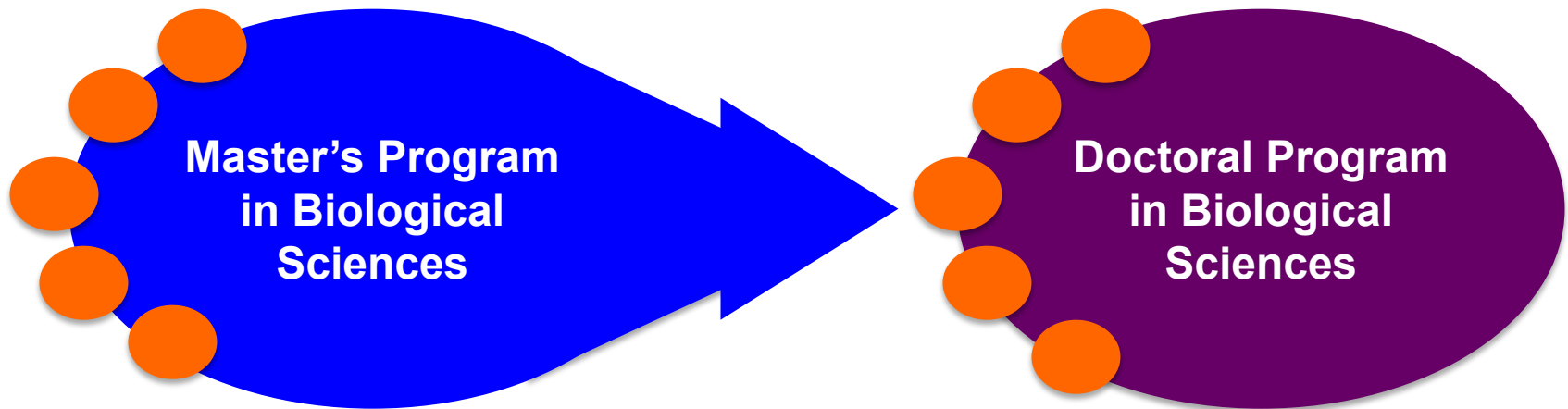


Year 2020 Freshmen Orientation

Master's and Doctoral Programs in Biology, Degree Programs in Life and Earth, Graduate School of Science and Technology, University of Tsukuba

Univ. of Tsukuba (+ cooperative institutes)



RIKEN, NAIST (Nat. Inst. Adv. Industrial Sci. & Tech),
NIID (Nat. Inst. Infectious Disease), NIES (Nat. Inst. Environ. Studies),
NMNS (Nat. Mus. Nat. Sci.), Tokyo Met. Inst. of Med. Sci.

Master's / Doctoral Programs in Biological Sciences

Research Area and Professors

Systematics & Evolutionary Biology

Ken-ichiro Ishida, Masanao Honda, Hiroshi Wada, Yosuke Degawa, Hiroaki Nakano, Takeshi Nakayama, Kensuke Yahta, Yoshiaki Morino, Takashi Shiratori

Ecology

Yukihiko Toquenaga, Akiko Shoji, Kenta Tanaka, Yoshiaki Tsuda, Mitsuru Hirota, Kazuharu Ohashi, Koetsu Kon, Yukie Sato, Shigeki Wada, Sylvan Agostini, Benjamin Harbey

Plant Physiology & Developmental Biology

Shinobu Sato, Akira Kikuchi, Iwane Suzuki, Hiroaki Iwai, Michiyuki Ono, Takuya Suzaki, Ayumi Minoda, Louis Irving

Animal Physiology & Developmental Biology

Satoru Kobayashi, Yasunori Sasakura, Chikafumi Chiba, Ryusuke Niwa, Shunsuke Yaguchi, Keisuke Sakurai, Yuko Shimada, Makoto Hayashi, Yoshiki Hayashi, Takeo Horie, Fumiaki Maruo, Casco Robles Martin Miguel

Molecular & Cellular Biology

Kazuo Inaba, Jason Hall-Spencer, Tomoki Chiba, Kentaro Nakano, Kenji Miura, Kazuichi Sakamoto, Shin-ichi Miyamura, Kaori Ishikawa, Kogiku Shiba, Fuminori Tsuruta, Yasuhisa Hirakawa

Genomics & Bioinformatics

Yuji Inagaki, Kazuto Nakada, Koji Nakamura, Tetsuo Hashimoto, Hidekazu Kuwayama, Kyoichi Sawamura, Ryuhei Harada, Nozomi Ito

Advanced Cellular Biology

Yuzuru Ito, Makoto Onishi, Kisaburo Nagamune, Hiroshi Shitara, Hisanori Matsui

Advanced Molecular Biology

Masanobu Kawachi, Tsuyoshi Hosoya, Masaki Hosoya, Takashi Masaki, Yuko Tajima, Sumire Fujiwara, Shigeharu Moriya

