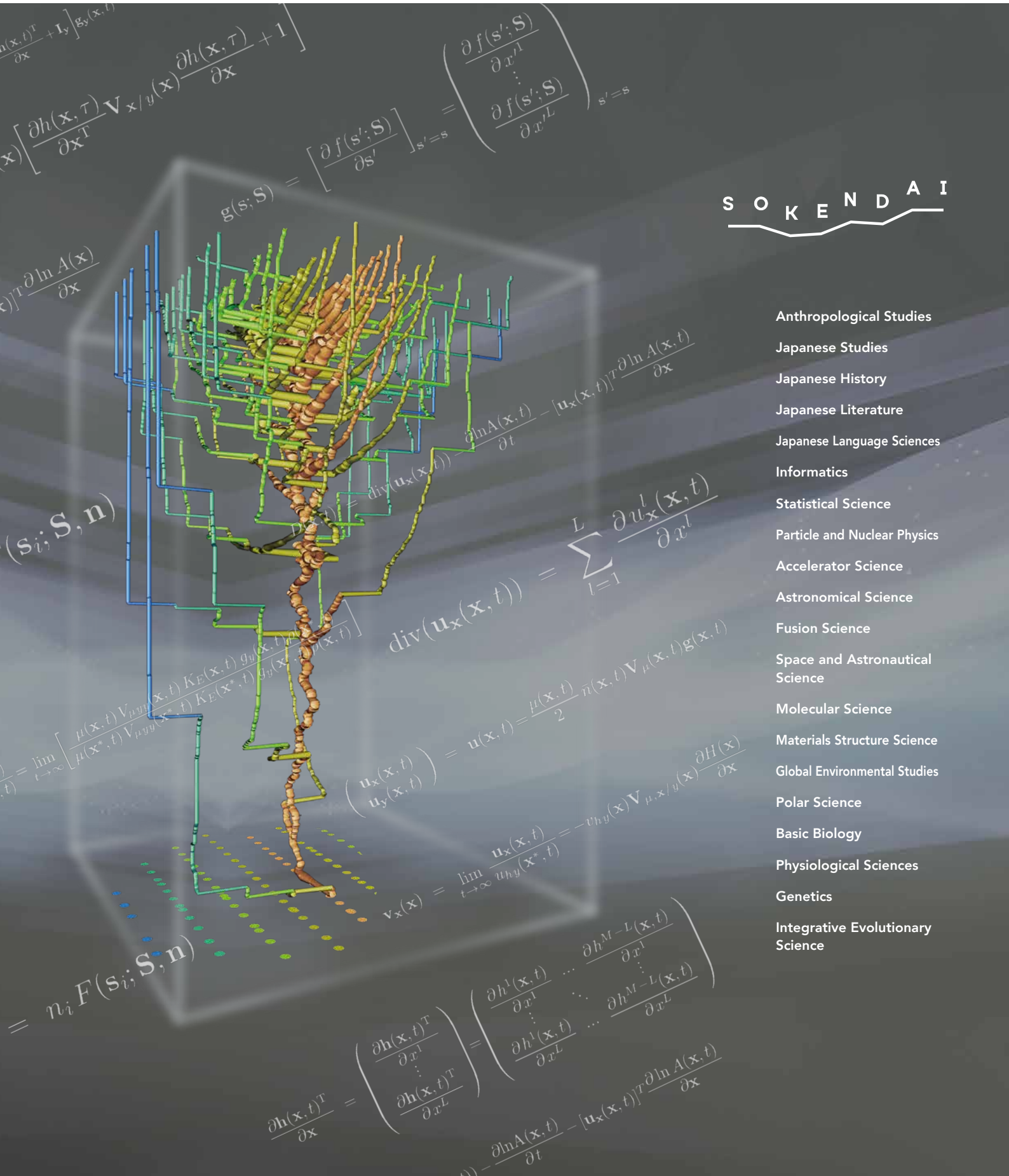
The Graduate University for Advanced Studies, SOKENDAI

2025 – 2026



SOKENDAI

- Anthropological Studies
- Japanese Studies
- Japanese History
- Japanese Literature
- Japanese Language Sciences
- Informatics
- Statistical Science
- Particle and Nuclear Physics
- Accelerator Science
- Astronomical Science
- Fusion Science
- Space and Astronautical Science
- Molecular Science
- Materials Structure Science
- Global Environmental Studies
- Polar Science
- Basic Biology
- Physiological Sciences
- Genetics
- Integrative Evolutionary Science

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Graduate Institute for Advanced Studies

SOKENDAI

Education & Research Activities

DATA

Message from the President

The Graduate University for Advanced Studies, SOKENDAI, is a university dedicated to the cultivation of next-generation doctoral talent through education at national research institutions known as "Inter-University Research Institutes." Since its establishment in 1988 as the first national graduate university in Japan, SOKENDAI has produced approximately 2,500 PhD graduates in various academic fields of basic research.

The Inter-University Research Institutes across our country are equipped with large-scale experimental facilities, advanced research equipment, and valuable research materials, and host leading groups of researchers. Many researchers from Japan and abroad jointly utilize these research facilities and materials, engaging in diverse collaborative research with institutional researchers. These institutions play a central role in advancing a wide range of academic fields, from the humanities to high-energy physics. A key feature of SOKENDAI is that it offers graduate education in such institutions conducting world-class cutting-edge research.

Another distinctive feature of SOKENDAI is its unique educational system. Unlike most universities in Japan, where academic organizations are divided by disciplines such as "Department of Japanese Studies, Graduate School of Humanities" or "Department of Physics, Graduate School of Science," SOKENDAI has a single educational organization called the "Graduate Institute for Advanced Studies," which offers 20 doctoral programs covering a broad range of academic fields including particle physics, materials science, life sciences, astronomy, informatics, history, and culture. The curriculum of the graduate institute is designed to allow students to acquire basic knowledge and education in their chosen field of expertise, while also providing the opportunity to engage in interdisciplinary learning and research activities beyond a single discipline. The five key competencies outlined in our Diploma Policy—"Academic expertise," "Creativity," "Broad perspective," "Global competence," and "Research integrity"—are aimed at producing doctoral professionals capable of tackling challenges beyond their area of expertise and acting as independent researchers.

Today, global society is confronted with numerous challenges, including climate change and environmental issues, poverty and inequality, and political conflicts and disputes, which are increasingly threatening society. The rapid spread of technologies, such as artificial intelligence, and how society will respond to these developments is also a major issue. In fact, it is difficult to even imagine what human society will look like in 10 years. It is precisely in such uncertain times that society needs individuals who can carry the future forward. Universities must respond to this call as centers of learning.

SOKENDAI takes a long-term perspective in envisioning the role of academia that truly contributes to human society. We, at SOKENDAI, strive to make a significant contribution to society through the nurturing of doctoral professionals who contribute to the inheritance and development of academia, which supports the intellectual foundation of society, and who are capable of creating new knowledge through advanced research and development.

April 1, 2025

Nagata, Takashi Ph.D.
President
The Graduate University for Advanced Studies, SOKENDAI

NAGATA Takashi

D. Sc. in Chemistry, Graduate School of Science, the University of Tokyo(1982).
He has served as Assistant Professor, Lecturer, and Associate Professor at the Faculty of Science, the University of Tokyo, Associate Professor at College of Arts and Sciences the University of Tokyo, Associate Professor at the Institute for Molecular Science, Professor at the Graduate School of Arts and Sciences, the University of Tokyo, Vice President of the University of Tokyo, and Professor and Director at the Research Department, the National Institution for Academic Degrees and Quality Enhancement of Higher Education. Since 2017, he has been the Director and Vice President of the Graduate University for Advanced Studies, SOKENDAI, and he has held his current position since April 2023.

Purpose of Establishment

The Graduate University for Advanced Studies, SOKENDAI, was founded in 1988 as the first National graduate university in Japan with the principle of contributing to the creation and development of culture through education and research in academic theory and application. As a world-class international graduate university, SOKENDAI operates in close partnership and collaboration with the inter-university research institutes (parent institutes).
Based on this principle, SOKENDAI aims to foster researchers with broad perspectives and advanced research capabilities that are globally accepted in fundamental academic fields. It promotes international academic research extending beyond the borders of traditional academic fields through interdisciplinary fusion and pioneers new interdisciplinary and cutting-edge fields of study.

Inter-University Research Institutes

The inter-university research institutes (parent institutes) provide researchers with research resources that individual universities cannot afford, such as large-scale facilities and equipment, vast amounts of data and valuable materials. They serve as the core center established for shared usage and collaborative research that considers the demands of researchers in the relevant fields, as well as research bases that lead cutting-edge academic research in Japan through diverse collaborative research with researchers in Japan and around the world.
SOKENDAI provides advanced specialized education and research guidance by leveraging the excellent research environment provided by its parent institutes as a place for education, with the faculty consisting of a rich pool of researchers from various fields.

Features of SOKENDAI

SOKENDAI has 20 programs in collaboration with the inter-university research institutes (parent institutes) under Graduate Institute for Advanced Studies.
This provides an educational environment transcending academic boundaries and flexibly offering the diverse educational resources of the inter-university research institutes. SOKENDAI fosters independent researchers with “Advanced Specialty and Expertise”, “Broad Perspective” and “International Competitiveness” backed by five competencies.

Five Competencies

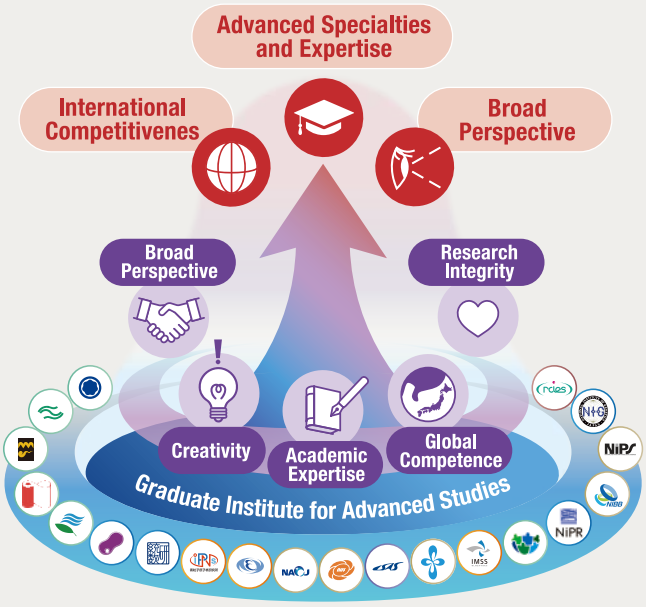
Academic Expertise to promote advanced research with leveraging collective expertise in a specialized field.

Creativity to tackle new challenges with an innovative idea backed by well-founded academic knowledge and strategies, and to create new academic values.

Broad Perspective to expand into interdisciplinary fields to proactively address the broader issues of interest to the global community by using his/her specialized expertise.

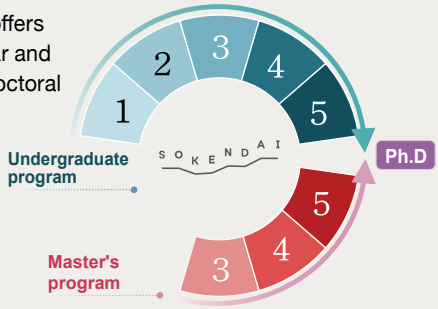
Global Competence to achieve a research outcome at a high level of global competitiveness by developing mutual understanding and cooperation across barriers of nationality, language, culture, gender, religion, etc.

Research Integrity to conduct himself/herself appropriately as a responsible researcher possessing accountability for his/her own research outcome, with recognizing the significance and role of academic research in society.



Doctoral program

SOKENDAI offers both five-year and three-year doctoral program.



Student support

Financial support

SOKENDAI financially supports excellent students’ research activities through the Research Assistant System, the Tuition Waiver System, and the SOKENDAI Special Researcher Program.

