

Inaugural meeting of the  
**INSTITUT DE NEUROSCIENCES COGNITIVES DE LA MEDITERRANEE (INCM)**

***The Dynamic Brain***

**September 22 - 24, 2005, Marseille, France**

CNRS – GLM Salle de Conférences  
31, chemin Joseph Aiguier  
13009 Marseille, France

[http://incm.cnrs-mrs.fr/dynamic\\_brain.php](http://incm.cnrs-mrs.fr/dynamic_brain.php)



The organizing committee:  
Mireille Besson, Eric Castet, Joël Fagot, Joëlle Forestier,  
Jozina de Graaf, Taarabte Iherti, Alexa Riehle

## Thursday September 22, 2005

9:00 Opening: **Driss Boussaoud**, director of the INCM

### 9:15 - 12:15 **Symposium 1: Dynamics of Brain Connectivity**

chaired by: **Alexa Riehle**

9:15- 9:55 keynote: **Moshe Abeles**, Bar Ilan Univ., Ramat Gan, Israel  
*Organization of cortical activity in space and time*

9:55-10:25 **Andrew B. Schwartz**, Pittsburgh Univ., Pittsburgh, PA, USA  
*Useful signals from motor cortex.*

10:25-10:55 **Markus Diesmann**, BCCN, Freiburg, Germany  
*Spike synchronization by fast input transients*

10:55-11:15 Break

11:15-11:45 **Olivier Bertrand**, INSERM, Lyon, France  
*Dynamics of oscillatory networks in humans: from intracranial EEG recordings to surface EEG/MEG*

11:45-12:15 Discussion: **Ad Aertsen**, BCCN, Freiburg, Germany  
**Patrick Chauvel**, Univ. de la Méditerranée, Marseille, France  
**Alexa Riehle**, INCM-CNRS, Marseille, France

12:15 - 14:00 Lunch / Posters

### 14:00 - 17:00 **Symposium 2: Dynamics of Attentional Processes**

chaired by: **Eric Castet**

14:00-14:40 keynote: **Michael E. Goldberg**, Columbia Univ., New York, NY, USA  
*The lateral intraparietal area as a salience map: multiple uses and multiple signals in the parietal cortex*

14:40-15:10 **Marisa Carrasco**, New York Univ., New York, NY, USA  
*Temporal dynamics of covert attention*

15:10-15:40 **Jennifer Coull**, LNC-CNRS, Marseille, France  
*Attending to time: attentional modulation and attentional control*

15:40-16:00 Break

16:00-16:30 **Hans-Jochen Heinze**, Univ. Magdeburg, Magdeburg, Germany  
*The temporal priority of visual selection*

16:30-17:00 Discussion: **Leslie Ungerleider**, NIH, Bethesda, MD, USA  
**Jean René Duhamel**, ISC-CNRS, Lyon, France  
**Eric Castet**, INCM-CNRS, Marseille, France

17:30-19:00 Special Evening Lecture (sponsored by *CogniSud*)

**Marc Jeannerod**, ISC-CNRS, Lyon, France

*Identifying oneself as an acting self. The sense of agency*

19:00 Aperitif / Posters

## Friday September 23, 2005

### 9:00 - 12:00 **Symposium 3: Intention: Moving in the Brain**

chaired by: **Driss Boussaoud**

9:00- 9:40 keynote: **Patrick Haggard**, University College, London, UK  
*Thought into action: Intention and experience in the motor areas of the brain*

9:40-10:10 **Helen E. Savaki**, Univ. Crete, Iraklion, Crete, Greece  
*Observation of action: grasping with the mind's hand*

- 10:10-10:40 **Roberto Caminiti**, La Sapienza, Rome, Italy  
*Neural codes for movement in parietal cortex*
- 10:40-11:00 Break
- 11:00-11:30 **Ivan Toni**, F.C. Donders Center, Nijmegen, The Netherlands  
*Grasping sensorimotor interactions*
- 11:30-12:00 Discussion: **Gregor Schöner**, Neuroinformatics, RUB, Bochum, Germany  
**Driss Boussaoud**, INCM-CNRS, Marseille, France  
**Jozina de Graaf**, INCM-CNRS, Marseille, France

**Free afternoon** (suggested tours: boat ride to the islands of *Château d'If* and *Frioul*, guided tour of the old city around the Old Harbour and the *Vieille Charité, Calanques...*)

## Saturday September 24, 2005

- 9:00 - 12:00 **Symposium 4: The Everchanging Brain**  
chaired by: **Joël Fagot**
- 9:00- 9:40 keynote: **Jules Davidoff**, Goldsmiths College, London, UK  
*Are perceptual categories universal?*
- 9:40-10:10 **Daphne Bavelier**, Univ. Rochester, Rochester, NY, USA  
*Plasticity of visual functions: the case of deafness and video games*
- 10:10-10:40 **Jocelyne Bachevalier**, Emory Univ., Atlanta, GA, USA  
*Development of medial temporal lobe functions in nonhuman primate.*
- 10:40-11:00 Break
- 11:00-11:30 **Jean Luc Velay**, INCM-CNRS, Marseille, France  
*Does the way to write influence letter perception?*
- 11:30-12:00 Discussion: **Tatjana Nazir**, ISC-CNRS, Lyon, France  
**Joël Fagot**, INCM-CNRS, Marseille, France  
**Martine Meunier**, INCM-CNRS, Marseille, France
- 12:00 : 14:00 Lunch / Posters
- 14:00 - 17:00 **Symposium 5: language, Music and Emotion**  
chaired by: **Mireille Besson**
- 14:00-14:40 keynote: **Peter Hagoort**, F.C. Donders Center, Nijmegen, The Netherlands  
*The MUC (Memory, Unification, Control) model of language*
- 14:40-15:10 **Emmanuel Bigand**, LEAD-CNRS, Dijon, France  
*The time course of emotional responses to music*
- 15:10-15:40 **Bruno Wicker**, INCM-CNRS, Marseille, France  
*Imaging the socio/emotional mind in psychopathology*
- 15:40-16:00 Break
- 16:00-16:30 **Michel Habib**, INCM-CNRS, Marseille, France  
*The dyslexic brain: from structure to function*
- 16:30-17:00 Discussion: **Mireille Besson**, INCM-CNRS, Marseille, France  
**Daniele Schön**, INCM-CNRS, Marseille, France
- 17:00 Closing remarks
- 20:00 Farewell Dinner for the speakers