

**The 9th NIBB International Practical Course and
The 4th NIBB-TLL Joint International Practical Course**

“Genetics and Imaging of Medaka and Zebrafish”

Date: Aug. 18 – 30, 2016

**Location: National Institute for Basic Biology,
Okazaki, Japan**

Language: English



**Application Deadline:
May 31, 2016**

Contents

“Genome Editing”

Gene knock-in using the CRISPR/Cas9 system in zebrafish
by Shin-ichi HIGASHIJIMA (NIBB)

Gene knock-out using the CRISPR/Cas9 system in medaka
by Satoshi ANSAI (NIG) and Yusuke TAKEHANA (NIBB)

“PhiC31 Transgenesis”

Highly efficient transgenesis using the PhiC31 system in medaka
by Satoshi ANSAI (NIG)

“Behavioral Assay”

Optomotor response in medaka mutant
by Shoji FUKAMACHI (Japan Women's Univ.) and Saori YOKOI (NIBB)

“Imaging”

Local gene induction with infrared laser-evoked gene operator (IR-LEGO)
in medaka

by Yasuhiro KAMEI (NIBB)

in vivo imaging

by Shigenori NONAKA (NIBB) and Shinya KOMOTO (EMBL)

“Strain Preservation”

Cryopreservation of sperm and artificial insemination in medaka
by Yusuke TAKEHANA and Kiyoshi NARUSE (NIBB)

“Other Topics”

To be decided.

Seminar/Lecturers

Laszlo ORBAN (TLL)

Goro YOSHIZAKI (Tokyo University of Marine Science
and Technology)

Zoltán VARGA (Zebrafish International Resource Center/
University of Oregon)

Organizing Committee

Kiyoshi NARUSE (NIBB and NBRP Medaka)

Laszlo ORBAN (TLL)

Yasuhiro KAMEI (NIBB)

Hitoshi OKAMOTO (RIKEN and NBRP Zebrafish)

Shinji TAKADA (NIBB)

Shin-ichi HIGASHIJIMA (NIBB)

Kiyoshi TATEMATSU (NIBB)

Yusuke TAKEHANA (NIBB)

Participation:

Open application with selection (maximum 16 participants)

Costs (all costs in Japanese Yen)

Registration fee is 30,000(JPY), which includes some of meals
and course materials.

Accommodation costs for Mishima lodge (Institute guest house)
will be supported by NIBB.

<http://www.nibb.ac.jp/course9/>



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