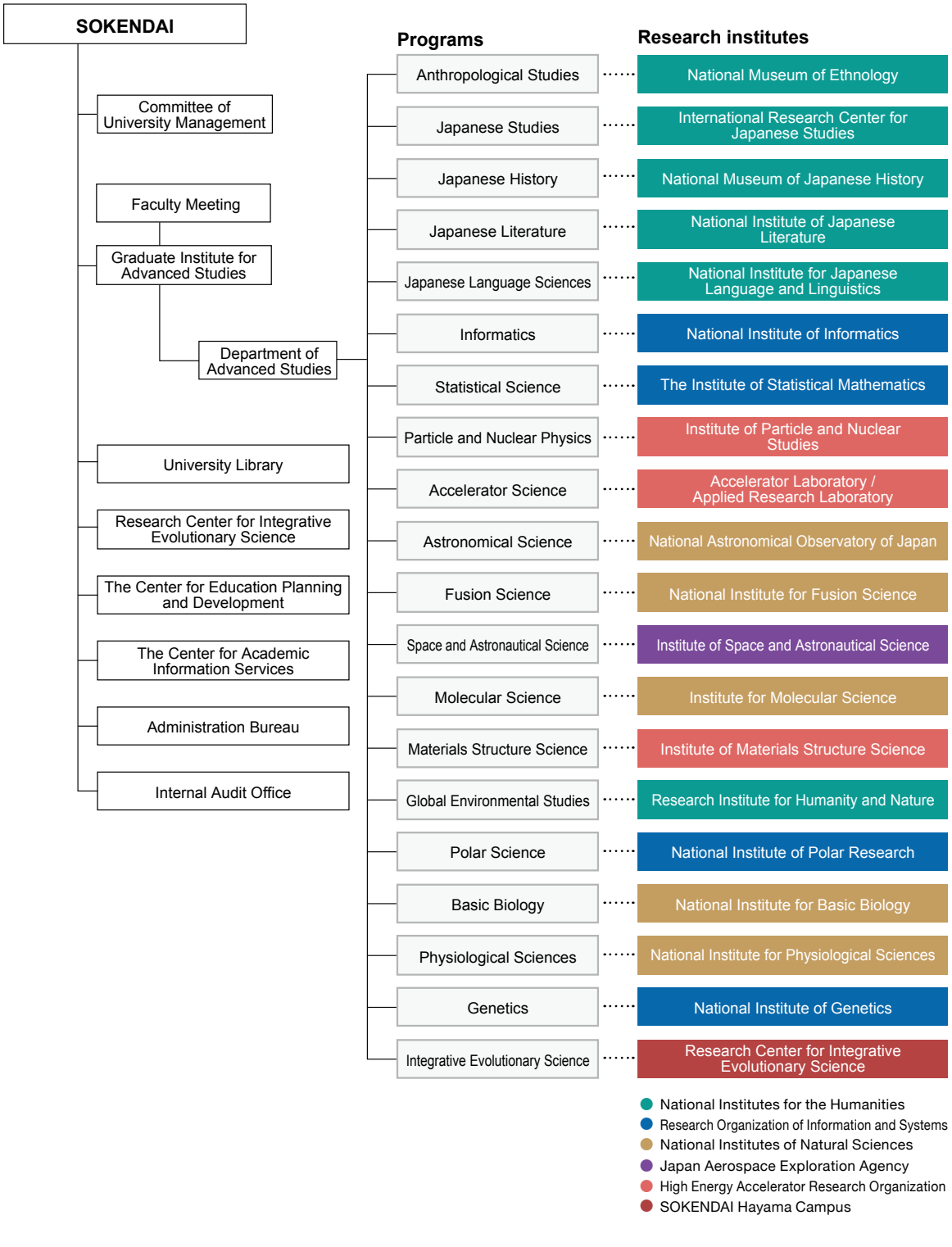
Research Dispatch Support

SOKENDAI supports excellent students who engage in long-term joint research activities in Japan and abroad through the SOKENDAI Student Dispatch Program and the SOKENDAI Dual Degree Program.

For more information, please click the URL https://www.soken.ac.jp/en/features/

Research and Education System

SOKENDAI has established the Graduate Institute for Advanced Studies as a basic educational and research organization equivalent to a graduate school.
The Graduate Institute for Advanced Studies has 20 programs with a wide variety of specialties, which are developed in the research environment of four Inter-University Research Institute Corporations and Japan Aerospace Exploration Agency.
In addition, the University Library, the Research Center for Integrative Evolutionary Science, The Center for Education Planning and Development and The Center for Academic Information Services have been established as university-wide facilities.



Organization

As of April 1, 2025

Administrative Board

President	NAGATA Takashi
Executive Director	YAMAMOTO Satoshi
Executive Director	KURUSHIMA Noriko
Auditor	HISABORI Toru
Auditor	TANAKA Teruhiko
	(The above are corporate members)
Vice President	YAMAMOTO Satoshi
Vice President	KURUSHIMA Noriko
Executive Officer	ARIKAWA Kentaro
Executive Officer	FUJISAWA Hironori
President's Assistant	MICHIZONO Shinichiro

Graduate Institute for Advanced Studies

Dean, Graduate Institute for Advanced Studies	SAKAKIBARA Satoru
Chair, Anthropological Studies	MIO Minoru
Chair, Japanese Studies	ENOMOTO Wataru
Chair, Japanese History	SAKAMOTO Minoru
Chair, Japanese Literature	NISHIMURA Shintaro
Chair, Japanese Language Sciences	ISHIGURO Kei
Chair, Informatics	TAKEDA Hideaki
Chair, Statistical Science	YOSHIMOTO Atsushi
Chair, Particle and Nuclear Physics	HARA Takanori
Chair, Accelerator Science	MIURA Takako
Chair, Astronomical Science	SEKII Takashi
Chair, Fusion Science	SAKAKIBARA Satoru
Chair, Space and Astronautical Science	YAMADA Toru
Chair, Molecular Science	IINO Ryota
Chair, Materials Structure Science	KUMAI Reiji
Chair, Global Environmental Studies	KONDO Yasuhisa
Chair, Polar Science	HIRAWAKE Toru
Chair, Basic Biology	NIIMI Teruyuki
Chair, Physiological Sciences	FURUSE Mikio
Chair, Genetics	SAITO Kuniaki
Chair, Integrative Evolutionary Science	KUTSUKAKE Nobuyuki

University Library

Director	KURUSHIMA Noriko
Deputy Director	YAGYU Shuji

Research Center for Integrative Evolutionary Science

Director	INNAN Hideki

The Center for Education Planning & Development

Director	YAMAMOTO Satoshi

The Center for Academic Information Services

Director	KURUSHIMA Noriko

Administration Bureau

Secretary-General	SATO Akihiro
Manager, General Planning Division	MOCHIZUKI Tsuyoshi
Manager, General Affairs Division	ASADA Yoshimi
Manager, Financial Affairs Division	YAGI Yuichiro
Manager, Academic and Students Affairs Division	NAKAJIMA Naoya

Education and Research Council

President	NAGATA Takashi
Executive Director (Vice President)	YAMAMOTO Satoshi
Executive Director (Vice President)	KURUSHIMA Noriko
Chair, Graduate Institute for Advanced Studies	
Chair, Fusion Science	SAKAKIBARA Satoru
Chair, Anthropological Studies	MIO Minoru
Chair, Japanese Studies	ENOMOTO Wataru
Chair, Japanese History	SAKAMOTO Minoru
Chair, Japanese Literature	NISHIMURA Shintaro
Chair, Japanese Language Sciences	ISHIGURO Kei
Chair, Informatics	TAKEDA Hideaki
Chair, Statistical Science	YOSHIMOTO Atsushi
Chair, Particle and Nuclear Physics	HARA Takanori
Chair, Accelerator Science	MIURA Takako
Chair, Astronomical Science	SEKII Takashi
Chair, Space and Astronautical Science	YAMADA Toru
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Chair, Physiological Sciences	FURUSE Mikio
Chair, Genetics	SAITO Kuniaki
Chair, Integrative Evolutionary Science	KUTSUKAKE Nobuyuki

Administrative Council

President	NAGATA Takashi
Executive Director (Vice President)	YAMAMOTO Satoshi
Executive Director (Vice President)	KURUSHIMA Noriko
Professor, Program of Japanese Literature Director General, National Institute of Japanese Literature	WATANABE Yasuaki
Professor, Program of Molecular Science Director General, Intitute for Molecular Science	WATANABE Yoshihito
Professor, Program of Particle and Nuclear Physics Director, Institute of Particle and Nuclear Studies	SAITO Naohito
Professor, Program of Genetics Director-General, National Institute of Genetics	KONDO Shigeru
Director General, High Energy Accelerator Research Organization	ASAI Shoji
Outside Director, Japan Post Bank	AMANO Reiko
President, Eikei University of Hiroshima	ARINOBU Mutsuhiro
President, Hanazono University	ISODA Fumio
Professor, Faculty of Letter, Konan University	INOSE Kumie
President, National Institutes of Natural Sciences	KAWAI Maki
President, Research Organization of Information and Systems	KITSUREGAWA Masaru
President, National Institutes for the Humanities	KIBE Nobuko
Senior Corporate Adviser, Mitsubishi Estate Co., Ltd.	KIMURA Keiji
Director General, Institute of Space and Astronautical Science, Japan Aerospace Exploration Agency	FUJIMOTO Masaki
Representative Director & President, President, RiseWaveKei LLC	SEKINE Chizu
President, Akita Prefectural University	FUKUDA Hiroo
President, Akita International University	MONTE Cassim
President, Japan Agency for Marine-Earth Science and Technology	YAMATO Hiroyuki

Inter-University Research Institutes participating in SOKENDAI

SOKENDAI ❶

The Center for Education Planning and Development
The Center for Academic Information Services・University Library
Shonan Village, Hayama, Kanagawa, 240-0193 Japan
TEL: +81-46-858-1500
URL: https://www.soken.ac.jp/en/

Research Center for Integrative Evolutionary Science

Integrative Evolutionary Science
TEL: +81-46-858-1577(RCIES admin.office)
URL: https://rcies.soken.ac.jp/

National Institutes for the Humanities
National Museum of Ethnology ❷

Anthropological Studies
10-1 Senri Expo Park, Suita, Osaka, 565-8511 Japan
TEL: +81-6-6878-8236
URL: https://www.minpaku.ac.jp/

National Institutes for the Humanities
International Research Center for Japanese Studies ❸

Japanese Studies
3-2 Oeyama-cho, Goryo, Nishikyo-ku, Kyoto, 610-1192 Japan
TEL: +81-75-335-2222
URL: https://www.nichibun.ac.jp/en/

National Institutes for the Humanities
National Museum of Japanese History ❹

Japanese History
117 Jonai-cho, Sakura-shi, Chiba, 285-8502 Japan
TEL: +81-43-486-0123
URL: https://www.rekihaku.ac.jp/

National Institutes for the Humanities
National Institute of Japanese Literature ❺

Japanese Literature
10-3, Midori-cho, Tachikawa, Tokyo, 190-0014 Japan
TEL: +81-50-5533-2900
URL: https://www.nijl.ac.jp/en/

National Institutes for the Humanities
National Institute for Japanese Language and Linguistics ❻

Japanese Language Sciences
10-2 Midori-cho, Tachikawa City, Tokyo, 190-8561 Japan
TEL: +81-570-08-8595
URL: https://www.ninjal.ac.jp/english/

National Institutes for the Humanities
Research Institute for Humanity and Nature ❼

Global Environmental Studies
1457-4 Motoyama, Kamigamo, Kita-ku, Kyoto, 603-8047 Japan
TEL: +81-75-707-2148
URL: https://www.chikyu.ac.jp/rihn_e/

National Institutes of Natural Sciences
Institute for Molecular Science ❽

Molecular Science
38 Nishigonaka, Myodaiji, Okazaki, 444-8585 Japan
TEL: +81-564-55-7000
URL: https://www.ims.ac.jp/en/

National Institutes of Natural Sciences
National Institute for Basic Biology ❾

Basic Biology
38 Nishigonaka, Myodaiji, Okazaki, 444-8585 Japan
TEL: +81-564-55-7000
URL: https://www.nibb.ac.jp/en/

National Institutes of Natural Sciences
National Institute for Physiological Sciences ❿

Physiological Sciences
38 Nishigonaka, Myodaiji, Okazaki, 444-8585 Japan
TEL: +81-564-55-7000
URL: https://www.nips.ac.jp/eng/

National Institutes of Natural Sciences
National Astronomical Observatory of Japan ⓫

Astronomical Science
2-21-1 Osawa, Mitaka, Tokyo, 181-8588 Japan
TEL: +81-422-34-3600
URL: https://www.nao.ac.jp/en/

NAOJ Mizusawa campus ⓬

2-12 Hoshigaoka, Mizusawa, Oshu, Iwate, 023-0861 Japan
TEL: +81-197-22-7111

Nobeyama Radio Observatory ⓭

462-2 Nobeyama, Minamimakimura, Minamisaku, Nagano, 384-1305 Japan
TEL: +81-267-98-4300

