

The 26th Cell Biological Science Workshop

“Training Course 2 of fluorescence microscope ~intermediate to advanced level~

Dates: August 4 (Tue) - 7 (Fri), 2015 *2

Venue: Frontier Research Center for Post-Genome Science and Technology, Faculty of Advanced Life Science, Hokkaido University (in Sapporo, Hokkaido)

Organizer:

- Faculty of Advanced Life Science, Hokkaido University
- Top-Collaboration Support Project Workshop in FY2015, Hokkaido University
(Hokkaido Summer Institute 2015)
- Quantitative Biology Center, Graduate School of Frontier Biosciences, Osaka University
- Advanced ICT Research Institute, National Institute of Information and Communications Technology (NICT)

Deadline for Registration: July 5 (Sun), 2015 (Japan Time)

For registration, please send “Required Information” below to the address of “Contact Info” via e-mail (with an affixed file). The e-mail title should be “Application to **26th Cell Biological Science WS**”

Available Seats: 8 participants are selected after registration.

The result of selection will be announced around July 10th via e-mail.

Target persons: About 8 people are selected mainly from students in doctoral courses in Japan, as well as post doctors and assistant professors.

Program: Main contents will be Fluorescence Correlation Spectrometric Apparatus (FCS, FCCS) of a solution and intracellular molecule after moving.

Costs: 5,000 JPY (participation fee)

- Traveling expense to Hokkaido University and accommodation fee are all self-paid. However, subsidy for traveling expense is possibly granted.
- Lunch is self-paid, but light meals are provided for dinner.
- Those who will attend the 25th workshop (primary to intermediate level, held in Kobe in July) are preferentially accepted for this course.

Required Information:

1. Personal Information: Name
 - 1-1 Gender (needed for housing assignment)
 - 1-2 Affiliation (university, department, division, laboratory, etc)
 - 1-3 Position/Grade (ex. post doctor, assistant professor, year in doctoral course)
 - 1-4 Contact info (affiliation address, phone number, fax number, e-mail address)
 - 1-5 Participation record (ex. the 25th workshop, first participation)
2. Supervisor (name, position, phone number, e-mail address)
3. Usage experience of fluorescence microscope (microscope model, years of experience, purpose, frequency)
4. Abstract of your current research (about 200 words)

Include why you need to master fluorescence imaging and what is your research subject (ex. cultivation cell, drosophila, yeast, etc)
5. Why you would like to attend this workshop (about 200 words)

Explain specifically in relation to the techniques you want to master.
6. Plans after graduation (if any)
7. Do you apply for credit of the Life Science Special Lecture III, Graduate School of Life Science (1 credit)?
8. For students and young scientists in Hokkaido University. If you have a chance, would you like to attend the course "Functional Fluorescence Microscopy Imaging (fFMI) in Biomedical Research" (Nov. 2 – 13, 2015) by Dr. Vlanad held in Karolinska Institute?

Contact Info

Frontier Research Center for Post-Genome Science and Technology,
Functional Cell Science, Faculty of Advanced Life Science,
Graduate School of Hokkaido University
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Lecture and Laboratory Work

Purpose:

This workshop is aimed to master the method of bio-imaging mainly with fluorescence microscope. Lecture and laboratory work are provided, and they are about the principle and methodology of fluorescence correlation microscope (FCS) in order to analyze the dynamics of biomolecule inside living cells. At laboratory work, you can actually use the most advanced fluorescence microscope and learn how to use it and obtain and analyze the image data.

Content:

Main contents will be Fluorescence Correlation Spectrometric (FCS, FCCS) of a solution and intracellular molecule after moving.

Reference:

The contents of previous workshops are shown at webpages below.

<http://altair.sci.hokudai.ac.jp/infmcd/ws/ws22/index.html> (Japanese only)

http://www2.nict.go.jp/advanced_ict/bio/w131103/CellMagic/workshop.html

Instructors (tentative):

Masataka Kinjo

Faculty of Advanced Life Science, Graduate School of Hokkaido University

Tokuko Haraguchi

National Institute of Information and Communications Technology (NICT)

Graduate School of Science, Osaka University

Yasushi Hiraoka

Graduate School of Frontier Biosciences, Osaka University

National Institute of Information and Communications Technology (NICT)

Hiroshi Kimura

Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology

Ikuo Wada

Institute of Biomedical Sciences, Fukushima Medical University School of Medicine

Vladana Vukojević

Center for Molecular Medicine, Karolinska Institutet

and more..

Application Information is also on the webpage below.

-The 25th workshop HP (Japanese only)

<http://altair.sci.hokudai.ac.jp/infmcd/ws/ws25/index.html>

-Faculty of Advanced Life Science, Hokkaido University

<http://www.lfsci.hokudai.ac.jp/gakuin/news/index.html>

-Advanced ICT Research Institute, National Institute of Information and Communications Technology (NICT), Cell Biology Group

http://www2.nict.go.jp/advanced_ict/bio/w131103/CellMagic/

***Notes:**

1. Workshop is all in English this year.
2. Workshop officially begins in the afternoon on August 4th. However, the Life Science Special Lecture III, Graduate School of Life Science, by professor Fujita is scheduled on August 3 (Mon, 13:30-17:00), and Basic in Fluorescence (in English) by Dr. Vladana is on August 4 (Tue, 10:00-12:00). These lectures will be about basic spectroscopy both in Japanese and English. Participants of workshop can attend them as well.
3. Participants of workshop can apply for a credit of the lecture above (the Life Science Special Lecture III, 1 credit). To get the credit, registration as a special auditing student and registration fee are needed. However, some of the national universities waive the registration fee. Please inquire the specific information at the time of registration.