



# 2<sup>nd</sup> Joint Symposium

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

**CIN** (Centre for Integrative Neuroscience, Tübingen, Germany)

**Thursday 29 November, 2012**

**NEW VENUE**

**Room E.1.05 Institut für Medizinische Virologie, Elfriede-Aulhorn-Str. 6**

**08:30 Welcome**

*Peter Thier – CIN Chairman*

*Herbert Müther – Prorektor 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