

**Satellite Symposium of the 32nd Annual Meeting of the Japan Neuroscience Society
The Basal Ganglia in Health & Disease**

September 14 (Mon) - 15 (Tue), 2009, at Okazaki Conference Center

September 14 (Mon)

13:00-13:10 Opening remarks

Atsushi Nambu (Natl Inst for Physiol Sci)

Basal ganglia neuron physiology

13:10-13:55

Toshihiko Aosaki (Tokyo Met Inst of Gerontology)
Roles of cholinergic interneurons in intercompartmental communication and synaptic plasticity in the striatum.

13:55-14:40

Katsuya Yamada (Hirosaki Univ, Grad Sch of Med)
Gliotransmitter release in response to dopamine.

14:40-15:00 Coffee Break

Cortico-basal ganglia loop

15:00-15:45

Eiji Hoshi (Brain Science Institute, Tamagawa Univ)
Networks linking the basal ganglia to the premotor cortex for controlling voluntary motor act.

15:45-16:30

Kazuyuki Samejima (Brain Science Institute, Tamagawa University)
Reinforcement learning hypothesis of cortico-basal ganglia loops and action value coding in the striatum.

16:30-17:15

Atsushi Nambu (Div of System Neurophysiol, Natl Inst for Physiol Sci)
Cortico-basal ganglia loop and movement disorders.

17:15-18:00

Poster presentation

18:10-

Dinner and Discussions (All participants are invited).

2nd floor of Staff Hall in Myodaiji Campus

September 15 (Tue)

Motor control by the basal ganglia

9:00-9:45

Douglas P. Munoz
(Queen's University, Canada)
The antisaccade task as a tool for basal ganglia research.

9:45-10:30

Masaki Tanaka (Hokkaido Univ, Sch of Med)
Subcortical control of behavioral timing.

10:30-10:40 Coffee Break

Relationship with the brainstem

10:40-11:25

Kaoru Takakusaki (Asahikawa Med Col)
Neural substrates for normal gait in relation to the basal ganglia function.

11:25-12:10

Yasushi Kobayashi (Grad Sch of Fron Biosci, Osaka Univ)
Computation of reward signals in the pedunculopontine tegmental nucleus neurons.

12:10-12:20 Concluding remarks

Kaoru Takakusaki