

3rd International Symposium on Prefrontal Cortex — Searching for Mechanism of Mind —

開催日：2012年11月29日-30日
開催場所：京都大学稲盛財団記念館 3階 大会議室

Programs

***** (Thursday, November 29, 2012) *****

9:00-9:05: Opening Remark

Session 1: Cellular and Network Mechanisms of Information Processing in Rodents

9:05-9:45: “Functional and dysfunctional plasticity inductions in rodent prefrontal cortex”
Satoru Otani (Ryotokuji University, Japan/University of Paris VI, France)

9:45-10:25: “Dysfunction of the hippocampo-prefrontal cortex system in phencyclidine-treated animals as an animal model of schizophrenia”
Eiichi Jodo (Fukushima Medical University, Japan)

10:25-10:35: Coffee Break

10:35-11:15: “Prefrontal cortical alterations by prenatal and postnatal stress interaction”
Young-A Lee and Yukiori Goto (McGill University, Canada)

11:15-11:55: “Neural elements underlying prefrontal functions - Focus on hippocampal-prefrontal pathway”
Masatoshi Takita (National Institute of Advanced Industrial Science & Technology, Japan)

11:55-12:35: “Dopamine modulates ion channels that regulate neuronal excitability and repetitive firing to encode forms of plasticity in the prefrontal cortex”
Charles Yang (Shanghai Chempartner, China)

12:35-14:00: Lunch

Session 2: Prefrontal Cortical Activity and Cognitive Functions in Primates

14:00-14:40: “Prefrontal cortex and neural mechanism of executive function”
Shintaro Funahashi (Kyoto University, Japan)

14:40-15:20: “Reward inference by primate prefrontal and striatal neurons”

Masamichi Sakagami (Tamagawa University, Japan)

15:20-15:30: Coffee Break

15:30-16:10: "Dynamic synchrony of firing in the prefrontal cortex in monkeys and rats"

Yoshio Sakurai (Kyoto University, Japan)

16:10-16:50: "Neuronal activity in monkey prefrontal cortex in a visual-haptic cross-modal delay task"

Yong-Di Zhou (East China Normal University, China)

16:50-17:30: "Impact of neuromodulators on plasticity in humans"

Michael Nitsche (Georg-August-University, Germany)

***** (Friday, November 30, 2012) *****

9:00-9:40: "Distinguishing the contributions of frontopolar cortex and other prefrontal cortical regions to cognition in the non-human primate"

Mark Buckley (University of Oxford, UK)

9:40-10:20: "The role of topographic maps of prioritized space in frontal and parietal cortex"

Clayton Curtis (New York University, USA)

10:20-10:30: Coffee Break

10:30-11:10: "Monitoring others' actions in the medial prefrontal cortex of the macaque"

Masaki Isoda (Kansai Medical University, Japan)

11:10-11:50: "Multiple components of prefrontal signals for covert tracking of moving objects"

Masaki Tanaka (Hokkaido University, Japan)

11:50-14:00: Lunch

Session 3: Human Prefrontal Cortical Functions and Dysfunction in Psychiatric Disorders

14:00-14:40: "Molecular neuroimaging of the prefrontal functions in human"

Hidehiko Takahashi (Kyoto University, Japan)

14:40-15:20: "Neuromodulation of prefrontal cortex activity by direct current stimulation on alcohol and crack-cocaine dependence"

Ester Miyuki Nakamura-Palacios (University of Espirito-Santo, Brazil)

15:20-15:30: Coffee Break

15:30-16:10: “Medial PFC correlates of self in the human brain: an fMRI study”

Naoyuki Osaka (Kyoto University, Japan)

16:10-16:50: “Dopaminergic modulation of frontostriatal function”

Roshan Cools and Quirine Veth (Radboud University Nijmegen, Netherland)

16:50-17:00: Concluding Remark