Curriculum for Master's Program

Required Subjects (23 credits) 「必修」

Science Presentations
2 credits

Seminar IS, IF
(1st grade) (4)

Seminar IIS, IIF
(2nd grade) (4)

Seminar in Advanced Biological
Sciences 1 credits

Methodology
IS, IF (1st grade) (6)

Methodology
IIS, IIF (2nd grade) (6)

Subjects related to your master's thesis

「選択」

Elective Subjects (More than 3 credits)

General Biology II (3)

Introduction to Phylogenomics
/ Comparative Omics

Practical Course on Proteome
/ Bioinformatics / Bioimaging

Science Mediation Internship I ~ IV

Field Courses at Sugadaira

Marine Biology series at Shimoda

Elective Subjects (At least 1 credit from each course)

Graduate General Education Courses

<http://www.tsukuba.ac.jp/en/study-tsukuba/study-graduate/kyoutsuukamoku>

Interdisciplinary Foundation Courses

Degree Programs' Common Course

Complete **30 or more credits** according to the enroll manual. Pass the **preliminary oral exam** (Mid Jan.), submit the **Master's thesis**, and pass the final exam.

Elective Subjects

(At least 1 credit from each course)

Graduate General Education Courses

<http://www.tsukuba.ac.jp/en/study-tsukuba/study-graduate/kyoutsuukamoku>

Interdisciplinary Foundation Courses

Degree Programs' Common Course

Examples of courses

Interdisciplinary Foundation Courses

Omnibus Lecture in Biology

Special Lecture on Science Communication (Wood)

Diversity of Organisms (Ishida, Hirakawa)

Molecular Mechanisms of Life (Chiba, Tsuruta)

} 2020

Evolution of Organisms (Wada, Morino)

Cells as a Unit of Life (Nakada, Ishikawa)

} 2021

Degree Programs' Common Courses

Physiology of Animals (Chiba, Sakurai)

Physiology of Plants (Miura, Suzuki)

} 2020

Development and Differentiation of Animals (Kobayashi, Hayashi, Hayashi)

Development and Differentiation of Plants (Kikuchi, Iwai)

} 2021

Curriculum for Doctoral Program in Biological Sciences

Required Subjects (12 credits)

Seminar IIIS, IIIF
(1st grade) (2)

Seminar IVS, IVF
(2nd grade) (2)

Seminar VS, VF
(3rd grade) (2)

Thesis Research S, F
(3rd grade) (6)

Subjects related to
your doctoral thesis

Requirement: Write **one original article** accepted for publication in academic journal. Complete **12 or more credits** according to the enroll manual. Pass the **preliminary oral examination** (November). Submit the **doctoral thesis** and pass the **final oral examination** (February).

Registration

**Confirm the subject numbers you need to take.
(Refer to your supervisor).**

**Do not forget to complete the registration procedure
using TWINS-G system within the specified time period.**

**For the details of the procedure, ask your lab mate or
tutor for help.**

The Academic Service Office will be of your help, too.

The Academic Service Office

(Weekdays 9:00-17:00, Lunch break 12:15-13:15)

/Branch office: **Sei-nou B Build. B521**

☎029-853-6600

Momoyo Iwamoto, Kuniko Kurihara

/Head Office: Dai-ni (Second) gaku-gun Build. 2B 3F

☎029-853-7808 or 4570

Check your mail box, the bulletin board, and your active-mail on a regular basis.

Student Mail Box

Sei-nou B Build. B520

(Next door to the Branch office (B521))

Bulletin Board

In front of the Branch office (B521)

Active-mail

s20xxxxx@u.tsukuba.ac.jp

Do not hesitate to ask the chairpersons or other professors for help, if you have any trouble (with your supervisor).

Chairperson of Master's Program/Project Reader of Biology

Ken-ichiro Ishida

(☎029-853-7877, ishida.kenichiro.gm@u.tsukuba.ac.jp)

Chairperson of Doctoral Program

Kazuto Nakada (☎029-853-6694, knakada@biol.tsukuba.ac.jp)

Vice Chairperson

Tomoki Chiba (☎029-853-4662, tchiba@biol.tsukuba.ac.jp)

Kenji Miura (☎029-853-6401, miura.kenji.ga@u.tsukuba.ac.jp)

Education Affairs

Yuji Inagaki (☎029-853-6483, yuji@ccs.tsukuba.ac.jp)

Head of Curriculum Committee

Chikafumi Chiba(☎029-853-4667, chichiba@biol.tsukuba.ac.jp)

Student Affairs

Yuko Shimada-Niwa

(☎029-853-4907, shimada.yuko.gn@u.tsukuba.ac.jp)

Takuya Suzaki (☎029-853-4674, suzaki.takuya.fn@u.tsukuba.ac.jp)