

Syllabus

1. Course Title, style, and credit

Special courses of Physiological Sciences “Special lectures” 1-3

Lecture

1 credit

2. Appropriate grade level and Eligible Departments

All Departments

For Department of Physiological Sciences, D1, 2, 3

3. Lectures

Professors in Department of Physiological Sciences or Visiting Professors of NIPS

4. Time

Oral lectures: April, 2011 ~ March, 2012 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: Main Conference room of the Staff Hall, 2nd Floor

The lectures will be delivered by the remote lecture system.

6. Prerequisites and Styles

No prerequisite and no specific styles

7. Contents

Learning the recent progress and cutting edge of various fields of physiological science

8. Course objectives

To acquire a wide range of knowledge of physiological science

9. Schedule

The 1st: April 13th, 2011

“Neural mechanisms involved in the regulation of sleep/wakefulness”

Akihiro Yamanaka (Dept. Physiological Sciences)

The 2nd: May 18th, 2011

“How many kinds of cells do we have?”

Mitsuhiro Setou (NIPS)

The 3rd: June 15th, 2011

“In vivo patch-clamp analysis of synaptic mechanism underlying endogenous analgesia”

Hidemasa Furue (Dept. Physiological Sciences)

The 4th: September 28th, 2011

“Development and function of locomotor circuits in zebrafish”

Higashijima Shinichi (Dept. Physiological Sciences)

The 5th: October 19th, 2011

“Novel techniques to dissect the neural circuit functions”

Tadashi Isa (Dept. Physiological Sciences)

The 6th: November 2nd, 2011

“Neural circuits underlying information processing in neocortex”

Yumiko Yoshimura (Dept. Physiological Sciences)

The 7th: December 7th, 2011

“Nesfatin-1 and oxytocin, novel regulators of appetite and metabolism”

Toshihiko Yada (NIPS)

The 8th: January 18th, 2012

“Function of glial cells and their disease”

Kazuhiro Ikenaka (Dept. Physiological Sciences)

The 9th: February 15th, 2012

“Cortico-basal ganglia loop and movement disorders”

Atsushi Nambu (Dept. Physiological Sciences)

The 10th: March 21st, 2012

“Regulation of protein localization by palmitoylation”

Masaki Fukata (Dept. Physiological Sciences)

1 0 . Lecture materials and readings

Not necessary

1 1 . Grades

Students must attend the classes at least half of total classes to take a credit. For evaluation, more than 60 in a 100-point scale is judged successful.