

The 11th International Student Seminar

March 4 – 9, 2013



Organized by Graduate school of Biostudies and Institute for Virus Research, Kyoto University
Co-organized by Graduate school of Pharmaceutical Sciences, Kyoto University

<http://www.lif.kyoto-u.ac.jp/11thiss/>

No Boundaries!
Everything starts from your interests.

The 11th International Student Seminar

March 5th

9:00-9:30 Registration

9:30-9:35 Opening Remarks

9:35-11:00 Short-Talk Session 1

S-1. May Nakajima-Koyama

Sox1, a neural stem cell specific transcription factor, is an intermediate stage marker during the reprogramming of astrocytes into iPS cells

S-2. Masayuki Harada

Autophagy induces long-term survival during mitochondrial dysfunction in fission yeast *Schizosaccharomyces pombe*

S-3. Romanas Chaleckis

Metabolomic comparison of fission yeast and human red blood cells, with a focus on age-related compounds

S-4. Leon Rozanov

Resistance to oxidative stress in nonreplicating cells

S-5. Azusa Tanaka-Nakanishi

HTLV-1 bZIP Factor Suppresses Apoptosis Through Attenuating FoxO3a Function and Affecting Localization

11:10-12:20 Short-Talk Session 2

S-6. Peter Gee

SAMHD1 restricts HSV-1 infection in non-dividing myeloid cells

S-7. Shiori Takamatsu

Analysis of IPS-1-mediated antiviral signaling

S-8. Yuka Kanemura

Novel function of SAMHD1 in innate immune response against viral infection

S-9. Ryota Ouda

The functional analysis of RIG-I-inducible microRNA

12:20-13:30 Lunch

13:30-15:20 Long-Talk Session 1

L-1. Luciano Custo Greig

Transcriptional controls over areal specialization of projection neurons in the cerebral cortex

L-2. Haruhisa Okawa

Activity regulates retinal connectivity without synaptic competition

L-3. Austen A. Sitko

Wiring the connection between eye and brain

L-4. Aliza T. Ehrlich

Prostaglandin E receptor EP1 forms a complex with dopamine D1 receptor, regulates ligand binding of D1 receptors, and stimulates D1-induced cAMP production through G $\beta\gamma$ in HEK293T cells

15:40-17:55 Long-Talk Session 2

L-5. Hoch E

A single Histidine residue in the ion binding site of mammalian ZnT transporters controls zinc vs. cadmium selectivity

L-6. Sarang Tartey

Akirin2 as a Conserved Nuclear Factor Involved in NF- κ B Dependent Gene Expression in Inflammation

L-7. Nobuyuki Tanimura

Sall4 interacts with transcription factors Oct-3/4 and Sox2 and occupies Oct-Sox elements in mouse embryonic stem cells

L-8. Akane Kubota

Molecular mechanism of circadian clock and clock-mediated growth-phase transition in basal land plants, *Marchantia polymorpha*

L-9. Robert J. DiMario

Identification of Higher Plant Carbonic Anhydrases Involved in Photosynthesis

18:00-19:00 Poster Session (Odd Number)

March 6th

9:00-9:30 Registration

9:30-11:00 Short-Talk Session 3

S-10. Yit-lai Chow

Caenorhabditis elegans as a screening model for biological activities of plant natural chemicals

S-11. Dongqing Pan

Crystal structure of peroxisomal targeting signal-2 in complex with its receptors, Pex7p and Pex21p

S-12. Meng-Tsen Ke

SeeDB: an aqueous optical clearing agent for imaging intact fluorescence and morphology in the mouse brain

S-13. Aiko Yoshida

High-speed atomic force microscopy combined with inverted optical fluorescent microscopy

S-14. Shu-ichiro Sakamoto

Imaging of intracellular ATP dynamics in single apoptotic cells

11:10-12:20 Short-Talk Session 4

S-15. Mitsuhiro Matsuda

Reconstitution of multicellular patterns that are driven by Delta-Notch signaling

S-16. Kohei Harada

The role of Scribble in regulating Ephexin4-RhoG signaling pathway

S-17. Sayaka Iwano

Characterization of PCTK1 as a Novel Regulator for Spindle Orientation

S-18. Kei Murata

A nucleolar scaffold protein, WDR46, determines the granular compartmental localization of nucleolin and DDX21

12:20-13:30 Lunch

13:30-15:20 Long-Talk Session 3

L-10. Shari Gordon

Vaccine Strategies for HIV: Using the SIV macaque model to improve existing vaccines and test novel candidates

L-11. Michi Miura

Analyses of Japanese macaques naturally infected with simian T-cell leukemia virus type 1

L-12. Ashley Acevedo

Novel approach to population sequencing uncovers mutational landscape of an RNA virus

L-13. Ryo Narita

Functional role of Pumi1 in RLRs-mediated IFN induction

15:40-17:55 Long-Talk Session 4

L-14. Armelle Bohineust

Cytokine secretion by CD4⁺ T cells at the immunological synapse requires Cdc42- dependent local actin remodeling but not MTOC polarity

L-15. Fatemeh Madani

Modeling the Endosomal Escape of Cell-Penetrating Peptides Using a Transmembrane pH Gradient

L-16. Chih-Jung Hsu

Ligand mobility modulates immunological synapse formation and T cell activation

L-17. Daisuke Ori

Essential roles of K63-linked polyubiquitin binding proteins, TAB2 and TAB3, in B cell activation via MAPKs.

L-18. Sanki Tashiro

RNA surveillance factors direct facultative heterochromatin formation in fission yeast

18:00-19:00 Poster Session (Even Number)

19:30- Get together (Camphora)