Subaru Telescope ⓮

650 North A'ohoku Place, Hilo, Hawaii 96720 U.S.A.
TEL: +1-808-934-7788

NAOJ Chile Observatory ⓯

Los Abedules 3085, Oficina 701, Vitacura, Santiago, Chile
TEL: +56-2-2656-9253

National Institutes of Natural Sciences
National Institute for Fusion Science ⓰

Fusion Science
322-6, Oroshi-cho, Toki, Gifu, 509-5292 Japan
TEL: +81-572-58-2222 or 2042
URL: https://www.nifs.ac.jp/en/

Japan Aerospace Exploration Agency
Institute of Space and Astronautical Science ⓱

Space and Astronautical Science
3-1-1, Yoshinodai, Chuo-ku, Sagamihara, Kanagawa, 252-5210 Japan
TEL: +81-42-759-8012
URL: https://www.isas.jaxa.jp/en/

High Energy Accelerator Research Organization Tsukuba Campus ⓲

Accelerator Laboratory・Applied Research Laboratory

Accelerator Science
https://www2.kek.jp/accl/eng/
https://www2.kek.jp/arl/en/home-en/

Institute of Materials Structure Science

Materials Structure Science
https://www2.kek.jp/imss/eng/

Institute of Particle and Nuclear Studies

Particle and Nuclear Physics
https://soken-pnp.kek.jp/en/

1-1 Oho, Tsukuba, Ibaraki, 305-0801 Japan
TEL: +81-29-864-1171 or 5128
URL: http://www.kek.jp/

Tokai Campus ⓳

203-1 Shirakata, Tokai, Ibaraki, 319-1106, Japan

Research Organization of Information and Systems
The Institute of Statistical Mathematics ⓴

Statistical Science
10-3 Midori-cho, Tachikawa, Tokyo, 190-8562 Japan
TEL: +81-50-5533-8500
URL: https://www.ism.ac.jp/index_e.html

Research Organization of Information and Systems
National Institute of Polar Research ㉑

Polar Science
10-3 Midori-cho, Tachikawa, Tokyo, 190-8518 Japan
TEL: +81-42-512-0612
URL: https://www.nipr.ac.jp/

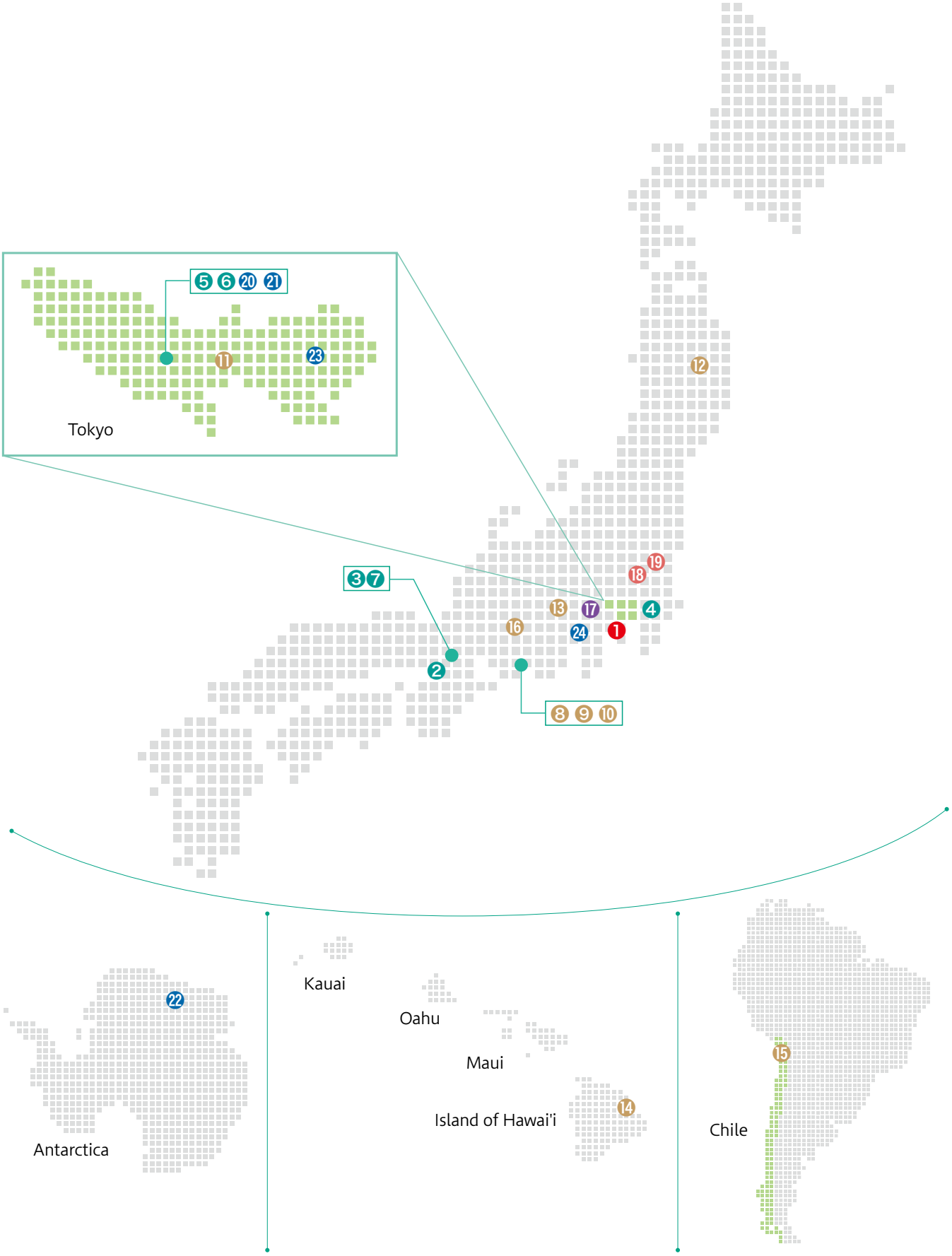
Syowa Station (Antarctica) ㉒

Research Organization of Information and Systems
National Institute of Informatics ㉓

Informatics
2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo, 101-8430 Japan
TEL: +81-3-4212-2108
URL: https://www.nii.ac.jp/en/

Research Organization of Information and Systems
National Institute of Genetics ㉔

Genetics
1111 Yata, Mishima, Shizuoka, 411-8540 Japan
TEL: +81-55-981-6720
URL: https://www.nig.ac.jp/



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History 1982–

June 1982

An informal committee of the directors general of international university research institutes issues an appeal for the introduction of post-graduate courses in the institutes.

April 1986

An informal committee of the directors general of inter-national university research institutes produces a summary of the basic concepts of a postgraduate school for advanced studies based on the results of an investigation by a working group set up to investigate issues related to postgraduate schools. An Office and Committee for the Investigation of the Preparation of the Establishment of a Postgraduate School for Advanced Studies are established at Okazaki National Research Institutes.

March 1987

The Committee for the Investigation of the Preparation of the Establishment of a Postgraduate School for Advanced Studies produces a summary of the basic concepts of a postgraduate school for advanced studies.

May

An Office and Committee for Preparation of the Establishment of a Postgraduate School for Advanced Studies are established at Okazaki National Research Institute.

July

The Committee for Preparation of the Establishment of a Postgraduate School for Advanced Studies produces an interim summary on the preparation of the establishment of a tentatively named Graduate University for Advanced Studies.

April 1988

An Office and Committee for Preparation of the Establishment of the Graduate University for Advanced Studies are established at Okazaki National Research Institute.

May

The "Law to amend part of the National School Establishment Law" (Law No. 63, 1988), which stipulates the establishment of the Graduate University for Advanced Studies, is announced and enacted.

September

The Committee for Preparation of the Establishment of the Graduate University for Advanced Studies produces a summary of the preparation of the establishment of the Graduate University for Advanced Studies.

October

The Graduate University for Advanced Studies is inaugurated. The central administration office is established at the Tokyo Institute of Technology (now Institute of Science Tokyo) Nagatsuda Campus.

Scool of Mathematical and physical Science
- Department of Statistical Science
- Department of Accelerator Science
- Department of Scynchrotron Radiation Science
- Department of Structual Molecular Science
- Department of Functional Molecular Science

School of Life Science
- Department of Genetics
- Department of Molecular Biomechanics
- Department of Physiological Science

(The university commences matriculation from April 1989.)

Dr.Saburo Nagakura is appointed as the first President of the University.

Establishment of university
Saburo Nagakura, the first president ofSOKENDAI, hangs the SOKENDAI signin a rented room at the Tokyo Institute of Technology (now Institute of Science Tokyo) Nagatsuda Campus. 1988. 10. 1

April 1989

The School of Cultural and Social Studies is established with the Department of Regional Studies and Department of Comparative Studies. The University commences matriculation of students for the three schools.

January 1990

Dr.Eizi Hirota is appointed as the first Vice President of the University.

April 1991

The Coordination Center for Research and Education is established.

April 1992

The Department of Japanese Studies (School of Cultural and Social Studies), and the Departments of Astronomical Science and Fusion Science (School of Mathematical and Physical Science) are established; matriculation begins.

April 1993

The Department of Polar Science (School of Mathematical and Physical Science) is established; matriculation begins.

February 1994

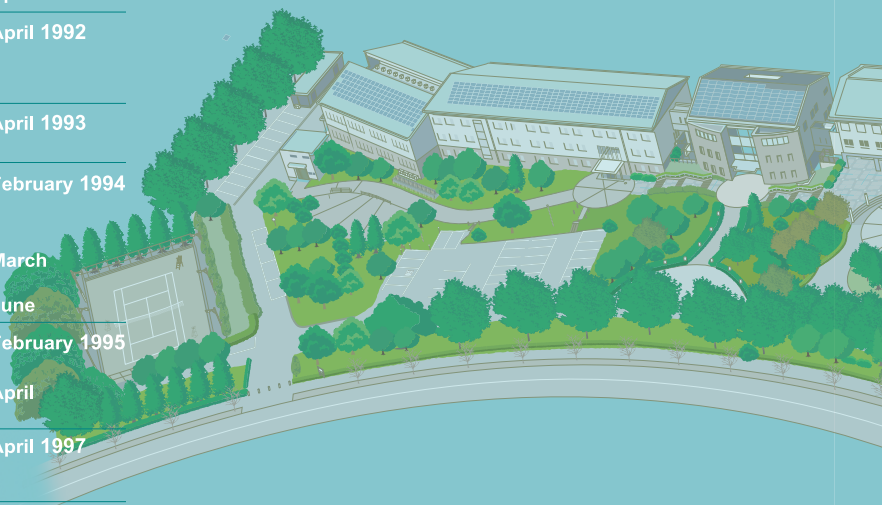
Land in Hayama, Kanagawa (27,000m^2), is donated by Mitsui Fudosan Ltd. to allow the construction of the University's central administration office, as a result of the mediation services of the Kanagawa prefectural government.

March

Construction of the central administration office (4,205m^2) begins at the Hayama Campus.

June

The Information Center for Research and Education is established.



February 1995

Administrative functions are transferred from Nagatsuda Campus to Hayama; construction is completed on the central administration building.

April

Dr.Eizi Hirota is appointed as the second President.
Dr.Kazuo Moriwaki is appointed as the second Vice President.

April 1997

The School of Advanced Sciences, with the Department of Biosystems Science, is established at the Hayama Campus (matriculation begins in April 1999).

April 1998

The Department of Photoscience (School of Advanced Sciences) is established (matriculation begins in April 1999). The Department of Synchrotron Radiation Science changes its name to "The Department of Materials Structure Science".

September

Construction of the School of Advanced Sciences building for research (3,060m^2), begins at the Hayama Campus.

