

International Cooperation Group

Specially Appointed Assistant Professor (URA):
TATEMATSU, Kiyoshi
Technical Assistant:
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SANJO, Kazuko
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Group Advisor:
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NIBB has a mission to continually explore the leading-edge of biology and form research communities that link Japan to the world. For this purpose, NIBB holds scientific meetings including “NIBB Conferences” and “Okazaki Biology Conferences (OBC)”, and educational programs such as “NIBB International Practical Courses”. Further, NIBB is tightly interacting with the European Molecular Biology Laboratory (EMBL, European member states) and the Temasek Life Sciences Laboratory (TLL, Singapore) on the basis of cooperative agreements, through exchanging people and techniques and jointly holding scientific meetings. NIBB is also conducting the “NIBB International Collaborative Research Initiative” to promote high-level international collaborations between faculty members of NIBB and researchers around the world. NIBB invites leading-edge researchers from abroad as “Guest Professors” to promote academic exchange with NIBB members and to start new international collaborations.

This group supports and coordinates NIBB’s activities related to international research collaborations, through organizing the various above-mentioned international scientific meetings and technical courses, coordination of dispatching NIBB’s researchers to international conferences, and support of researchers visiting from the institutes mentioned above. This group also supports NIBB internship students visiting from foreign countries, and the dispatching of graduate students of SOKENDAI (the Graduate University for Advanced Studies) to international conferences, which are aimed at nurturing the next generation of researchers in biology. From this year, this group, cooperating with the Okazaki Administration Office, will begin supporting other researchers and students who visit NIBB.

The main activities of the group in 2015

1) Coordination of the International Conferences and the International Practical Course

This group coordinated the following International Conference hosted by NIBB:

The 63rd NIBB Conference “Environment to Bioresponses” Okazaki, Japan, November 30-December 2, 2015 (p. 88)

2) Support of dispatching researchers to international conferences

This group supported sending NIBB researchers to the following events (related to the international cooperative agreements): EMBO Workshop “Embryonic-Extraembryonic Interfaces Emphasis on molecular control of development in amniotes” Göttingen, Germany, May, 6-9, 2015

3) Support of visiting researchers to NIBB

This group supported visits of foreign researchers related to the following events:

Two Guest Professors coming from Heidelberg University, Germany (February) and Tulane University, USA (November)

4) Support of education related programs

This group supported sending and hosting students participating in the following student-related activities of NIBB:

The 17th EMBL PhD Symposium “Just by Chance? – Randomness & Variability Shaping Biology-” Heidelberg, Germany October, 22-24, 2015 (p. 89)

NIBB Internship Program 2015 (p. 92)

Collaborative Research Group

Specially Appointed Associate Professor (URA):
SHIGENOBU, Shuji
KAMEI, Yasuhiro
Technical Assistant:
ICHIKAWA, Mariko
ICHIKAWA, Chiaki
Group Adviser:
YOSHIDA, Shosei

Specially appointed associate professors of this group belong to the NIBB core research facilities and are responsible for managing collaborative research projects and practical courses taking advantage of their expertise in their field., through which this group explores further promotion of information exchange and collaboration among scientific communities, and also supports the development of new equipment and methods.

In 2015, this group hosted a total of 123 collaboration projects. Through these collaboration projects, 28 research papers were published. A noteworthy achievement was the series study of amphibian regeneration directed by Dr. Yokoyama in Hirosaki University and his colleagues. The NIBB collaborative research group and the NIBB Core Facilities supported their research in bioinformatics and bioimaging technologies as individual collaborative research projects from 2012.

- Kawasumi-Kita, A., Hayashi, T., Kobayashi, T., Nagayama, C., Hayashi, S., Kamei, Y., Morishita, Y., Takeuchi, T., Tamura, K. and Yokoyama, H. (2015). Application of local gene induction by infrared laser-mediated microscope and temperature stimulator to amphibian regeneration study. *Dev. Growth Differ.* 57, 601–613.
- Hayashi, S., Ochi, H., Ogino, H., Kawasumi, A., Kamei, Y., Tamura, K. and Yokoyama, H. (2014). Transcriptional regulators in the Hippo signaling pathway control organ growth in *Xenopus* tadpole tail regeneration. *Dev. Biol.* 396, 31-41.
- Hayashi, S., Kawaguchi, A., Uchiyama, I., Kawasumi-Kita, A., Kobayashi, T., Nishide, H., Tsutsumi, R., Tsuru, K., Inoue, T., Ogino, H., Agata, K., Tamura, K. and Yokoyama, H. (2015). Epigenetic modification maintains intrinsic limb-cell identity in *Xenopus* limb bud regeneration. *Dev. Biol.* 406, 271-82.

Gender Equality Promotion Group

Associate Professor:
TSUBOUCHI, Tomomi
Group Adviser:
TAKADA, Shinji

This group supports the improvement of the research environment for female researchers in both research and daily life. This includes our research support system for childbirth and childcare, etc., aiming at promoting the employment of female researchers.

In 2015, this group contributed to the management of the research support system covering childbirth and childcare. This group also organized an enlightenment lecture and published a leaflet for gender equality promotion in collaboration with other institutes of NINS.