Faculty members and provisional topics

As of February 4, 2013

Day 1 (afternoon)
Opening Lecture
Giacomo Rizzolatti Milan

Day 2
Basic science

Signaling in live animals A. Konnerth Monaco
Optogenetics and applications T. Fellin Genova
New technologies in microscopy A. Diaspro Genova
Genetically encoded probes T. Pozzan Padova

Day 3
Diagnosis

The clinical use of structural MRI G.B Frisoni Brescia
The clinical use of functional MRI D. Perani Milan
The clinical use of biomarkers A. Padovani Brescia

Day 4
Epidemiology and clinical aspects

Epidemiology: The new generation studies L. Ferrucci NIA, MIH, Bethesda, MD, USA
Traditional and innovative risk factor assessment  L. Fratiglioni, Karolinska Institute, Stockholm, Sweden
Clinical aspects  R. Besdine, Brown University, Providence, RI, USA
Train the Brain Study: rationale and preliminary results (TBD)

Day 5
2 SUBGROUPS

1. Visit to Abano Hospital (Prof. U. Salvolini, Prof. of Neuroradiology, Ancona University)
   Laboratory on Neuroimaging: presentation and discussion of clinical cases

2. Visit to the Venetian Institute of Molecular Medicine (Prof. T. Pozzan, Scientific Director)

3. Visit to the San Camillo Insitute of Neuro-rehabilitation- Venice (Dr. P. Tonin-Deputy Director)
   Application of telemedicine in the field of neuro-rehabilitation

Day 6
Presentation and discussion of students’ projects