April 1999

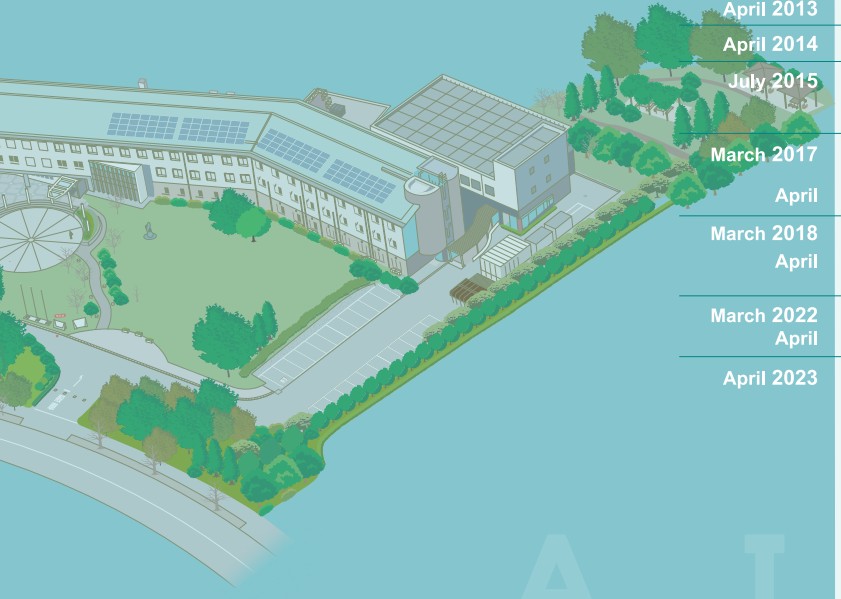
The School of Cultural Studies changes its name to "The School of Cultural and Social Studies". The Department of Japanese History is established in the School of Cultural and Social Studies, and The Department of Particle and Nuclear Physics is established in the School of Mathematical and Physical Science; matriculation begins in both new Departments. The School of Advanced Sciences commences matriculation.

June

Construction completed on the research building for the School of Advanced Sciences.

History of SOKENDAI Presidents

The 1st President	Saburo, Nagakura (DSc)	Oct.1988 to Mar.1995
The 2nd President	Eizi, Hirota (DSc)	Apr.1995 to Mar.2001
The 3rd President	Keiichi, Kodaira (DSc)	Apr.2001 to Mar.2008
The 4th President	Naoyuki, Takahata (DSc)	Apr.2008 to Mar.2014
The 5th President	Yasunobu, Okada (MB)	Apr.2014 to Mar.2017
The 6th President	Mariko, Hasegawa (DSc)	Apr.2017 to Mar.2023
The 7th President	Takashi, Nagata (DSc)	Apr.2023 to present



April 2001	Dr.Keiichi Kodaira is appointed as the third President. Dr.Naoyuki Takahata is appointed as the third Vice President. The Department of Cyber Society and Culture (School of Cultural and Social Studies) is established; matriculation begins.
July	Construction begins on the Hayama Campus Library (1,427m²).
February 2002	Library construction completed.
April	The Department of Informatics established in the School of Mathematical and Physical Science; matriculation begins.
April 2003	The Department of Japanese Literature (School of Cultural and Social Studies), and the Department of Space and Astronautical Science (School of Mathematical and Physical Science) are established; matriculation begins.
October	"The National University Corporation Law (Law No. 112 of 2003)" is promulgated and enforced.
April 2004	Reformation into the National University Corporation, Graduate University for Advanced Studies Dr. Sc. Keiichi Kodaira is reappointed as the President of the University.The School of Mathematical and Physical Science is reformed into three schools: the School of Physical Science (including the departments of Structural Molecular Science, Functional Molecular Science, Astronomical Science, Fusion Science and Space and Astronautical Science), the School of High Energy Accelerator Science (including the departments of Accelerator Science, Materials Structure Science, Particle and Nuclear Physics), and the School of Multidisciplinary Science (including the departments of Statistical Science, Polar Science and Informatics). The School of Life Science has reformed a three-year doctoral program into a five-year doctoral program.
April 2005	The name of the Department of Molecular Biomechanics at the School of Life Science has changed to the Department of Basic Biology.
April 2006	The School of Physical Sciences, the School of High Energy Accelerator Science, and the School of Multidisciplinary Sciences have implemented the five-year doctoral program system. The Schools have begun to accept students.
April 2007	The School of Advanced Sciences is reorganized to establish the Department of Evolutionary Studies of Biosystems (providing a five-year doctoral program), in stead of its two existing departments, the Department of Biosystems Science and the Department of Photo Science (providing three-year doctoral programs), matriculation begins.
April 2008	Dr. Naoyuki Takahata has been appointed as the fourth President.
April 2009	The Department of Cyber Society and Culture has stopped accepting new students.
March 2010	Construction of the Center for the Promotion of Integrated Sciences (1,033m²) begins at the Hayama Campus.
April	The name of Hayama Center for Advanced Studies has changed to the Center for the Promotion of Integrated Sciences.
January 2011	Construction of the Center for the Promotion of Integrated Sciences is completed.
April 2013	Information Services and Technology Center is established.
April 2014	Dr.Yasunobu Okada has been appointed as the fifth President.
July 2015	The Center for Academic Information Services is established by unification of the University Library and the Information Services and Technology Center.
March 2017	Department of Cyber Society and Culture abolished. (Dept. operation period from 2001.4.1 to 2017.3.31)
April	Dr. Mariko Hasegawa has been appointed as the sixth President.
March 2018	The Center for Educational Development is established.
April	The Center for the Promotion of Integrated Sciences is abolished. SOKENDAI Tokyo Branch is established (Minato-ku, Tokyo)
March 2022	Tokyo branch abolished.
April	Research Center for Integrative Evolutionary Science is established.
April 2023	Dr.Takashi Nagata has been appointed as the seventh President. Graduate Institute for Advanced Studies is established, matriculation begins. The Center for Educational Development is reorganized to establish The Center for Educational Planning Development. School of Cultural and Social Studies, School of Physical Science, School of High Energy Accelerator Science, School of Multidisciplinary Science, School of Life Sciences, School of Advanced Sciences abolished.

Anthropological Studies

National Museum of Ethnology

National Institutes for the Humanities

Program Outline

Three-year doctoral program
Doctor of philosophy

Chair

MIO Minoru

A distinctive feature of the program is the production of a doctoral thesis with an ethnographic description based on fieldwork, irrespective of the region or theme under research. We want students to be generalists with knowledge of a wide range of cultural phenomena, as well as specialists in a particular region or theme. To this end, students can make use not only of the program's lectures and seminars but also of the museum's resources, research projects, academic conferences, exhibitions, and lectures for general visitors, performances, and film shows.

The Anthropological Studies Program is offered by National Museum of Ethnology. Students will conduct research on the diverse cultures of humankind in various parts of the world from prehistoric times to the present. From the perspective of cultural anthropology, ethnology, and related fields, student will be instructed in ethnographic research that describes and analyzes specific cultures and in cross-cultural research that compares cultures from specific perspectives. The goal is for students to complete their dissertation by utilizing data obtained through field research as well as specimens, audio-visual materials, and literature of the National Museum of Ethnology.

This program consists only of a three-year doctoral program for students who have obtained a master's degree or those who are recognized as having equivalent to master's degree or higher academic ability. Students will study at the National Museum of Ethnology, located in Suita City, Osaka.

Workers engaged in weeding in a lotus field.
(Hunan Province, China,2024/photo by LIUDAN)

Students having a lively discussion

A wayang kulit performance by the female dalang (Nyi Kenik Asmorowati)
(Sukoharjo Regency, Central Java, Indonesia, 2024/ photo by Misaki Kishi)

Career Options for Graduates in this Program

- Researchers at universities and research institutes, museums and other institutions of higher education in cultural anthropology.
- Past graduates of the program have been employed by Osaka University, Ritsumeikan University, Tokyo University of Foreign Studies, etc.

National Museum of Ethnology

10-1 Senri Expo Park , Suita City, Osaka 565-8511, Japan
https://www.minpaku.ac.jp/en

Japanese Studies

International Research Center for Japanese Studies

National Institutes for the Humanities

Program Outline Three-year doctoral program
Doctor of philosophy

Chair

ENOMOTO Wataru

Those who enroll in this course can gain research abilities with broad perspectives, under the guidance of multiple instructors, not merely their supervisor. Each instructor is an expert in their field, can manage various research fields in a cross-sectional manner. With such a favorable international and interdisciplinary environment, we consider it the mission of this course to cultivate researchers who will play an active role in both domestic and international academic societies in the future. We welcome applicants who aspire to undertake innovative research with a global perspective.

This program provides education and research on Japanese culture from a global perspective, to promote international and interdisciplinary Japanese studies across the humanities, social sciences, and natural sciences. The goal is to foster researchers in Japan and abroad who will lead the next generation of global Japanese studies. The program will cultivate an interdisciplinary spirit that deals with cross-cutting issues, multifaceted perspectives, a wide range of interdisciplinarity, and a high level of international reach and originality.

The program offers only a three-year doctoral program for students who have obtained a master's degree. Doctoral candidates who belong to this program will study and conduct research at the International Research Center for Japanese Studies, located in Kyoto, Kyoto Prefecture.

Library of the International Research Center for Japanese Studies

International symposium offering graduate students an opportunity to present their research

Graduate student project presentation meeting organized by the students themselves

Japanese ceremonies: wedding and funeral

Kanei gyoukou zukan (The Illustrated Record of Emperor Go-mizuno-o's Formal Visit to Nijo Castle)

Miyako nenju gyoji gajo [Picture Album of Annual Festivals in Miyako]

Career Options for Graduates in this Program

- Researchers in humanities, social sciences, and natural sciences at national level research institutes or private companies; faculty members in humanities, social sciences, and natural sciences departments at universities; researchers conducting cutting-edge project-based research at private companies
- Specialized historians at universities and research institutes; or faculty engaged in education and research on Japanese and regional cultures at universities and other institutions of higher education; researchers and curators at museums, etc.
- Researchers in the private and public sectors in the fields of humanities, social sciences, natural sciences, etc.

International Research Center for Japanese Studies

3-2 Oeyama-cho, Goryo, Nishikyo-ku, Kyoto 610-1192 Japan
https://www.nichibun.ac.jp/en/

Japanese History

National Museum of Japanese History

National Institutes for the Humanities

Program Outline Three-year doctoral program
Doctor of philosophy

Chair

SAKAMOTO Minoru

The Japanese History Program, based at the National Museum of Japanese History (NMJH, or known as 'REKIHAKU'), allows students to pursue historical research using a variety of approaches, including history, archaeology, folklore, art history, informatics, and analytical science.
One of the main features of this program is that students can conduct practical research using the vast historical and cultural materials in REKIHAKU's collection and the latest analytical equipment. We also aim to collaborate with 19 other programs of SOKENDAI, covering various academic fields in the humanities and sciences. We welcome all students who are engaged in the study of history from a wide range of interests.

This program aims to nurture researchers who can conduct advanced and cutting-edge research in the Japanese history field in the broad sense of the term, with a specialized, international, and interdisciplinary perspective, and who can contribute to society through their advanced research skills and expertise.
This program consists of a three-year doctoral program for students who have obtained a master's degree.

Students in this program will study and conduct research activities at the National Museum of Japanese History, located in Sakura City, Chiba Prefecture. With full use of the museum's vast collection and state-of-the-art analytical techniques, the student's doctoral dissertation will have fruition in the highest level of material-based research.

Collection Storage


Lecture scene from the Exhibition Room 1, in front of Naumann elephant


Public Lecture - Tripartite Talk


Rescue activities of damaged historical and cultural materials (Ishinomaki, Miyagi Pref.)


Lecture in front of a model of an authorized trading ship with a vermilion seal in Exhibition Room 2.


View of Cherry Blossom from the museum entrance hall

Career Options for Graduates in this Program

- Career Opportunities:
  Researchers for specialized fields such as history, folklore, and archaeology at universities and research institutes; researchers and curators for museums; etc.

National Museum of Japanese History

117 Jonai-cho, Sakura City,
Chiba Prefecture 285-8502
https://www.rekihaku.ac.jp/english/index.html

Japanese Literature

National Institute of Japanese Literature

National Institutes for the Humanities

Program Outline

Three-year doctoral program
Doctor of philosophy

Chair

NISHIMURA Shintaro

In this course, under the guidance of multiple faculty members, students can acquire the skills and research capabilities to work with primary sources related to Japanese literature and related fields from various perspectives. The National Institute of Japanese Literature's extensive collection of Japanese classical and modern texts, documents, and image resources, along with its domestic and international research network, serves as a superb research resource. Additionally, there are opportunities to engage in cutting-edge research projects. We look forward to welcoming those eager to pursue original research and who value their intellectual curiosity.

This program, with the National Institute of Japanese Literature as its parent institute, fosters students to become leaders in the new development of Japanese literature. Specifically, this program aims to enable students to acquire specialized research techniques and comprehensive analytical skills and knowledge by focusing on primary sources as research subjects, mainly literature, among cultural resources. The program fosters logical thinking and writing skills, creative and interdisciplinary perspectives, as well as the ability to tackle issues in peripheral fields, to nurture researchers with a broad perspective who can tackle issues in surrounding fields and play an active role both domestically and internationally.

