer’s disease**
   E. Canu (Milan, Italy)

5. **Cerebellar tDCS in patients with ataxic disorders: a double-blind, randomized, crossover, sham-controlled study**
   A. Benussi (Brescia, Italy)

6. **Cognitive reserve accounts for different topological properties in brain networks in patients with Alzheimer’s disease and amnestic Mild Cognitive Impairment**
   L. Serra (Rome, Italy)

7. **Different Patterns of Structural Connectivity among Amnestic Mild Cognitive Impairment Subtypes and Alzheimer Disease**
   B. Spanò (Rome, Italy)

8. **Hippocampus subfields are differently altered in dementia with Lewy bodies and Alzheimer’s Disease**
   S. Delli Pizzi (Chieti, Italy)

9. **Left parietal cortex tDCS enhances gesture processing in Corticobasal Syndrome**
   M. Bianchi (Sheffield, UK)
10 Neuropsychological and transcranial direct current stimulation in Posterior Cortical Atrophy: a longitudinal fMRI study
L. L. Gramegna (Bologna, Italy)

11 New onset of dementia or previous cognitive impairment: a 3-month and 1 year after stroke overview
S. Caratozzolo (Brescia, Italy)

12 The impact of white matter hyperintensities on brain functional connectivity in amnestic mild cognitive impairment patients
M. Torso (Rome, Italy)

13 White matter microstructural damage and cognitive impairment in Parkinson’s disease
D. Gagliardi (Milan, Italy)

14 Altered connectivity in Visual and the Sensori-Motor networks reflects cognitive performances in Parkinson’s disease
F. L. Saibene (Milan, Italy)

15 A Multi-Voxel Pattern Analysis (MVPA) to Define Neuroimaging Markers in Granulin Disease
M. Diano (Turin, Italy)

16 Cortical thinning and white matter tract damage in relation to cognition in motor neuron diseases
P. M. Ferraro (Milan, Italy)

17 Iron and FTD: a new subcortical pathological pathway?
S. Gazzina (Brescia, Italy)

18 Integration of gray and white matter investigation in Alzheimer’s Disease: a novel in vivo multimodal approach
M. Cabinio (Milan, Italy)

19 Looking for measures of disease severity in Frontotemporal Lobar Degeneration
P. Costa (Brescia, Italy)

20 The effects of age-related brain changes on mental state attribution using the standardized version of the Story-based Empathy Task
A. Dodich (Milan, Italy)
20.45 - 22.30  3rd Session
PET Neuroimaging and CSF biomarkers

Chairmen: C. Cerami (Milan, Italy) E. Premi (Brescia Italy)

20.45-21.15  Opening Lecture
Advanced research methods in PET molecular imaging: tau deposits and neuroinflammation measurements disease
V. Garibotto (Genève, Switzerland)

21.15-21.30  Interaction between Cognitive Reserve and CSF-biomarkers accounts for hypometabolism in Alzheimer’s Disease patients
E. Carapelle (Foggia, Italy)

21.30-21.45  Role of Free and Cued Selective Reminding Test (FCSRT) in detecting prodromal Alzheimer’s Disease: brain metabolism correlates through FDG-PET
A. Spotti (Parma, Italy)

21.45-22.00  Crossed nonfluent/agrammatic primary progressive aphasia in a right-handed individual with right
E. G. Spinelli (Milan, Italy)

22.00-22.15  An atypical case of sporadic presenile dementia
D. Saracino (Naples, Italy)

22.15-22.30  CSF biomarkers evaluation in EOAD with typical and atypical presentation and comparison with LOAD
S. Toniolo (Rome, Italy)
Friday - 23 January 2015

10.00 13.15 TEACHING COURSE**
Empathy and Social Cognition

15.30 17.15 1st Session
Fronto Temporal Dementia 2
Chairmen: D. Galimberti (Milan, Italy) - E. Marcello (Milan, Italy)

15.30-16.00 Opening Lecture
Latest biomarkers identified for FTD
C. Teunissen (Amsterdam, Netherlands)

16.00-16.15 P62/SQSTM1 genetic variability in an Italian population of FTLD patients
E. Oldoni (Milan, Italy)

16.15-16.30 The FOXP2 gene modifies grey matter atrophy pattern in Fronto-Temporal Lobar Degeneration
D. Paternicò (Brescia, Italy)

16.30-16.45 Novel N-terminal domain mutation in prion protein detected in two patients diagnosed with frontotemporal lobar degeneration syndrome
C. Cupidi (Catanzaro, Italy)

16.45-17.00 Frontotemporal dementia related to TARDBP mutations: clinical phenotypes and radiological findings
F. Di Stefano (Cagliari, Italy)

17.00-17.15 CSF biomarkers in Logopenic Aphasia and Posterior Cortical Atrophy
R. Santangelo (Milan, Italy)

17.15 17.45 Coffee break

** See Program below
17.45-19.45 2nd Session
Atypical Alzheimer’s Disease

Chairmen: J. Acosta Cabronero (Magdeburg, Germany)
C. Bonifacio (Worthing, Uk)

17.45-18.15 Opening Lecture
Evolving themes in atypical Alzheimer's
L. Migliaccio (Paris, France)

18.15-18.30 White matter degeneration in atypical Alzheimer’s disease
F. Agosta (Milan, Italy)

18.30-18.45 Grey matter and white matter MRI markers of cognitive progression in early and late onset variants of Alzheimer’s disease
D. Mattavelli (Milan, Italy)

18.45-19.00 Clinical and Electrophisiolgical differences between Early Onset and Late Onset Alzheimer Disease Patients
F. Di Lorenzo (Rome, Italy)

19.00-19.15 Memory loss following bilateral medial-temporal damage in herpes simplex virus encephalitis: neural network model implications in Alzheimer’s disease
S. Gardini (Parma, Italy)

