



## CIN-NIPS-Asia Pacific Systems Neuroscience Symposium 2022

The CIN is pleased to host (virtually) the tenth CIN-NIPS symposium on March 7 and 10, 2022 (08:00-12:00 CET). The online symposium represents a continuation of a yearly bilateral tradition of strong joint interactions with the National Institute for Physiological Sciences (NIPS) in Okazaki, Japan. However, much like in our previous event of 2019, this year's symposium is extended to become a multi-lateral meeting, including contributions from Kyoto University, the Institute of Neuroscience (Shanghai), and Beijing University. The symposium features 20 presentations from senior PI's as well as junior scientists, covering a broad range of topics in systems neuroscience, including social interaction, communication, memory, diseases, technique development, and movement control.

Please contact us for a registration link to the online platform of the symposium ([ziad.m.hafed@cin.uni-tuebingen.de](mailto:ziad.m.hafed@cin.uni-tuebingen.de)). The program is below.

### Monday, March 7, 2022 (Day 1)

<i>Germany</i>	<i>China</i>	<i>Japan</i>		
8:00 AM	3:00 PM	4:00 PM	<b>Welcome Address by Peter Thier (CIN) and Junichi Nabekura (NIPS)</b>	
<b>Session 1: Social Communication</b>				
<b>Chair: Steffen Hage (CIN)</b>				
8:10 AM	3:10 PM	4:10 PM	<b>Lena Veit</b> (CIN)	<i>Flexible contextual control over birdsong sequencing and structure</i>
8:40 AM	3:40 PM	4:40 PM	<b>Cristina Risueno Segovia</b> (CIN)	<i>Cardiovascular mechanisms underlying vocal behavior in freely moving macaque monkeys</i>
8:55 AM	3:55 PM	4:55 PM	<b>Atsushi Noritake</b> (NIPS)	<i>Neural mechanisms for social reward valuation and monitoring in the macaque brain</i>
9:25 AM	4:25 PM	5:25 PM	<b>Michael Stettler</b> (CIN)	<i>Investigation of the neural encoding of dynamic faces based on highly-realistic dynamic avatars</i>

9:40 AM 4:40 PM 5:40 PM

**COFFEE BREAK (15')**

**Session 2: Cognition and Memory**

**Chair: Keichi Kitajo (NIPS)**

9:55 AM 4:55 PM 5:55 PM

**Tianming Yang** (ION)

*Monkey plays Pac-Man with compositional strategies and hierarchical decision-making*

10:25 AM 5:25 PM 6:25 PM

**Ryo Sasaki** (Kyoto)

*Optogenetic control of risk-return decision making in macaques*

10:40 AM 5:40 PM 6:40 PM

**Keiichi Kitajo** (NIPS)

*Metastable neural dynamics associated with flexible information processing in the human brain*

11:10 AM 6:10 PM 7:10 PM

**Chengyu Li** (ION)

*Brain-wide cell assembly dynamics underlying working memory*

11:40 AM 6:40 PM 7:40 PM

**Cen Yang** (PKU)

*Neuronal mechanism for flexible use of memory in the primate medial temporal lobe*

11:55 AM 6:55 PM 7:55 PM

**Outlook for Next Session - Ziad Hafed**

12:00 PM 7:00 PM 8:00 PM

**END OF DAY 1**

**Thursday, March 10, 2022 (Day 2)**

**Germany China Japan**

8:00 AM 3:00 PM 4:00 PM

**INTRODUCTION DAY 2**

**Session 3: Neuromethods**

**Chair: Atsushi Nambu (NIPS)**

8:05 AM 3:05 PM 4:05 PM

**Hiromasa Takemura** (NIPS)

*Vertical occipital fasciculus: a highway connecting dorsal and ventral visual streams in humans and non-human primates*

8:35 AM 3:35 PM 4:35 PM

**Alia Benali** (CIN)

*Deciphering the dynamics of neuronal activity evoked by transcranial magnetic stimulation in the rodent brain*

8:50 AM 3:50 PM 4:50 PM

**Nevena Stajkovic** (CIN)

*Minimal tags for site-specific fluorescent labeling of voltage-gated sodium channels in living neurons*

**Session 4: Visual Processing and Perception**  
**Chair: Aristides Arrenberg (CIN)**

9:05 AM	4:05 PM	5:05 PM	<b>Yue Zhang</b> (CIN)	<i>Motion receptive fields for optic flow processing in pretectum of fish</i>
9:20 AM	4:20 PM	5:20 PM	<b>Jiahao Wu</b> (NIPS)	<i>Effect of anesthesia on spatial frequency tuning in mouse primary visual cortex</i>
9:35 AM	4:35 PM	5:35 PM	<b>Ian Chong</b> (CIN)	<i>Manipulation of gaze-following in macaque monkeys</i>
9:50 AM	4:50 PM	5:50 PM	<b>COFFEE BREAK (15')</b>	

**Session 5: Motor Control**  
**Chair: Hiromi Sano (NIPS)**

10:05 AM	5:05 PM	6:05 PM	<b>Pimpimon Nondhalee</b> (NIPS)	<i>Somatotopic reorganization of the sensorimotor cortex in Japanese macaques after accidental arm amputation</i>
10:20 AM	5:20 PM	6:20 PM	<b>Reona Yamaguchi</b> (Kyoto)	<i>Global inhibition associated with recovery of hand movements after spinal cord injury</i>
10:35 AM	5:35 PM	6:35 PM	<b>Daniel Haufle</b> (CIN)	<i>Bridging computational motor control and biomechanics to predict human-exoskeleton interaction</i>
11:05 AM	6:05 PM	7:05 PM	<b>Junya Inoue</b> (CIN)	<i>Cerebellar complex spikes multiplex complementary behavioral information</i>
11:20 AM	6:20 PM	7:20 PM	<b>Hiromi Sano</b> (NIPS)	<i>Pathophysiological changes of the basal ganglia in Parkinson's disease and drug addiction</i>
11:50 AM	6:50 PM	7:50 PM	<b>Concluding Remarks - Henry Evrard</b>	
12:00 PM	7:00 PM	8:00 PM	<b>END OF THE SYMPOSIUM</b>	

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