This program consists of only the doctoral program, and students in this program will study and conduct research activities at the National Institute of Japanese Literature, National Institutes for the Humanities, located in Tachikawa City, Tokyo.

Closed stacks at the National Institute of Japanese Literature

Graduate School Library

Lectures on Introduction to Archival Studies (Archives College)

National Institute of Japanese Literature

10-3 Midori-cho, Tachikawa city,
TOKYO 190-0014, Japan
https://www.nijl.ac.jp/en/

Career Options for Graduates in this Program

- Career Opportunities:
  Specialized researchers of Japanese literature at universities and research institutions, faculty members engagedin education and research of Japanese literature at universities and other institutions of higher education, curators at art galleries and museums, etc.

Japanese Language Sciences

National Institute for Japanese Language and Linguistics

National Institutes for the Humanities

Program Outline

Three-year doctoral program
Doctor of philosophy

Chair

ISHIGURO Kei

The Japanese Language Sciences Program has a notable feature among graduate programs in Japan that focus on the study of language: It allows students to conduct research on language in an environment where a wide range of research activities are being conducted, not only in the field of humanities, but also in the field of mathematical and information sciences. This is the reason why the program is named "Japanese Language Sciences," rather than Japanese linguistics or Linguistics. The Program in Japanese Language Sciences welcomes young researchers who are willing to take on the challenge of conducting original linguistic research.

The Japanese Language Sciences program aims to foster the future generations of researchers who can analyze the Japanese language objectively and quantitatively based on data, utilizing the linguistic resources and research network accumulated by National Institute for Japanese Language and Linguistics. The program will cultivate the ability and skills of students to conduct linguistic analysis using new methods in theoretical investigations, experiments, language education, fieldwork, social surveys, and computer simulations, in addition to conventional analytical methods.

This program is a three-year doctoral program for students who have obtained a master's degree. Students in this program will study and conduct research activities at National Institute for Japanese Language and Linguistics, located in Tachikawa City, Tokyo.

The World Atlas of Transitivity Pairs (WATP)

Collective search of multiple language corpora

"Kenshukuryōko-shū" published in 1695 about kana orthography of "じぢずづ."

Career Options for Graduates in this Program

●Possible career paths for graduates:

i) University faculty members and researchers who conduct research using Japanese language information processing and data science in the fields of Japanese language studies and Japanese language education;

ii) Data scientists and natural language processing engineers who are active in the information processing industry using their linguistic expertise;

iii) Curators, archivists, and local government officials with linguistic expertise;

iv) Researchers and educators who teach the Japanese language in Japan and abroad;

v) Developers of digital teaching materials related to Japanese language for native speakers and Japanese as a second language.

National Institute for Japanese Language and Linguistics

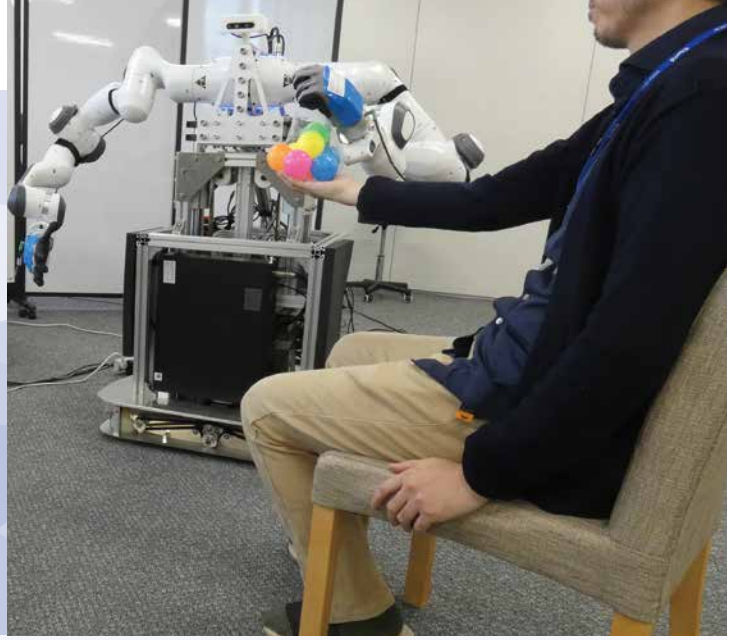
10-2 Midori-cho, Tachikawa City, Tokyo, 190-8561

https://www.ninjal.ac.jp/english/

Informatics

National Institute of Informatics

Research Organization of Information and Systems



Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

TAKEDA Hideaki

Informatics is a comprehensive academic field including computer sciences, information engineering, artificial intelligence, and mathematics—which are necessary for data scientists. In addition, it includes humane and social informatics, which focus on humans and their society.
This program aims to nurture outstanding researchers and highly skilled professionals by conducting research and education in the various phases of basic, applied, and practical informatics, and train and develop leaders who are able to hold international leadership.

The informatics program aims to nurture researchers who will make new, cutting-edge contributions to the field of informatics, an interdisciplinary field that crosses a wide range of disciplines from information science and information engineering to humanities and social informatics, for the further development of the information society.

This program has a five-year doctoral program for bachelor's degree holders and a three-year doctoral program for master's degree holders. Students enrolled in this program conduct academic and research activities at the National Institute of Informatics, located in Chiyoda-ku, Tokyo.

Socializing in the 16th floor lounge

Poster Exhibition at an Open House

High-performance cloud for in-house research

National Institute of Informatics

2-1-2 Hitotsubashi, Chiyoda-ku,
Tokyo, 101-8430 Japan
https://www.nii.ac.jp/en/

Career Options for Graduates in this Program

- Researchers and engineers engaged in the field of informatics (basic theory and application of information technology (IT), basic and applied AI and data sciences, etc.) at domestic and overseas universities, public research institutions, and private companies
- Faculty in the department of informatics at universities and other institutions
- Researchers and engineers who can conduct project-based research on informatics at companies and universities

Statistical Science

The Institute of Statistical Mathematics

Research Organization of Information and Systems

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

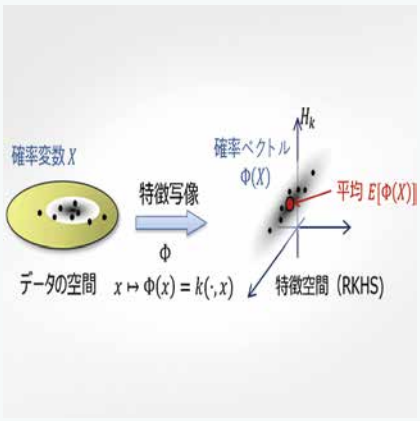
YOSHIMOTO Atsushi

The Institute of Statistical Mathematics provides an environment that allows smooth access to cutting-edge research. This environment enables graduate students to come into contact with cutting-edge research easily. Various research projects are in progress, and graduate students can participate in any that interest them. The graduate students are guided by primary supervisors and sub-supervisors, and various courses are offered to help the graduate students acquire basic skills. The Statistical Science program is considered the best environment in Japan for studying and researching statistical science.

To realize the extraction of information and knowledge from real-world data, this program conducts education and research related to data collection design, modeling, inference and prediction, as well as their fundamentals in mathematics and practical application. The program aims to develop researchers who are equipped with creative research skills that contribute to solving various intricately intertwined important issues.

This program consists of two programs: a five-year doctoral program for bachelor's degree students and a three-year doctoral program for master's degree students. Students enrolled in this program will conduct academic and research activities at the Institute of Statistical Mathematics, located in Tachikawa city, Tokyo.

Library of the Institute of Statistical Mathematics



Kernel method

Supercomputer System for Data Assimilation
(HPE Superdome Flex)

Career Options for Graduates in this Program

- Local and foreign universities, national and corporate research institutes, private companies (e.g., IT, manufacturing, financial, and pharmaceutical companies), etc.

The Institute of Statistical Mathematics

10-3 Midori-cho, Tachikawa,
Tokyo, 190-8562 Japan
https://www.ism.ac.jp/index_e.html

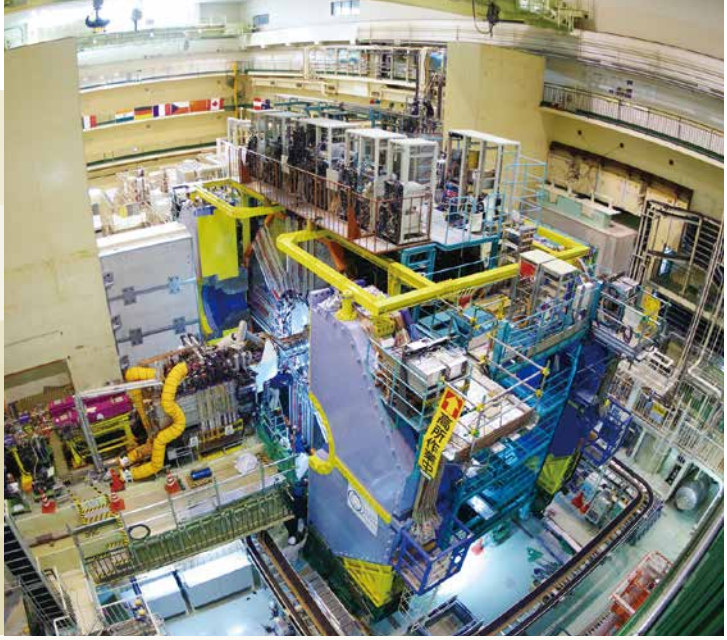
Particle and Nuclear Physics

Institute of Particle and Nuclear Studies

High Energy Accelerator Research Organization

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

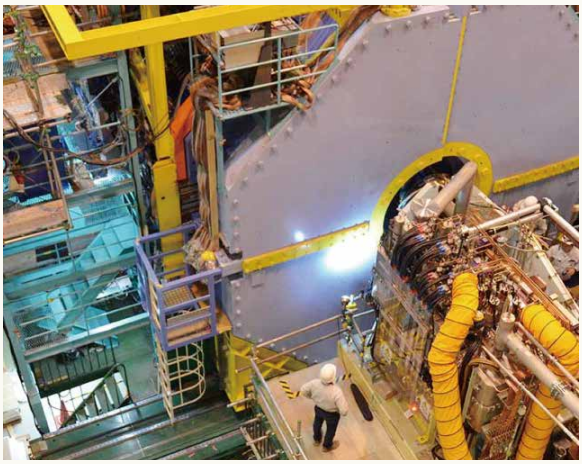


Chair

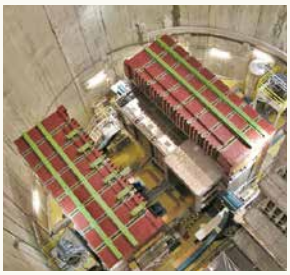
HARA Takanori

KEK has been playing a central role in exploring the frontiers of particle and nuclear physics as one of the leading research institutes in the world such as CERN in Europe. SOKENDAI students belong to either theoretical or experimental group in KEK and are involved in a cutting-edge research project, which enables them to acquire all the skills and capabilities required to become a researcher by the time they get Ph.D. There are indeed many people who are already working worldwide after finishing the program. We welcome all the students who wish to become a researcher in this extraordinary environment for research and education.

We aim to foster the next generation of researchers who will explore the origin and structure of the universe. They will study how the universe works at the very smallest and largest levels—exploring elementary particles and atomic nuclei, alongside options to study cosmology and other related fields. We will give researchers a broad perspective and high level of expertise, which will allow them to actively contribute to the future of research across many interrelated fields of science.
We offer two programs: a five-year doctoral program for students with a bachelor's degree and a three-year doctoral program for students with a master's degree. Students will belong to either the Theoretical Research Group or the Experimental Research Group of the Institute of Particle and Nuclear Studies (IPNS) at the High Energy Accelerator Research Organization (KEK). They will conduct their studies and research activities at KEK's Tsukuba Campus, Tokai Campus, the Wako Nuclear Science Center, or at experimental facilities located worldwide.



The Belle II detector that started operation with the aim of discovering new physics ©KEK



T2K near detector ©KEK

Daily discussions in the theory group by SOKENDAI students and their supervisor ©KEK

Career Options for Graduates in this Program

- Career Opportunities: Researchers and university faculty members in particle physics, nuclear physics, cosmology and related fields; researchers and engineers who carry out cutting-edge project-based research at companies and national laboratories; and researchers and engineers in the private and public sectors in the fields of nuclear power, radiation, information processing, electricity, electronics, and communications.

