

Syllabus

1. Course Title, Style and Credit

“Special lectures”, Lecture, 1 Credit

2. Appropriate grade level and Eligible Departments

D1, 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, 2015~March, 2016 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. Schedule

The 1st: April 22th, 2015

“Tight junctions and regulation of paracellular transport”

Mikio Furuse (Dept. Physiological Sciences)

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

The 2nd: May 13th, 2015

“In vivo analysis of descending modulatory control of pain”

Hidemasa Furue (Dept. Physiological Sciences)

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

The 3rd: June 10th, 2015

“Functional analysis of locomotor circuits in the spinal cord and brainstem in zebrafish”

Shinichi Higashijima (Dept. Physiological Sciences)

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

The 4th: September 9th, 2015

“Social Contribution of Advanced Reproductive Technology

- Food Production to Regenerative Medicine -”

Masumi Hirabayashi (Dept. Physiological Sciences)

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

The 5th: October 14th, 2015

“Neural mechanisms of color and material perception”

Hidehiko Komatsu (Dept. Physiological Sciences)

(Myodaiji area: NIPS 1F, Lecture room)

The 6th: November 11th, 2015

“Cortico-basal ganglia loop and movement disorders”

Atsushi Nambu (Dept. Physiological Sciences)

(Myodaiji area: NIPS 1F, Lecture room)

The 7th: December 2nd, 2015

“Analysis of brain structure and function using ultra high field MRI”

Masaki Fukunaga (Dept. Physiological Sciences)

(Myodaiji area: NIPS 1F, Lecture room)

The 8th: January 13th, 2016

“Functions of volume-regulated anion channels and their molecular identity”

Toshiaki Okada (Dept. Physiological Sciences)

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

The 9th: February 17th, 2016

“Regulatory mechanism for protein localization by palmitoylation”

Masaki Fukata (Dept. Physiological Sciences)

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

The 10th: March 2nd, 2016

“Regulation of myelin formation and its physiological significance”

Kazuhiro Ikenaka (Dept. Physiological Sciences)

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

10. Lecture materials and readings

Not applicable.

11. Grades

Students must attend at least half of the lectures to get credit.

For evaluation, more than 60 in a 100-point scale is judged successful.