

## **Faculty members and provisional topics**

*As of February 4, 2013*

### **Day 1(afternoon)**

#### **Opening Lecture**

Giacomo Rizzolatti Milan

### **Day 2**

#### **Basic science**

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

### **Day 3**

#### **Diagnosis**

<i>The clinical use of structural MRI</i>	G.B Frisoni Brescia
<i>The clinical use of functional MRI</i>	D. Perani Milan
<i>The clinical use of biomarkers</i>	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 Institute 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**