Institute of Particle and Nuclear Studies

1-1 Oho, Tsukuba, Ibaraki,
305-0801 Japan
https://soken-pnp.kek.jp/en/

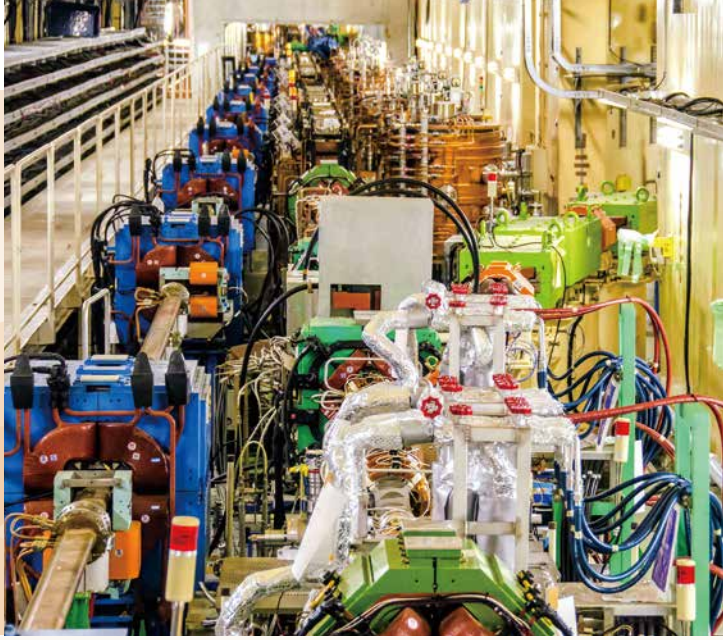
Accelerator Science

Accelerator Laboratory / Applied Research Laboratory

High Energy Accelerator Research Organization

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy



Chair

MIURA Takako

In the Accelerator Science Program, the world's most advanced large accelerators of the High Energy Accelerator Research Organization (KEK) are in operation close at hand, and students can carry out research in an environment where advanced technological development and research in various scientific and technological fields of the accelerators are being conducted. Students learn basic knowledge about accelerators and gain practical experience using a compact accelerator for educational purposes, before carrying out doctoral research in their specialized field. We welcome those who are willing to find and solve problems on their own while collaborating with others.

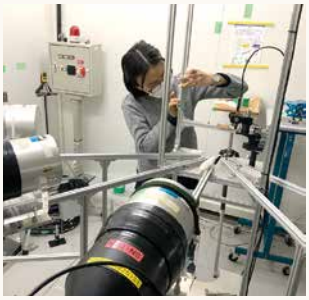
High-energy accelerators are large experimental machines for the cutting-edge research on the various components in each level of nature, from elementary particles and atomic nuclei to molecules consisting of matter including life. In recent years, accelerator science has made remarkable progress in applications that directly benefit society, such as industry and medicine. It is a complex science that consists of essence of the most advanced science and technology for the fundamental research and development of accelerators. Students in the accelerator science program acquire practical knowledge of accelerator science and conduct research from both theoretical and experimental perspectives. They can choose to study and conduct research also in the fields of radiation science, computer science, superconducting cryogenics, and mechanical engineering, which support accelerator science. Students in this program aim to become researchers who will be responsible for the future of accelerator science and contribute to promoting natural science through accelerator science.

This program consists of two programs: a five-year doctoral program for bachelor's degree holders and a three-year doctoral program for master's degree holders. Students will study and conduct research at the Accelerator Laboratory and Applied Research Laboratory of the High Energy Accelerator Research Organization (KEK), which has two large campuses in Tsukuba City and Tokai Village, Ibaraki Prefecture.

Superconducting magnets in the J-PARC Neutrino Experimental Facility

Assembling work of fast beam kicker

Beam study at Photon Factory (PF) electron storage ring



Installation of detectors for photoneutron measurement

Career Options for Graduates in this Program

- Researchers at domestic and foreign accelerator related research institutes and private companies

Accelerator Laboratory / Applied Research Laboratory

1-1 Oho, Tsukuba, Ibaraki, 305-0801 Japan
https://www2.kek.jp/accl/eng/
https://www2.kek.jp/arl/en/home-en/

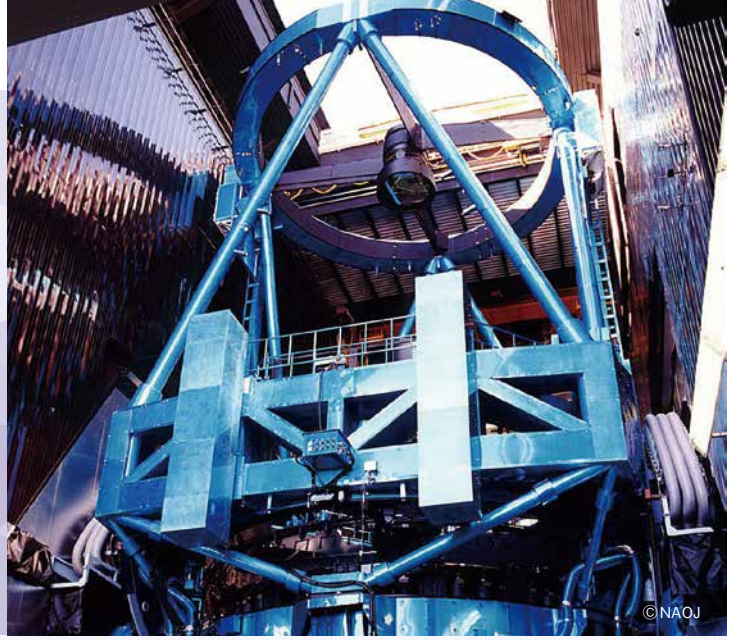
Astronomical Science

National Astronomical Observatory of Japan

National Institutes of Natural Sciences

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy



Chair

SEKII Takashi

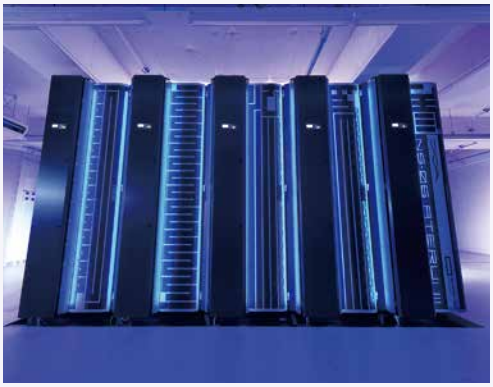
In Astronomical Science Program, of the Graduate University for Advanced Studies, students are engaged in astronomical research through theory, observations, or development of new observational instruments. National Astronomical Observatory of Japan, with many researchers in diverse fields, provides an auspicious setting where many graduate students can study and pursue their own research. Are you good at math and physics? Do you enjoy programming? Does actually observing the universe thrill you like nothing else? Do you get excited putting together instruments and apparatuses? If your answer is yes for any of these, there is a place here for your activities. Please come and study at the Astronomical Science Program.

Astronomical Science Program offers advanced education and research through a wide range of observational and theoretical studies with state-of-the-art optical-infrared and radio telescopes. This program covers the development and application of advanced new technologies fundamental to astronomical observation; the design, fabrication, and experimentation of new observational instruments; the development of data acquisition and analysis methods; the development of technologies ranging from basic to advanced observational astronomy; as well as observational research using these technologies and theoretical research using supercomputers.

The program offers a five-year doctoral program for bachelor's degree holders and a three-year doctoral program for master's degree holders.

Graduate students enrolled in the program will conduct their studies and research activities at the National Astronomical Observatory of Japan (NAOJ), based in Mitaka City, Tokyo.

ALMA ©X-CAM/ALMA (ESO/NAOJ/NRAO)



The new supercomputer for astronomy "ATERUI III." © NAOJ

National Astronomical Observatory

2-21-1 Osawa, Mitaka, Tokyo,
181-8588 Japan
https://www.nao.ac.jp/en/

Career Options for Graduates in this Program

- Research and education staff in astronomical sciences and related fields at universities and research institutes in Japan and abroad; engineers at private companies; and science communicators

Fusion Science

National Institute for Fusion Science

National Institutes of Natural Sciences

Program Outline

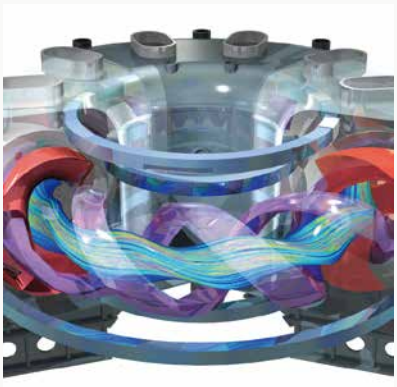
Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

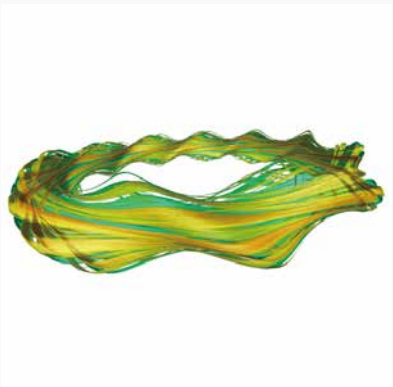
SAKAKIBARA Satoru

The Fusion Science Program seeks students who are actively engaged in unexplored research subjects such as understanding of plasma physics, development of measurement devices, control technology, development and research of materials with excellent heat and radiation resistance required for reactors, and superconductivity technology, in order to realize a fusion reactor at an early date. Our goal is to develop general engineers who can be applied to any research field by honing their own skills with fusion science research as their axis. We look forward to your challenge.

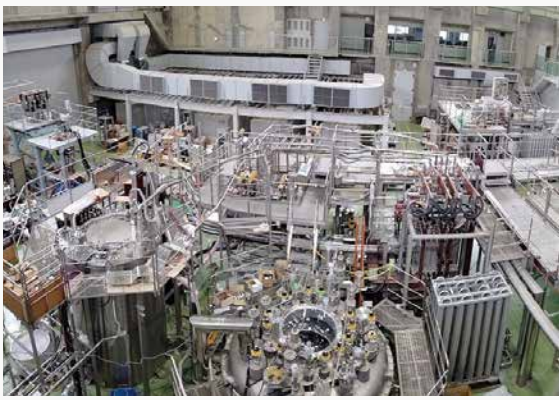
The Fusion Science program fosters integrated science and engineering scholars who have a systematic understanding of the wide range of science and engineering fields required for the early realization of fusion reactors and who are capable of working in a variety of research fields. By conducting advanced research (experimental, theoretical, etc.), rationally understanding research results, and taking on unexplored research challenges, our students acquire new technologies and skills with high value and contribute to the realization of fusion energy and other human developments.
This program consists of a five-year doctoral program for bachelor's degree holder and a three-year doctoral program for master's degree holder. Students will conduct their studies and research activities at the National Institute for Fusion Science (NIFS), located in Toki City, Gifu Prefecture.



The simulation of microscopic instability in core plasmas of large helical devices using a gyrokinetic particle code



Simulation of turbulence from LHD first-principles



Superconducting conductor test facilities in Superconducting Magnet System Laboratory

Career Options for Graduates in this Program

- Career Opportunities for Graduates
  Engineers and researchers in fusion and related fields at national laboratories; faculty members in fusion studies (plasma experiments, theory, materials engineering, superconducting engineering, etc.) at universities; engineers and researchers who carry out cutting-edge project-based research at companies; etc.

National Institute for Fusion Science

322-6, Oroshi-cho, Toki,
Gifu, 509-5292 Japan
https://www.nifs.ac.jp/en/

Space and Astronautical Science

Institute of Space and Astronautical Science

Japan Aerospace Exploration Agency

Program Outline

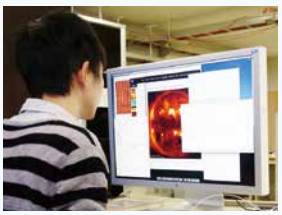
Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

YAMADA Toru

The Space and Astronautical Science Program leverages the collaboration with Institute of Space and Astronautical Science, JAXA, to provide advanced education and research guidance by researchers who are actively involved in conducting research and projects at the forefront of space science. We encourage students to delve into learning and researching new fields of science and engineering in the vast expanse of space utilizing various means such as space telescopes and experiments, spacecraft for scientific exploration of the solar system, nano-satellites, balloon experiments, rockets. We look forward to the aspirations of motivated students who wish to contribute to the future of space science research and development, as well as the future utilization of space.

