## **Seminar Program**

**Note:** The displayed time includes the time for presentation and for discussion. Please, finish your presentation about 5 minutes before the indicated time to allow discussion.

Chairperson: Jorge Bosch-Bayard     10:00-10:40   Introductory Words and Key Lecture: Controversies in Brain Connectivity	Time	Speaker
Introductory Words and Key Lecture: Controversies in Brain Connectivity   Pedro Valdes-Sosa (CNC)   (Tele-Conference)	9:00-10:00	Registration
Pedro Valdes-Sosa (CNC) (Tele-Conference)   Quantifying the Uncertainty of Spontaneous Ca2+ Oscillations in Astrocytes: Particulars of Alzheimer's Disease   Jorge Riera (IDAC, Tohoku University; Visiting Professor FIU) (Tele-Conference)   11:10-11:30	Session I	Chairperson: Jorge Bosch-Bayard
Quantifying the Uncertainty of Spontaneous Ca2+ Oscillations in Astrocytes: Particulars of Alzheimer's Disease   Jorge Riera (IDAC, Tohoku University; Visiting Professor FIU) (Tele-Conference)	10:00-10:40	Introductory Words and Key Lecture: Controversies in Brain Connectivity
Alzheimer's Disease Jorge Riera (IDAC, Tohoku University; Visiting Professor FIU) (Tele-Conference)  Dissociated gamma rhythm codification based on neuronal population processing in rat auditory cortex Takeshi Ogawa (IDAC, Tohoku University)  11:30-11:50 Coffee-Break  Session II Chairperson: Ryo Kitada  Mutual effects of autistic traits on head synchronization during game interaction Shuntaro Okazaki (NIPS)  12:10-12:30 Effect of transcranial direct current stimulation (tDCS) on the resting human brain activity Satoshi Tanaka (NIPS)  12:30-13:30 Lunch  Session III Chairperson: Roberto Pascual-Marqui  13:30-13:50 Some eigenvector-based indexes to measure brain connectivity Jorge Bosch-Bayard (CNC & NIPS)  13:50-14:10 Inter-individual functional connectivity during eye contact and joint attention using dual functional MRI Hiroki Tanabe (NIPS)  14:10-14:30 Brain-to-brain coupling during mutual gaze task Takahiko Koike (NIPS)  14:30-14:50 Coffee-Break  Session IV Chairperson: Hiroki Tanabe  14:50-15:10 Neural substrates of haptic object perception Ryo Kitada (NIPS)  A spatio-temporal filtering method based on AR type model for the analysis of single-trial biological imaging data Fumikazu Miwakeichi (ISM)  15:30-15:50 Sparse Bayesian algorithm for high-resolution diffusion optical tomography Okito Yamashita (ATR)  15:50-16:30 Coffee-Break  Session V Chairperson: Atsushi Yoshimoto  16:00-16:30 Coffee-Break  Session V Chairperson: Atsushi Yoshimoto  16:00-16:30 Brain connectivity: a focused review Roberto Pascual-Marqui (The Key Institute for Brain-Mind Research & Kansai MU)  17:00-18:00 Key Lecture: 20 Years of Neuroscience Time Series Modeling		Pedro Valdes-Sosa (CNC) (Tele-Conference)
Jorge Riera (IDAC, Tohoku University; Visiting Professor FIU) (Tele-Conference)	10:40-11:10	
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Tohru Ozaki (IDAC, Tohoku University & NIPS)	17:00-18:00	· ·
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**18:30- Seminar Party** (In a restaurant near Higashi-Okazaki station. More details will be given soon.)