

Shinkishi Hatai International Marine Biology Course **18th–24th July 2019**

The Research Center for Marine Biology (RCMB), Tohoku University will hold the Shinkishi Hatai International Marine Biology Course from July 18th to July 24th, 2019. The details of the course are available from our website:

<http://www.biology.tohoku.ac.jp/lab-www/asamushi/shimbc2019.html>

The course is aimed at undergraduate and graduate students who are interested in marine biology and will provide them with experiences with basic experiments and practices. Some of the participants will be Japanese students; therefore, it will be a good opportunity for the students to deepen their exchanges with each other. We regard this course as a unique opportunity for participants to learn about marine biology and specific techniques. Experience with handling marine organisms is not necessary.

Overview:

A marine biology station is the ideal environment to observe live marine organisms and to begin studying marine biology. The marine biology course held at our marine biology station, RCMB, on the coast of Mutsu Bay, provides hands-on experience in handling marine organisms (ascidians) and exploring the diversity of the often-overlooked invertebrate taxa living in the sand interstices (meiobenthos). The first half of the course will introduce the participants to two fields, developmental biology of ascidians and meiobenthology. In the latter half of the course, participants will conduct projects supervised by instructors from each field, and their results will be presented on the last day. Specific projects will be arranged prior to the course.

Projects:

Course in Meiobenthology

Prof. Dr. Reinhardt Møbjerg Kristensen (Natural History Museum of Denmark, University of Copenhagen) & Dr. Shinta Fujimoto (RCMB)

Developmental Biology of Ascidians

Prof. Dr. Alex McDougall (Developmental Biology Laboratory, Villefranche-sur-mer)
Supporting RCMB staff: Drs. Ayaki Nakamoto and Takefumi Negishi (RCMB)

Venue:

Research Center for Marine Biology, Tohoku University (for details see our website: For Users > Access)

Schedule:

18th July: Registration

15:30 Keynote lecture (lecturer: TBA)

18:00 Welcome reception

19th July: “Course in meiobenthology” by Drs. R.M. Kristensen and S. Fujimoto

Lecture & lab work

20th July: “Handling of gametes and observation of ascidian embryos” by Dr. A. McDougal

Lecture & lab work

21st-22nd July: Advanced courses for each project

“Advanced course in meiobenthology” by Drs. R.M. Kristensen and S. Fujimoto

“Regulation of cell divisions and cell cycles during early development” by Dr. A. McDougal

23rd July:

15:00 Presentations of each project

18:00 Farewell party

24th July: Leave Asamushi

Qualifications:

The course is open to undergraduate and graduate students (approx. 15 in total) from any institute, who major in or have an interest in biology or related fields. If the number of applicants exceeds our hosting capacity, we may have to decline some applications. Experience in handling marine animals is not necessary. Accommodation and meals are available at a reasonable rate at the center’s dormitory (for details see the center’s website: For Users). We are unable to support you with your travel expenses.

Registration:

1. Please send an e-mail to the following address indicating your intention to participate in the course and the specific project you want to participate in by 31st March 2019. An early notice of your intention to participate will help us optimize in preparing for individual projects.
E-mail address: **shimbc2019(at)grp.tohoku.ac.jp** [Please change (at) to @]
2. When we receive your e-mail, we will send you an application form with additional information about the course, accommodation, and so on.

Organizing committee:

Dr. Takuya Minokawa (Chairperson)

Dr. Gaku Kumano

Dr. Shinta Fujimoto