The Space and Astronautical Science Program provides advanced education and research guidance through theoretical research, analysis of observational data, and practical research and development in astrophysics, solar system science, and space engineering. The program fosters researchers with a broad perspective and internationally advanced abilities, as well as individuals who contribute to society with advanced expertise. In particular, through close contact with cutting-edge, large-scale space projects, the program cultivates not only a rich academic background in space science but also the ability to plan space projects.
This program consists of two programs: a five-year doctoral program for bachelor's degree holder and a three-year doctoral program for master's degree holder. Students will conduct their studies and research activities at the Institute of Space and Astronautical Science (ISAS) located in Sagamihara, Kanagawa Prefecture.



Data analysis of satellite observation

An laboratory experiment

Smart Lander for Investigatin Moon(SLIM) realized a high-precision landing on the Moon. ©JAXA/TOMY/Sony Group Corporation/Doshisha University

X-ray Imaging and Spectroscopy Mission (XRISM), which will unveil the mysteries of the universe ©JAXA

Epsilon rocket on a launch pad ©JAXA

Participation in the sounding rocket experiment as the Field works course.

Institute of Space and Astronautical Science

3-1-1 Yoshinodai, Chuo-ku, Sagamihara, Kanagawa, 252-5210 japan
https://www.isas.jaxa.jp/en/

Career Options for Graduates in this Program

- Researchres in the field of space science (astrophysics, solar system science, space engineering) at universities, national laboratories, etc.; engineers and researchers in space development and related fields at private companies and national laboratories; engineers who carry out cutting-edge project-based research at private and public companies, etc.

Molecular Science

Institute for Molecular Science

National Institutes of Natural Sciences

Program Outline

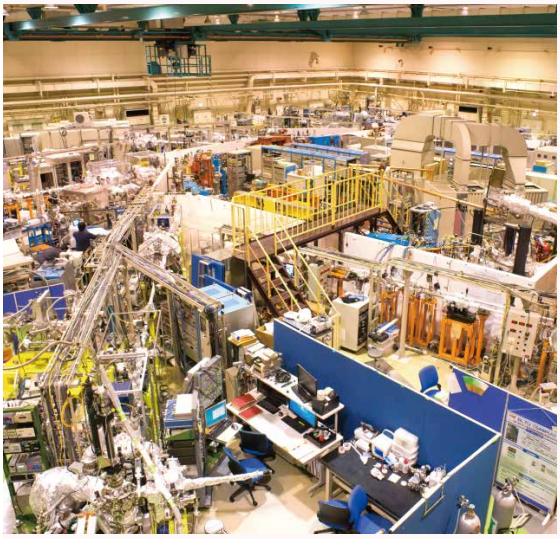
Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

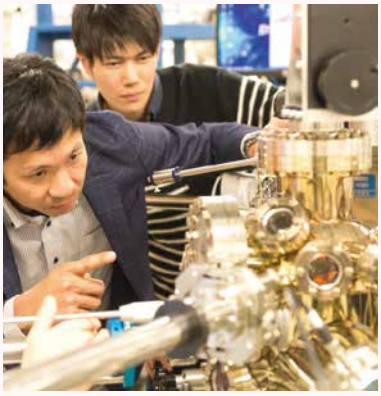
IINO Ryota

Molecular science covers a wide range of natural sciences such as chemistry, physics, and life sciences. In this course, students will learn under the careful guidance of faculty members who are researchers in the above fields and their interdisciplinary areas, and will promote research using facilities and equipment not available at ordinary universities. Research keywords include quantum technology, spectroscopy, imaging, superconductivity, chirality, spin, topology, material conversion, energy conversion, catalysis, enzymes, proteins, etc. We welcome your enrollment.

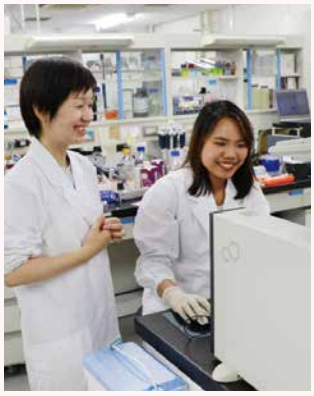
The Molecular Science Program establishes a systematic understanding of molecules, the basic building blocks of matter, and trains the next generation of researchers to unravel the wide variety of phenomena exhibited by matter. We aim to produce graduates who can conduct advanced research (e.g., experiments, measurements, theory), rationally understand research results, challenge unexplored issues from free inspiration, pursue new intellectual values and universal truths, and contribute to human development based on molecular science.
This program consists of two programs: a five-year doctoral program for bachelor's degree holders and a three-year doctoral program for master's degree holders. Students will conduct their studies and research activities at the National Institute for Molecular Science, located in Okazaki, Aichi Prefecture.



UVSOR Synchrotron Facility



Measurement of the electronic state by photoelectron spectroscopy



Purification of proteins by high-performance liquid chromatography

Institute for Molecular Science

38 Nishigonaka, Myodaiji, Okazaki, Aichi, 444-8585 Japan
https://www.ims.ac.jp/en/

Career Options for Graduates in this Program

- Career Opportunities for Graduates:
  Researchers and faculty members in the field of molecular science at universities and national and public research institutes; Researchers and engineers who pursue advanced research challenges through public research projects and in private research institutes.

Materials Structure Science

Institute of Materials Structure Science

High Energy Accelerator Research Organization

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

KUMAI Reiji

In The Materials Structure Science Program, cutting-edge scientific research is conducted using quantum beams such as synchrotron radiation, neutrons, muons, and slow positrons obtained from large accelerators. In this context, the program fosters researchers who will lead sciences and technologies on the structure and function of materials in a wide range of research fields. Graduates of the program are expected to become not only core researchers at domestic or overseas quantum beam facilities, but also power users who promote research using quantum beams.

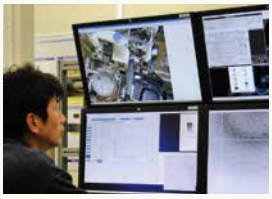
The Materials Structure Science program conducts cutting-edge scientific research using quantum beams, such as synchrotron radiation, neutrons, muons, and slow positrons obtained from advanced accelerators. In this program, we train researchers who will pioneer fundamental and cutting-edge research to elucidate the structure and function of materials in an extremely wide range of research fields, including physics and chemistry, materials science, life science, medicine, environmental science, and earth science. By promoting research on further advancement of quantum beam generation and utilization technologies, this program aims to produce PhDs who will contribute to the development of a new frontier in materials structure science.

We offer two programs: a five-year doctoral program accepting bachelor's degree holders and a three-year doctoral program accepting master's degree holders. Students will conduct their studies and research activities at the High Energy Accelerator Research Organization (KEK) Institute of Materials Structure Science, located in Tsukuba and Tokai, Ibaraki Prefecture.

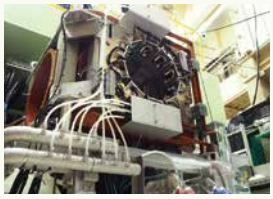
Synchrotron Radiation Facility, Photon Factory (PF) ©IMSS

Experimental Hall of Materials and Life Science Experimental Facility (MLF) ©IMSS

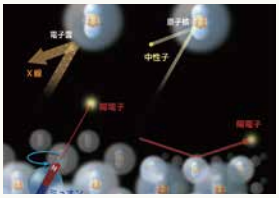
Experimental hall of PF ©IMSS



Biological macromolecular X-ray crsytallography experiment using synchrotron radiation



Muon D1 Instrument of MLF ©IMSS



Four kinds of quantum beams

Career Options for Graduates in this Program

- Career Opportunities:
  Engineers and researchers at domestic and overseas quantum beam facilities; faculty members and researchers in material sciences and life sciences departments at universities and public research institutions; engineers and researchers who carry out and lead cutting-edge project-based research at public and private companies.

Institute of Materials Structure Science

1-1 Oho, Tsukuba, Ibaraki,
305-0801 Japan
https://www2.kek.jp/imss/eng/

Global Environmental Studies

Research Institute for Humanity and Nature

National Institutes for the Humanities

Program Outline Three-year doctoral program
Doctor of philosophy

Chair

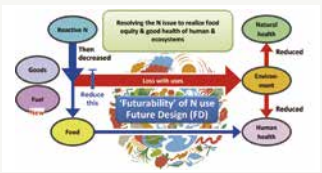
KONDO Yasuhisa

The Program in Global Environmental Studies is newly established in SOKENDAI in FY2023. RIHN offers a range of unique opportunities in global environmental research, including making use of RIHN's interdisciplinary research projects and the related expertise of individual faculty members. We look forward to meeting applicants who strive to promote unique research perspectives, and who will benefit from the wide range of lectures and seminars in Global Environmental Studies offered at RIHN.

The Global Environmental Studies Program is based on the Research Institute for Humanity and Nature (RIHN), a constitutional member of the National Institutes for Humanities (NIHU). RIHN strives for the realization of an equitable, fair and sustainable society globally by formulating how the relationship of people and nature to be, from the community to global scale. To realize this vision, it leads the way in the comprehensive study of the environment that aims for a practice directed towards solving global environmental problems and a fundamental and inclusive understanding of the mutual interaction of humans and nature, based on interdisciplinary research that fuses humanities, social science and natural science and as well as transdisciplinary research that cooperates and collaborates with society. In such a research environment of RIHN, this program is designed to train independent researchers who set research agenda and conduct research based on their own expertise. To encourage students to gain knowledge and methodologies accumulated in the academic fields that constitute Global Environmental Studies, the program provides small-group education and research training based on advanced theories, methods, and practices.
This program offers a three-year doctoral program for students who have obtained a master's degree. Students in this program study and conduct research at RIHN in Kyoto.

Project laboratory which reflects a research environment that allows for debates and mutually inspiring interactions without being bound by traditional laboratory setting

Graduate interns and RIHN researchers discussing field work results (FairFrontiers Project, implementation period: FY2020–2025)



Towards sustainable use of nitrogen (Sustai-N-able Project, FY2022-2027)

TD training course co-hosted by RIHN and the Future Earth Asia Regional Center (TERRA School 2019)

One of the best analytical research environments for stable isotope analysis in Japan

"Mizu-no-wa Classroom" in Yaese Town, Okinawa. Springwater survey with local children (LINKAGE project, implementation period: FY2022–2026)

Career Options for Graduates in this Program

- Career Opportunities for Graduates
- Faculties engaged in education and research on environmental studies at universities and other institutions of higher education. Engineers, researchers, and support staff in environment related fields at companies, government offices, national and public research institutes, local governments, international organizations, and NGOs.
- Researchers and curators at museums and other institutions.

Research Institute for Humanity and Nature

457-4 Motoyama, Kita-Ku,
Kyoto, 603-8047
https://www.chikyu.ac.jp/rihn/education/public_E/

Polar Science

National Institute of Polar Research

Research Organization of Information and Systems

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

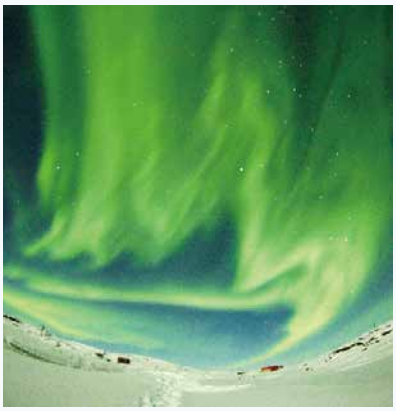
Chair

HIRAWAKE Toru

The Polar Science Program conducts education and research focused on natural phenomena occurring in the regions of the North and South Poles, embracing a view of the Earth as a global-scale environment. Through these activities, we strive to cultivate outstanding researchers equipped with advanced research and the ability to work as "field scientists". The program welcomes students with the desire to take up the emerging challenges of polar science in a new era.

The Polar Science Program aims to nurture outstanding researchers equipped with advanced research capabilities in space and planetary science, solar-terrestrial physics, meteorology, glaciology, atmospheric science, oceanography, geoscience, solid earth science, bioscience, and related fields, to explore universal principles and laws that govern various natural and physical phenomena in the polar regions and high mountains. The program also expects students to elucidate the role of polar regions in the global environmental changes and the earth and planetary systems, as well as the geological and natural history of polar regions.

We offer two programs (curriculums): five-year and three-year doctoral program that accepts bachelor's degree holders and master's degree holders, respectively. Students in the program will conduct their studies and research activities at the National Institute of Polar Research, located in Tachikawa, Tokyo.



