



2nd Joint Symposium

NIPS (National Institute for Physiological Sciences, Okasaki, Japan)

CIN (Centre for Integrative Neuroscience, Tübingen, Germany)

Thursday 29 November, 2012

Hertie Building, Otfried-Müller-Str. 27, Seminar Room 2.310

08:30 **Welcome**

Peter Thier – CIN Chairman

Herbert Müther – Prorector for Research, University of Tübingen

Yasunobu Okada – Director, NIPS

09:00 Yukio Nishimura (*NIPS*) Restoring Volitional Control Via An Artificial Neural Connection

09:30 Niels Birbaumer (*CIN*) Brain-Machine Interface in Human Paralysis

10:00 Atsushi Nambu (*NIPS*) Physiology and Pathophysiology of Cortico-Basal Ganglia Loop

10:30 Anton Sirota (*CIN*) Mechanisms of Learning:
The Link Between Exploratory Behavior and Hippocampal Network Dynamics

11:00 COFFEE BREAK

11:30 Ryuichi Shigemoto (*NIPS*) Temporal Training Patterns Determine The Kinetics of Synaptic Structural Plasticity, Memory Formation and Memory Decay

12:00 Martin Giese (*CIN*) Physiologically-Informed Neural Theory For The Recognition of Goal-Directed Actions

12:30 Tadashi Isa (*NIPS*) Genetic Dissection of the Circuits for Manual Dexterity in Primates

13:00 LUNCH BREAK

14:00 POSTER SESSION

15:30 Klaus Scheffler (*CIN*) The Potential of High Magnetic Fields To Probe Neuronal Substructures

16:00 Ryusuke Kakigi (*NIPS*) The Painful Brain

16:30 COFFEE BREAK

17:00 Eberhart Zrenner (*CIN*) Vision With Subretinal Implants: Outcome of a Clinical Study in Blind Patients

17:30 Akiko Nishio (*NIPS*) Neural Representation of Gloss in the Macaque Inferior Temporal Cortex

18:00 Hendrikje Nienborg (*CIN*) Exploring the Origin of Decision Related Activity in Early Visual Cortex