

# JANUBET Primate Neurobiology School

Version 2.0 2020321

Organized by Masahiko Takada and Tadashi Isa

Date: Sept 24-30, 2020

Venue:

Sept 24-27, Bild B, B1F Lecture hall and Isa/Komura lab in Kyoto University, Yoshida campus

Sept 28-30, Kyoto University Primate Research Institute (Inuyama)

Sponsored by INTPART, ASHBi, Kyoto University Graduate Program for Medical Innovation (KUGPMI), Kyoto University Primate Research Institute

Students: 15 from outside Japan and 15 from inside Japan, plus Kyoto University researchers and PhD/undergraduate students

JANUBET: Japan and Norway United in Brain, Educations and Therapeutics supported by INTPART, Norway

## **Program**

**Sept 24 (Thu):** Arrival and get together (ASHBi Lecture Hall, B1F@Bldg B, Kyoto University Medical School Campus)

14:00-15:00 Reception

15:00-15:15 Welcome remarks; Tadashi Isa, Menno Witter

15:15-16:15 Self-Introduction (should be enough for 1 minutes per person)

16:15-17:45 **Dora Angelaki** (New York University, USA); Neural mechanism of spatial vision

17:45-18:15 Group work 1 (the first 30 min will be mainly for knowing each other and division of labor, since they have not learned much from the course yet)

18:15-18:30 Move to Camphora, Kyoto University (15 minutes should be enough)

18:30-21:30 Get-together party (Camphora opens until 21:30, of course we can end earlier)

Stay at Kuni-sou

**Sept 25 (Fri);** Lectures and poster session (ASHBi Lecture Hall, B1F@Bldg B, Kyoto University Medical School Campus)

9:00-10:30 **Douglas Munoz** (Queens University, Canada); how to connect NHP studies to understanding of neuropsychiatric disorders in humans

10:30-10:45 Coffee break

10:45-12:15 **Wim Vanduffel** (KU Leuven, Belgium); monkey fMRI imaging

12:15-13:30 Lunch

13:30-14:00 Flash talks for poster session (odd number)

14:00-15:00 Poster session (odd number)

15:00-16:30 **Tadashi Isa** (Kyoto University); functional recovery after brain and spinal cord injuries.

16:30-16:45 Coffee break

16:45-17:45 Interaction with lecturers (20 min x 3)

17:45-18:45 Group work 2

18:45-19:00 Walk to Kuni-sou

19:30-21:30 Dinner Stay at Kuni-sou, Kyoto

Stay at Kuni-sou

**Sept 26 (Sat);**

Lectures;

9:00-10:00 **Ken-Ichiro Tsutsui** (Tohoku University); frontal lobe functions and dysfunctions in macaque

10:00-11:00 **Yutaka Komura** (Kyoto University); studying the metacognition in macaques

11:00-11:15 Coffee break

11:15-11:45 Flash talks for poster session (even number)

11:45-12:00 Group photo

12:00-13:30 Lunch

13:30-14:30 Poster session (even number)

14:30-15:30 **Masanori Matsuzaki** (University of Tokyo; 2-photon imaging and optogenetical techniques to understand the cortical motor functions, from mice to marmosets)

15:30-15:45 Coffee break

15:45-16:30 Interaction with lecturers (15 min x 3)

16:30-17:30 Panel discussion

17:30-18:30 Group Work 3

18:30-18:45 Walk to Kuni-sou

19:00-21:00 Barbeque at Stay at Kuni-sou

### **Sept 27 (Sun);**

8:30-10:00

Lab experiences in Isa & Komura Labs (Kyoto Univ); divided into 4 groups;  
Macaque-1; Reaching and grasping in monkeys with spinal cord injury and  
ECoG data analysis (Yamaguchi/Isa Lab) ?

Macaque-2; Decision making and unit recordings (Sasaki/Isa Lab)?

Macaque-3; Metacognition and unit recordings (Komura Lab)?

Macaque-4; Eye movements (Kato Lab)?

Marmoset; Gaze behaviors (Chen/Isa Lab)?

10:00-10:30 Break and move

10:30-12:00 **Menno Witter** (NTNU, Norway) Comparative Neuroanatomy

12:00-13:30 Presentation of Group Work

13:30- Lunch and excursions in Kyoto (3-4 groups)

Free time

Stay at Kuni-sou

### **Sept 28 (Mon);**

Move from Kyoto by bus to Kyoto Univ PRI (9~12AM)

Lunch (on the way to PRI or after arrival at PRI)

13:30 Introduction

13:45 Chimpanzee research topic (30~40 min) by **Ikuma Adachi** (PRI)

Marmoset research topic (30~40 min) by **Katsuki Nakamura** (PRI)

15:00 PRI tours

macaques (group cages, open enclosures, NBRP)

chimpanzee facility

marmoset & P2 facilities

17:00 Go to hotel & check-in

18:30 Dinner at beer restaurant Lorely (pick up by bus at hotel, start at 19)

21:30 Back to hotel by bus

### **Sept 29 (Tue):**

9:30 Lectures (Macaque research topic; 30 min x 4) & Discussions

**Ken-ichi Amemori** (PRI),

**Masaki Isoda** (National Institute for Physiological Sciences),

**Masayuki Matsumoto** (Tsukuba University),

**Takafumi Minamimoto** (National Institute of Radiological Sciences)

12:00 Lunch

13:30 Japan Monkey Center

(If time permits, visit Inuyama Castle 16~17)

18:00 Ukai (with dinner bento)

21:00 Back to hotel by bus (or walk & train)

### **Sept 30 (Wed)**

9:30 Lectures (60 min x 2) & Discussions

**Atsushi Nambu** (National Institute for Physiological Sciences),

**Cliff Kentros** (NTNU, Norway)

12:00 Lunch

13:00 Lectures (60 min x 2) & Discussions

**Wolfram Schultz** (Cambridge University, UK),

**Peter Strick** (Pittsburgh University, USA)

15:30 Wrap-up