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Japan-France Joint Symposium on  
Neural Dynamics and Plasticity: from Synapse to Network

日時：平成 24 年 1 月 12-13 日

開催場所：京都大学 稲盛財団記念館 3階 大会議室

\*\*\*\*\* PROGRAM \*\*\*\*\*

+++++ Thursday, January 12, 2012 +++++

9:30- 9:40; Introduction

Shintaro Funahashi (Kyoto University Kokoro Research Center)

Part 1: Prefrontal cortex

9:40-10:20; “Prefrontal neural correlates of cognitive capacity limitation and its adaptive allocation revealed by a dual-task paradigm”

Kei Watanabe (Kyoto University Kokoro Research Center)

10:20-11:00; “Prefrontal activity during trial-and-error knowledge updating”

Tadashi Ogawa (Kyoto University Graduate School of Medicine)

11:00-11:15; Coffee Break

11:15-11:55; “Neural activity related to value-based decision making in rodent frontal cortex”

Min Whan Jung (Ajou University School of Medicine, South Korea)

11:55 -12:35; “Multimodality decision making process in the cortex-basal ganglia loop”

Thomas Boraud (University of Bordeaux, France)

12:35-14:00; Lunch

Part 2: Synaptic mechanisms

14:00-14:40; “Intracortical mechanism of voluntary movements”

Yoshikazu Isomura (Tamagawa University Brain Science Institute)

14:40-15:20; “Balanced network model for working memory”

Gianluigi Mongillo (Universite de Paris Descartes, France)

15:20-15:40; Coffee Break

15:40-16:20; “A bistable model of logarithmic STDP underlies working memory”

Tomoki Fukai (RIKEN Brain Science Institute)

16:20-17:00; “Some aspects of computation in cortical networks in balanced states”

David Hansel (Universite de Paris Descartes, France)

17:00-18:00; Discussion

+++++ Friday, January 13, 2012 +++++

Part 3: Neural networks

9:30-10:10: “Correlated trial variability in cat visual cortex and the possibility of their stimulus dependences”

Hiroyuki Ito (Kyoto Sangyo University)

10:10-10:50: “Reading neuronal spike trains”

Shigeru Shinomoto (Kyoto University Graduate School of Science)

10:50-11:10; Coffee Break

11: 10-11:50; “Some aspects of computation in cortical networks in balanced states”

Carl van Vreeswijk (Universite de Paris Descartes, France)

11:50-13:30; Lunch

13:30-14:10; “Plasticity and neural dynamics in the corticostriatal network”

Jeff Wickens (Okinawa Institute of Science and Technology)

14:10-14:50; “Dopamine modulates information flow through the basal ganglia and regulates behavioral variability”

Arthur Leblois (Unversite de Paris Descartes, France)

14:50-16:00; Discussion

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