

OIIB Summer School 2017

Biodesign of Living System

「生命システムの時空間設計」



August 17 (Thu) - 18 (Fri), 2017

Okazaki Institute for Integrative Bioscience (OIIB)

Yamate campus, Building 3, 2F Seminar room

Summer School 2017

August 17th, 2017



1st day Start



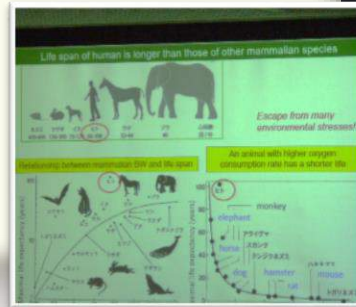
Opening Remarks
Makoto Tominaga



Session 1 Homeostasis

10:40 *How to maintain living homeostasis against environmental stress*

Motohiro Nishida (OIIB)

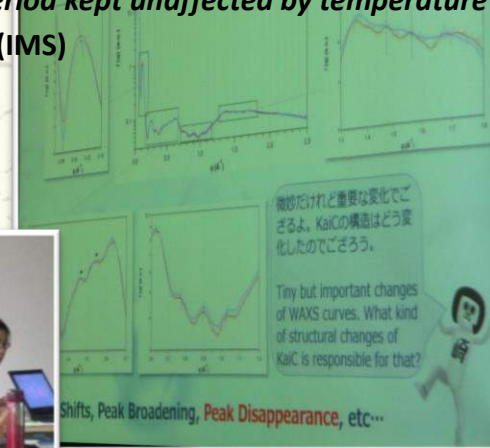


Lunch Time

11:10 *The frontier in cyanobacterial circadian clock system*

~ *How is the period kept unaffected by temperature changes ? ~*

Shuji Akiyama (IMS)



Session 2 Metabolomics

13:00 *Developmental signal intertwined with metabolism*

Kensuke Kawade (OIIB)

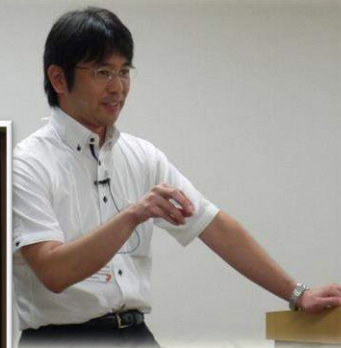


Coffee
Break



13:30 *Single cell metabolomics*

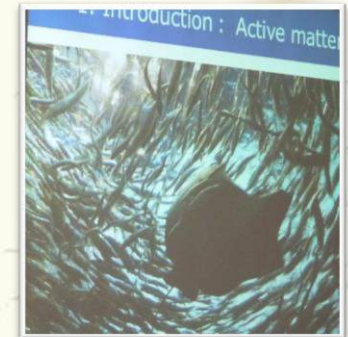
Hajime Mizuno (University of Shizuoka)



Session 3 Principles of Multicellular Organisms

14:40 *Spatial control of intercellular communication in developing tissues*

Shinji Takada (OIIB)



16:00 *Physics and Biology of Active Matters*

Yusuke T. Maeda (Kyushu University)

15:10 *Synthetic developmental biology*

Miki Ebisuya (QBiC)

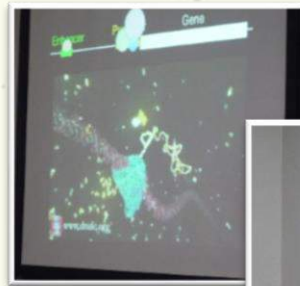


Free Discussion and Banquet



Session 4 Nuclear Dynamics

9:00 *Roles of chromatin structures in reprogramming*
Yusuke Miyanari (OIIB)



2nd day Start

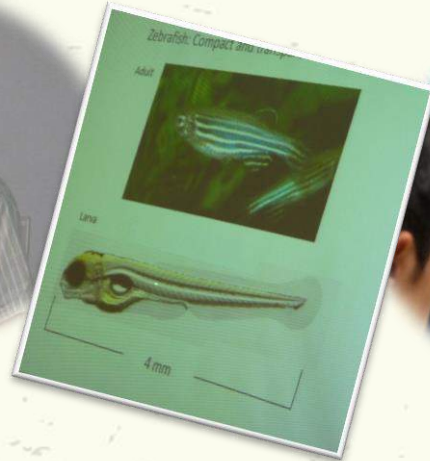


9:30 *Chemical synthesis of artificial DNA for functional materials*
Hiromu Kashida (Nagoya University)



Session 5 Biodesign of neuronal systemession

10:30 *Locomotor circuits in the spinal cord in zebrafish*
Shin-ichi Higashijima (OIIB)



11:00 *Mathematical modeling and genetic analysis of the Drosophila visual system development*
Makoto Sato (Kanazawa University)



Summer School 2017

August 18th, 2017

Closing Remarks

Koichi Kato (OIIB)



Summer School 2017

August 18th, 2017

OIIB Summer School 2017 LAB TOUR OPTION

