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 1\textsuperscript{st}: April 13\textsuperscript{th}, 2011

“Neural mechanisms involved in the regulation of sleep/wakefulness”
Akihiro Yamanaka (Dept. Physiological Sciences)

The 2\textsuperscript{nd}: May 18\textsuperscript{th}, 2011

“How many kinds of cells do we have?”
Mitsuhiro Setou (NIPS)

The 3\textsuperscript{rd}: June 15\textsuperscript{th}, 2011

“In vivo patch-clamp analysis of synaptic mechanism underlying endogenous analgesia”
Hidemasa Furue (Dept. Physiological Sciences)

The 4\textsuperscript{th}: September 28\textsuperscript{th}, 2011

“Development and function of locomotor circuits in zebrafish”
Higashijima Shinichi (Dept. Physiological Sciences)

The 5\textsuperscript{th}: October 19\textsuperscript{th}, 2011

“Novel techniques to dissect the neural circuit functions”
Tadashi Isa (Dept. Physiological Sciences)

The 6\textsuperscript{th}: November 2\textsuperscript{nd}, 2011

“Neural circuits underlying information processing in neocortex”
Yumiko Yoshimura (Dept. Physiological Sciences)

The 7\textsuperscript{th}: December 7\textsuperscript{th}, 2011

“Nesfatin-1 and oxytocin, novel regulators of appetite and metabolism”
Toshihiko Yada (NIPS)

The 8\textsuperscript{th}: January 18\textsuperscript{th}, 2012

“Function of glial cells and their disease”
Kazuhiro Ikenaka (Dept. Physiological Sciences)

The 9\textsuperscript{th}: February 15\textsuperscript{th}, 2012

“Cortico-basal ganglia loop and movement disorders”
Atsushi Nambu (Dept. Physiological Sciences)

The 10\textsuperscript{th}: March 21\textsuperscript{st}, 2012

“Regulation of protein localization by palmitoylation”
Masaki Fukata (Dept. Physiological Sciences)

10. Lecture materials and readings
   Not necessary

11. 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.