

Detailed Schedule:

J/ from Japan, U/ from US

---- Day 1: Tuesday, January 17, 2017 ----

9:00- 9:30 Opening

Toshio Yanagida, Director, CiNet

Fumihiko Tomita, Vice President, NICT

Kenneth Whang, Program Director, NSF

9:30-10:05 Talk 1

J/ Hokto Kazama (RIKEN) 風間 北斗

Olfactory computations in a three-layered circuit

10:05-10:40 Talk 2

U/ Kim "Avrama" Blackwell (George Mason University)

Calcium control of synaptic plasticity in striatal spiny projection neurons

10:40-10:50 ----- Coffee break -----

10:50-11:25 Talk 3

J/ Takamichi Nakamoto (Tokyo Institute of Technology) 中本 高道

Human Olfactory Interface

11:25-12:00 Talk 4

U/ Ranu Jung (Florida International University)

CENAVEX: Computation-enabled adaptive ventilatory control system

12:00-13:00 ----- Lunch -----

13:00-13:35 Talk 5

J/ Taro Toyozumi (RIKEN) 豊泉 太郎

Cortical hierarchy revealed by embedding brain-wide dynamics

13:35-14:10 Talk 6

U/ Monty A. Escabi (University of Connecticut)

Neural codes and models for sound recognition in the presence of acoustic uncertainty

14:10-14:30 ----- Coffee break -----

14:30-15:05 Talk 7

J/ Hirokazu Takahashi (Tokyo University) 高橋 宏知

Intelligence emerging from neural system

15:05-15:40 Talk 8

U/ Rodica Curtu (University of Iowa)

Decoding Human Auditory Perceptual Switches: An Intracranial Electrophysiology Study

15:40-16:00 ----- Coffee break -----

16:00-16:35 Talk 9

J/ Takanori Uka (University of Yamanashi) 宇賀 貴紀

Neural basis and computation for flexible perceptual decision making

16:35-17:10 Talk 10

U/ Naoshige Uchida (Harvard University) 内田 直滋

Toward new theories of dopamine

17:10-18:10 Discussion on collaborative research

18:20-20:00 ----- Welcome Party -----

---- Day 2: Wed. Jan. 18, 2017 ----

9:00- 9:35 Talk 11

J/ Tomoyasu Horikawa (ATR) 堀川 友慈

Shared hierarchical neural representations between perception, imagery, and, dreaming

9:35-10:10 Talk 12

U/ Daniel Yamins (Stanford University)

Using Artificial-Intelligence-Driven Deep Neural Networks to Uncover Principles of Brain Representation and Organization

10:10-10:45 Talk 13

J/ Shinji Nishimoto (CiNet, NICT) 西本 伸志

Modeling and decoding of brain activity during natural vision

10:45-11:00 ----- Coffee break -----

11:00-11:35 Talk 14

U/ Sharon Crook (Arizona State University)

Reproducibility and Rigor in Computational Neuroscience: Testing the Data Driven Model

11:35-12:10 Talk 15

J/ Naokazu Goda (NIPS) 郷田 直一

Representation of visual and non-visual material properties of objects in the visual cortex

12:10-13:10 ----- Lunch -----

13:10-13:45 Talk 16

U/ Ko Nishino (Drexel University) 西野 恒

Computational Material Perception

13:45-14:20 Talk 17

J/ Yukako Yamane (Osaka University) 山根 ゆか子

Active Vision --- international collaboration project

14:20-14:40 ----- Coffee break -----

14:40-15:15 Talk 18

U/ Anitha Pasupathy (University of Washington)

Uncovering object representations in visual cortex

15:15-15:50 Talk 19

J/ Yasuko Sugase-Miyamoto (AIST) 菅生 (宮本) 康子

Neuronal mechanisms underlying the face inversion effect in macaque area TE

15:50-16:10 ----- Coffee break -----

16:10-17:10 Discussion on collaborative research

17:10 Closing