

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; “A balanced network model of primary motor cortex: the role of shunting inhibition in the generation of complex movements.”

***Carl van Vreeswijk*** (*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; “Balanced network model for working memory”

***Gianluigi Mongillo*** (*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; “The mechanism of orientation selectivity in primary visual cortex without functional map.”

**David Hansel** (*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** (*Universite de Paris Descartes, France*)

14:50 – 16:00; **Discussion**

問い合わせ先：京都大学こころの未来研究センター

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