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, 2018〜February, 2019 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 18th, 2018
“Functions and dysfunctions of the cortico-basal ganglia loop”
Atsushi Nambu (Div. System Neurophysiology)
(Myodaiji area: NIPS 1F, Lecture room)

The 2nd: May 9th, 2018
“Long Term Plasticity of Cortical Circuits: Neuron-Glia Interaction”
Junichi Nabekura (Div. Homeostatic Development)
(Myodaiji area: NIPS 1F, Lecture room)

The 3rd: June 13th, 2018
“The molecular mechanisms of sensory processes and the physiological responses”
Takaaki Sokabe (Div. Cell Signaling)
(Yamate area: Seminar room B of the Yamate 3rd Building, 9th Floor)

The 4th: July 25th, 2018
“Face perception in humans”
Ryusuke Kakigi (Div. Integrative Physiology)
(Myodaiji area: NIPS 1F, Lecture room)

The 5th: August 8th, 2018
“FRET analysis of the signaling of G protein coupled receptor”
Michihiro Tateyama (Div. Biophysics and Neurobiology)
(Myodaiji area: NIPS 1F, Lecture room)

The 6th: October 31th, 2018
“Regulation of paracellular transport in epithelia”
Mikio Furuse (Div. Cell Structure)
The 7th: November 14th, 2018
“Cardiac plasticity and functional remodeling”
Motohiro Nishida (Div. Cardiocirculatory Signaling)
(Yamate area: Seminar room B of the Yamate 3rd Building, 9th Floor)

The 8th: December 5th, 2018
“Synaptic function regulated by local palmitoylation cycle”
Masaki Fukata (Div. Membrane Physiology)
(Yamate area: Seminar room B of the Yamate 3rd Building, 9th Floor)

The 9th: January 9th, 2019
“Gene manipulation technology for analysis of brain function”
Kenta Kobayashi (Sec. Viral Vector Development)
(Myodaiji area: NIPS 1F, Lecture room)

The 10th: February 6th, 2019
“Analysis of brain structure and function using ultra high field MRI”
Masaki Fukunaga (Div. Cerebral Integration)
(Myodaiji area: NIPS 1F, Lecture room)

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.