Program for the inaugural conference of the INT (Sept. 20-21, 2012)

Sept. 20, 2012

Guillaume Masson, director of the INT: Welcome Address

Session 1: Dynamics of Motor Control - chair: Alexa Riehle (INT)

8h:45 – 09:00  Guillaume Masson, director of the INT: Welcome Address

09:00 – 09:20  INT speaker: Laurent Vinay
09:20 – 10:00  Sten Grillner (Karolinska, Stockholm, Sweden): The computational logics of networks in motion – from ion channels to behavior
10:00 – 10:40  Jörn Diedrichsen (ICN/UCL, London, UK): Optimal encoding of motor skills in cortical networks
10:40 – 11:10  coffee break & posters
11:10 – 11:50  Eberhard Fetz (U Washington, Seattle, USA): Bidirectional interactions between the brain and implantable computers
11:50 – 12:30  Nicholas Hatsopoulos (U Chicago, USA): Spatio-temporal spike patterning in motor cortex

12:30 – 14:30 lunch & posters

Session 2: Emotion and Motivation - chair: Thierry Chaminade (INT)

14:30 – 14:50  INT speaker: Christelle Baunez
15:30 – 16:10  Trevor Robbins (Cambridge, UK): Fractionating impulsivity: Neuropsychiatric implications
16:10 – 16:40  coffee break & posters
16:40 – 17:20  Claus Lamm (Univ. Vienna, Austria): Using a multi-modal neuroimaging approach to unravel the versatile social brain
17:20 – 18:00  Luc Mallet (ICM, Paris, France): Bridging the gap between physio- and psychopathology: the example of DBS in Human-Repetitive Behaviors

18:30 wine & cheese & posters

Sept. 21, 2012

Session 3: From Retina to Perception - chair: Laurent Goffart (INT)

09:00 – 09:20  INT speaker: Frédéric Chavane
09:20 – 10:00  Avinoam B. Safran (Institut de la Vision, Paris): Cerebral reorganization following retinal alteration in adults. Perceptual implications
10:00 – 10:40  John Maunsell (Harvard Medical School, Boston, MA, USA): Attention, perception,
and the representations of visual stimuli by neuronal populations
10:40 – 11:10 coffee break & posters
11:10 – 11:50 Patrick Cavanagh (Paris Descartes, France): Coding perceived position on saccade maps
11:50 – 12:30 Moshe Bar (Bar Ilan, Ramat Gan, Israel): The proactive brain: predictions in visual cognition

12:30 – 14:30 lunch & posters

Session 4: New Advances in Brain Imaging at Multiple Scales - chair: Hélène Bras (INT)

14:30 – 14:50 INT speaker: Ivo Vanzetta
14:50 – 15:30 Nikos Logothetis (MPI Tübingen, Germany): In vivo connectivity: paramagnetic tracers, electrical stimulation & neural-event triggered fMRI
15:30 – 16:10 Ilka Diester (ESI, Frankfurt, Germany): Investigating neural circuits with optogenetics in rodents and primates
16:10 – 16:40 coffee break & posters
16:40 – 17:20 Serge Charpak (Paris Descartes, France): Imaging brain activity from capillaries
17:20 – 18:00 Giampietro Schiavo (Cancer Research UK, LRI, London, UK): Axonal transport: a process for all seasons
18:30 Farewell Apéritif

INT - UMR 7289, CNRS - AMU
Campus Santé Timone
27, Bd Jean Moulin
13385 Marseille Cédex 05, France

Organizing Committee:
Alexa Riehle
Hélène Bras
Thierry Chaminade
David Da Fonseca
Laurent Goffart
Colette Pourpe
Sabrina Ravel