V. Laganà (Catanzaro, Italy)

19.30-19.45 Role of TREM2 in patients with Alzheimer’s disease: genetic variability and mRNA expression
S. Cioffi (Milan, Italy)
1. Computer-Based Cognitive Rehabilitation in patients with Multiple Sclerosis and Mild Cognitive Impairment
M. Mitolo (Sheffield, UK)

2. Cognitive reserve and neuropsychological functioning in healthy aging
N. Caputi (L’Aquila, Italy)

3. Is right to think that premorbid Apathy could be a predictor of Post Stroke Dementia due to Alzheimer disease or not?
S. Caratozzolo (Brescia, Italy)

4. Track change from normal cognition to early stage dementia: development of a naming task
O. Billette (Magdeburg, Germany)

5. Neural and cognitive dynamics of multiple-object processing in Alzheimer’s disease
C. Bagattini (Verona, Italy)

6. Predicting the rate of cognitive decline in Alzheimer’s disease: data from the ICTUS study
M. Canevelli (Rome, Italy)

7. Cerebral amyloid angiopathy-related inflammation in an Alzheimer’s disease patient: when improvement is possible
E. Susani (Milan, Italy)

8. Cortico-basal syndrom with Asp22fs GRN mutation: a case report
M. Mercurio (Milan, Italy)

9. Early onset dementia, parkinsonism and ataxia associated with brain iron deposits and a novel gene mutation in ceruplasmin gene
L. Poli (Brescia, Italy)

10. The novel GRN g.1642_1645delTGAG mutation is associated with language and behavioural impairment, and parkinsonism
M. Arcaro (Milan, Italy)
11 Preanalytical Confounding Factors in the Analysis of Alzheimer’s Disease (AD) Csf Biomarkers: The Issue of Diurnal Variation
C. Cicognola (Perugia, Italy)

12 Profiling of specific gene expression pathways in peripheral cells from Alzheimer’s disease patients
M. Serpente (Milan, Italy)

13 Visual short-term memory deficits in Mild Cognitive Impairment
E. Sartorio (Milan, Italy)

20.45-22.30 3rd Session
Cognition and Alzheimer’s Disease

Chairmen: M. Bozzali (Rome, Italy) M. Mitolo (Sheffield, UK)

20.45-21.15 Opening Lecture
Spatial memory in Alzheimer’s disease
C. Bird (Sussex, UK)

21.15-21.30 Effects of a computer-based cognitive training on functional connectivity of mild Alzheimer’s Disease
F. Barban (Rome, Italy)

21.30-21.45 APOE e4 effects on regional brain volume and correlations with memory and attentional performance
S. Evans (Brighton, UK)

21.45-22.00 Assessing Theory of Mind decline in the conversion from aMCI to Alzheimer’s Disease: a longitudinal single-case study
F. Savazzi (Milan, Italy)

22.00-22.15 Differential patterns of cognitive and affective Theory of Mind deficits in neurodegenerative diseases
A. Dodich (Milan, Italy)

22.15-22.30 The impact of modifiable risk factors reduction on Dementia incidence: results from an Italian cohort study
F. Prinelli (Milan, Italy)
Thursday-22 January 2015
TC Neuroimaging

10.00-10.30  Introduction to MR physics  
J. Acosta-Cabronero  
(Magdeburg, Germany);  
E. Premi (Brescia, Italy)

10.30-11.15  Practical examples of structural  
MRI application (atrophy and DTI)  
S. Galantucci (Milan, Italy)

11.15-11.30  Coffee Break

11.30-12.15  Practical examples of functional  
MRI application  
F. Barban (Rome, Italy)

12.15-13.00  Voxel-based FDG-PET SPM  
analysis at the single-subject level  
C. Cerami (Milan, Italy)

13.00-13.15  Final discussion
Friday-23 January 2015
TC Empathy and Social Cognition

10.00-10.30 Theoretical basis of social cognition
S. Cappa (Pavia, Italy)

10.30-11.00 Emotion recognition and social skills in normal and pathological contexts
M. Balconi (Milan-Brescia, Italy)

11.00-11.30 Social cognition: from clinic to research
C. Azuar (Paris, France)

11.30-12.00 Coffee Break

12.00-12.30 Empathy and emotion recognition disorders in ALS-FTD spectrum
A. Canosa (Turin, Italy)

12.30-13.00 Neuropsychological assessment of social cognition disorders
A. Dodich (Milan, Italy)

13.00-13.15 Final discussion
M. Mitolo (Sheffield, UK); C. Cerami (Milan, Italy)
Scientific Committee

Julio Acosta-Cabronero
Federica Agosta
Andrea Arighi
Francesco Barban
Guendalina Beatrice Bonifacio
Chiara Cerami
Elena Marcello
Micaela Mitolo
Enrico Premi
General information

- Official language will be English
- Submission is restricted to investigators under 40 years of age.
- The number of participants will be limited to 130.
- Priority will be given to applicants whose scientific contribution will be accepted for presentation.

Express dedicated shuttle service from Milan to Bressanone and back, for all Speakers and Participants will be provided so to create the write atmosphere before and after the meeting.

Discounts for skiing will be provided for those interested.

ON LINE REGISTRATION
http://www.sindem.it/sindem4juniors/REGISTRATION.ASPX

ABSTRACT SUBMISSION
http://www.sindem.it/sindem4juniors/SendAbstractBase.aspx

Registration entitles Sindem Members to free entry to the X National SINDEM Congress held in Genoa, 26-28 March 2015.

S4J & SINDEM will publish their abstracts as a supplement issue of JAD Journal of Alzheimer’s Disease

For further informations please contact
info@all41.it

web: www.sindem.it/sindem4juniors