

The 8th NIBB International Practical Course and
The 3rd NIBB-TLL-DBS/NUS Joint International Practical Course

Experimental Techniques using Medaka and *Xenopus* -The Merits of using both

Date: Sep. 22nd – Oct. 1st, 2014

Location: National Institute for Basic Biology (NIBB),
Okazaki, Japan

Language: English

Application
Deadline:
June 30th, 2014

Contents

"Genome Editing"

TALEN/CRISPR-CAS9 for medaka and Xenopus
by Masato KINOSHITA (Kyoto Univ.), and Tetsushi SAKUMA and
Ken-ichi Suzuki (Hiroshima Univ.), Kei MIYAMOTO and Marta
TEPEREK (Wellcome Trust/Cancer Research UK Gurdon Institute)

"Manipulation of *Xenopus tropicalis* Eggs and Embryos"

in vitro fertilization of eggs and manipulation of embryos
by Akihiko KASHIWAGI and Keiko KASHIWAGI (Hiroshima Univ.)

"In Vivo Cell Manipulation"

Local gene induction with the infrared laser-evoked gene
operator (IR-LEGO) method
by Yasuhiro KAMEI (NIBB) and Hitoshi YOKOYAMA (Tohoku Univ.)

"Live Imaging"

2-photon microscopy and Digital Scanning Light-sheet Microscopy (DSLM)
by Shigenori NONAKA and Yasuhiro KAMEI (NIBB)

"Strain Preservation"

Cryopreservation of sperm and artificial insemination for Medaka
by Takao SASADO (NIBB)
etc.

For more details and application form,
please visit the website:

<http://www.nibb.ac.jp/course8/>

Seminar/Lecturers

Toshinori HAYASHI (Tottori Univ.)
Yasuhiro KAMEI (NIBB)
Kei MIYAMOTO (Wellcome Trust/Cancer Research UK
Gurdon Institute)
Hajime OGINO (Nagahama Institute of Bio-Science and
Technology)
Hideaki TAKEUCHI (Univ. of Tokyo)
Thomas THUMBERGER (Heidelberg Univ.)
Christoph WINKLER (National Univ. of Singapore)
Hitoshi YOKOYAMA (Tohoku Univ.)
Takashi YOSHIMURA (Nagoya Univ./NIBB)

Organizing Committee

Kiyoshi NARUSE (NIBB and NBRP Medaka)
Akihiko KASHIWAGI (Hiroshima Univ. and NBRP Xenopus)
Naoto UENO (NIBB)
Takashi YAMAMOTO (Hiroshima Univ.)
Masato KINOSHITA (Kyoto Univ.)
Yasuhiro KAMEI (NIBB)
Shigenori NONAKA (NIBB)
Yusuke TAKEHANA (NIBB)
Ken-ichi SUZUKI (Hiroshima Univ.)
Christoph WINKLER (NUS)

Participation

Open application with selection (maximum 16 participants)

Travel Grants

Travel grants for this workshop are available to limited
numbers of graduate students.

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 provided by NIBB.



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