

Syllabus

1. Course Title, Style and Credit

“Special lectures”, Lecture, 1 Credit

2. Appropriate grade level and Eligible Departments

1, 2, 3 Students in Department of Physiological Sciences, and also open to students in all Departments.

3. Lectures

Lectures will be provided by Professors or Associate Professors in the Department of Physiological Sciences, or Professors or Visiting Professors of NIPS

4. Time

April, 2019 - February, 2020 approximately once a month
Wednesday, 15:00-17:00

5. Place

Yamate Area : Seminar room B of the Yamate 3rd Building, 9th Floor

Myodaiji Area : NIPS 1F, Lecture room

Lectures will be delivered by a remote lecture system.

However, calling the role will be done at the location where the lecture occurs.

6. Prerequisites and Styles

Application: sign up for the classes

Students enrolled must attend at the location where the lecture is given.

7. Contents

Lectures describing recent progress and cutting edge techniques in the physiological sciences.

8. Course objectives

To disseminate a wide range of knowledge of physiological science

9. Grades

Students must attend at least half of the lectures to get credit. The grades will be determined by the quality of the report. For evaluation, more than 60 in a 100-point scale is judged successful.

10. Schedule

The 1st: April 24th, 2019

“Thermal Biology”

Makoto Tominaga (Division of Cell Signaling)

(Myodaiji area: NIPS 1F, Lecture room)

The 2nd: May 8th, 2019

“Cortical neuron diversity and connectivity”

Yasuo Kawaguchi (Division of Cerebral Circuitry)

(Yamate area: Seminar room B of the Yamate 3rd Building, 9th Floor)

The 3rd: June 19th, 2019

“Multi-omics study for analysis of brain structure and function”

Yasuhiro Go (Division of Behavioral Development)

(Myodaiji area: NIPS 1F, Lecture room)

The 4th: July 10th, 2019

“Neuroimaging research and machine learning”

Junichi Chikazoe (Section of Brain Function Information)

(Myodaiji area: NIPS 1F, Lecture room)

The 5th: August 7th, 2019

“Experience-dependent maturation of visual cortical functions”

Yumiko Yoshimura (Division of Visual Information Processing)

(Myodaiji area: NIPS 1F, Lecture room)

The 6th: October 30th, 2019

“Optical methods to read and manipulate neural circuits”

Masakazu Agetsuma (Division of Homeostatic Development)

(Myodaiji area: NIPS 1F, Lecture room)

The 7th: November 13th, 2019

“Neuronal mechanisms regulating appetite and gustatory sensation”

Ken-ichiro Nakajima (Division of Endocrinology and Metabolism)

(Myodaiji area: NIPS 1F, Lecture room)

The 8th: December 4th, 2018

“Dynamic aspects of the structure and function of ion channels”

Yoshihiro Kubo (Division of Biophysics and Neurobiology)

(Myodaiji area: NIPS 1F, Lecture room)

The 9th: January 15th, 2019

“Neural dynamics and information processing in the brain”

Keiichi Kitajo (Division of Neural Dynamics)

(Myodaiji area: NIPS 1F, Lecture room)

The 10th: Feb 5th, 2020

"Overview of social brain: functional neuroimaging approach"

Norihiro Sadato (Division of Cerebral Integration)

(Myodaiji area: NIPS 1F, Lecture room)

11. Lecture materials and readings

Not applicable.