Aurora Borealis in Antarctica
(photo by Hidehiko Suzuki, M.S. Polar Science)

Photo taken from the Antarctic Observation Ship, Shirase
(photo by Keigo Takahashi, Department of Polar Science)

Penguins in Antarctica
(photo by Moto Kawamata, M.S.Polar Science)

National Institute of Polar Research

10-3 Midori-cho, Tachikawa,
Tokyo, 190-8518 Japan
https://www.nipr.ac.jp/english/

Career Options for Graduates in this Program

- Researchers and engineers in the field ofearth and planetary sciences and other related science and engineering fields atuniversities, national laboratories, private companies, etc.

Basic Biology

National Institute for Basic Biology

National Institutes of Natural Sciences

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

NIIMI Teruyuki

In the Basic Biology program, we challenge innovative biology by harnessing the unique traits of diverse organisms and employing cutting-edge technologies. Our goal is to foster students' distinct problem-finding and problem-solving abilities and to develop the qualities of researchers who can lead future biological research. Together, let's collaborate and embark on the exciting journey of exploring new frontiers in biology.

At the National Institutes for Basic Biology, the parent institute for the Basic Biology Program, we conduct research aimed at elucidating the common and fundamental mechanisms that underlie all living organisms, that contribute to biological diversity, and that enable organisms to adapt to their environment. The Basic Biology Program seeks to cultivate researchers capable of identifying fundamental and pressing question in the biological science through research activities and coursework.

This program offers both a five-year and a three-year doctoral program for students with a bachelor's degree and a master's degree, respectively. Students primarily conduct their academic studies and research activities at the National Institute for Basic Biology, located in Okazaki, Aichi Prefecture.

A variety of model organisms and novel model organisms under study

At the Laboratory

At the Laboratory

National Institute for Basic Biology, Myodaiji area

National Institute for Basic Biology, Yamate area

To cultivate future leaders in biology

Career Options for Graduates in this Program

- Faculty members and researchers in life science and related fields at universities and research institutes; skilled professionals in charge of research and development at companies that engage life sciences, chemical sciences, pharmaceuticals, medical sciences, and other related fields

National Institute for Basic Biology

38 Nishigonaka, Myodaiji, Okazaki, 444-8585 Japan
https://www.nibb.ac.jp/en/

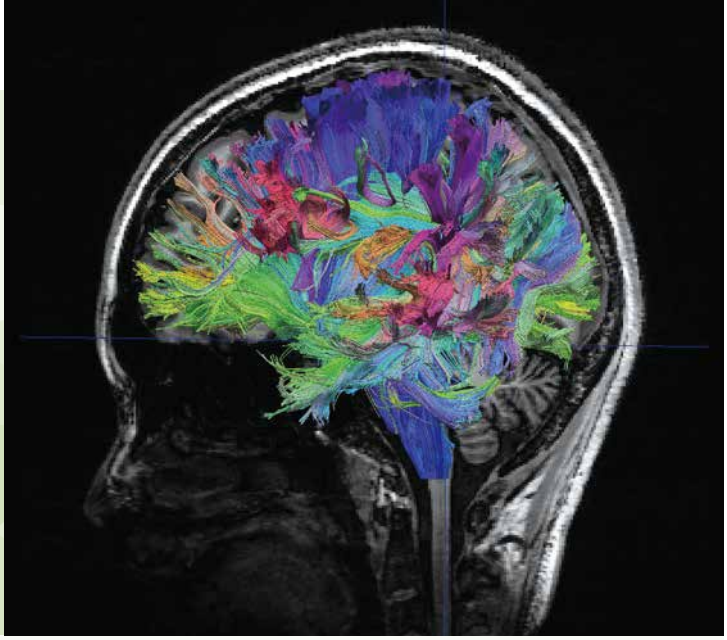
Physiological Sciences

National Institute for Physiological Sciences

National Institutes of Natural Sciences

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

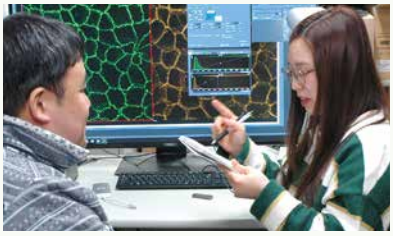


Chair

FURUSE Mikio

The Physiological Sciences Program promotes research that leads to a better understanding of how the human body works and its mechanisms, with a particular focus on the brain, nerves, and the functions of organ systems interconnected with the brain. Research on the mechanisms of our body is directly related to maintaining health and understanding pathological conditions. Students who are interested in the human body in life science are invited to join us in the Physiological Sciences Program, which offers an excellent research environment.

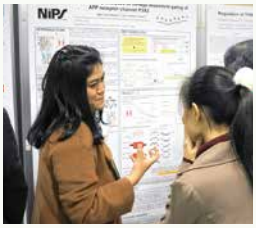
Physiological science is a field of study that elucidates the functions and mechanisms of the body. It not only contributes to the development of life science but also provides scientific guidelines for people to lead healthy and fulfilling lives and information that is fundamental to understanding the mechanisms of disease. The Physiological Science Program aims to contribute to the accumulation of new knowledge in the life sciences by working to elucidate issues in the field of physiological science related to the role of the brain and nervous system and biological homeostasis, and to produce researchers and specialists with the foresight to pioneer this field.
This program is offered as a five-year doctoral program accepting bachelor's degree holders or a three-year doctoral program accepting master's degree holders. Students in this program will conduct their studies and research activities at the National Institute for Physiological Sciences (NIPS) in Okazaki, Aichi Prefecture.



Careful research guidance in small groups

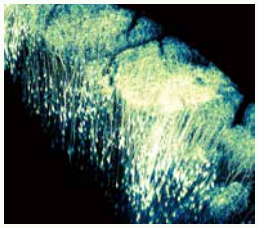
A scene from the degree conferment ceremony

Research environment with access to advanced equipment



Presentation and discussion of research findings at an international meeting

Magnetic resonance imaging of human brain



Three-dimensional imaging of living neurons in the brain

National Institute for Physiological Sciences

38 Nishigonaka, Myodaiji, Okazaki,
444-8585 Japan
https://www.nips.ac.jp/eng/

Career Options for Graduates in this Program

- Academic research institutions, life science-related companies, etc.

Genetics

National Institute of Genetics

Research Organization of Information and Systems

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

Chair

SAITO Kuniaki

Graduate students in the Genetics Program participate as active research members in the enriched environment of the National Institute of Genetics (NIG). NIG has more faculty than students, allowing students to select Progress Committee members from various labs and seek research advice from them at any time. The Progress Committee system helps students broaden the scope of their research through guidance from faculty with diverse areas of expertise. Alumni trained as researchers at NIG go on to serve society in diverse fields in both academic and non-academic roles.

The Genetics Program fosters researchers who have deep insight and knowledge of the field of life sciences and can foresee future research.
This program consists of two programs: a five-year doctoral program and a three-year doctoral program. Students in this program will conduct their research activities primarily at the National Institute of Genetics in Mishima, Shizuoka Prefecture.

Access to research facilities with advanced technology

Develop ability to think and debate logically through practical discussion

Students may choose how deeply to immerse themselves in research

At poster presentations students can discuss their research progress with numerous faculty and researchers from the institute

Frequent seminars by researchers from around the world in a wide variety of related fields

Career Options for Graduates in this Program

- Researchers at universities / research institutes / private companies both in Japan and abroad, engineers in information technology / intellectual property management, and publishers

National Institute of Genetics

1111 Yata, Mishima, Shizuoka,
411-8540 Japan
https://www.nig.ac.jp/nig/

Integrative Evolutionary Science

Research Center for Integrative Evolutionary Science

Program Outline

Five-year doctoral program /
Three-year doctoral program
Doctor of philosophy

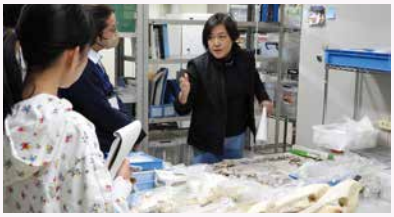
Chair

KUTSUKAKE Nobuyuki

What is the driving force of our research? Because we want to know more. Because we are interested in. Because we have curiosity. Because we want to solve an unsolved problem. Because we want to make a great discovery. The driving force must be different among researchers but we all share the same feeling—we like research. The Integrated Evolutionary Science Program is for students who have such feelings. We look forward to studying with students who like evolution and science & society.

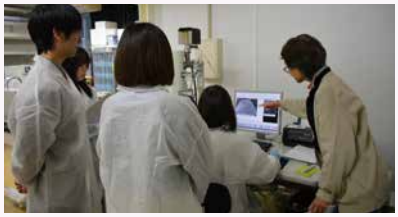
Integrative Evolutionary Science is a new academic field that aims not only for the development of biology but also for elucidating the nature of human beings and solving social issues, through a comprehensive understanding of the change of living organisms, transition of human activities, and progression of global issues from an evolutionary perspective. The Integrative Evolutionary Science Program, in collaboration with the Research Center for Integrative Evolutionary Science, aims to pursue and share truths with society, produce future leaders in this field, and to contribute broadly to the development of science and society. Students in this program will conduct their studies and research activities at the Research Center for Integrative Evolutionary Science, located in Hayama, Kanagawa Prefecture.

This program consists of two programs: a five-year doctoral program for students with a bachelor's degree and a three-year doctoral program for students with a master's degree.



Practical training with actual archaeological remains

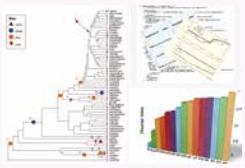
Cultivation of birds'-eye view of life-history by lectures such as history of science and science philosophy



Hands-on training and research using advanced facilities (electron/optical microscopes, molecular biology equipments)

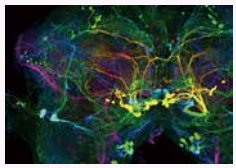
Fieldwork involving archaeo-logical artifacts and evolutionary process investigations

Students presenting cutting-edge research progress (Progress Reports)



Theoretical, mathematical and big-data approaches can be learned

Academic interactinos with base institutions and other universities



Evolutionary studies on modifying signaling networks during development

Research Center for Integrative Evolutionary Science

Shonan Village, Hayama, Kanagawa, 240-0193 Japan
https://rcies.soken.ac.jp/

Career Options for Graduates in this Program

- Researchers in the field of life sciences (evolutionary biology, molecular biology, genetics, ecology, medicine, etc.) or in the field of science and society (history of science, philosophy of science, science and technology studies, bioethics, etc.) at universities, research institutes, private companies, NGOs, and government agencies; science communicators

Education & Research Grant

Taking courses in other programs

SOKENDAI has classified its courses offered into four levels, each representing the level of expertise and difficulty of the course content, to indicate whether the content is suitable for students in related fields or adjacent areas of specialization. Students are encouraged to use this level indicator to determine whether they can/should take a course necessary for their own research, not only in their own program but also in courses offered by other programs.

Internal Joint Advising Program

The internal joint advising program is where two faculty members from different research institutions provide joint research guidance in response to the needs of students who wish to work on complex and interdisciplinary research projects across the different research institutions.

SOKENDAI Student Dispatch Program

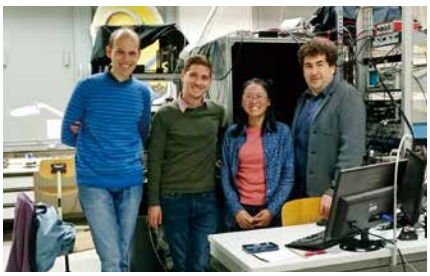
This program encourages SOKENDAI students to seek a short-term research opportunity abroad and/or a long-term collaborative research project in and outside Japan that may lead to their career in the future. The program follows the educational goals of SOKENDAI, “advanced specialties and expertise”, “broad perspective”, and “international competitiveness”, and intends to financially support such research opportunities of SOKENDAI students.

2024

Category 1 (Short-term Abroad Program)
▶ Number of students supported : 36

Category 2 (Long-term Abroad Program)
▶ Number of students supported : 16

Category 3 (Long-term Domestic Program)
▶ Number of students supported : 1



International Collaborative Degree Program

SOKENDAI is promoting the “International Collaborative Degree Program”. This is an agreement with an overseas institution of higher education to provide joint thesis supervision to one student by faculty members from both institutions, thereby broadening the range of thesis and further increasing the international mobility of young human resources.

Research society in France

Left : Paris student residence
Right : Degree examination

Overseas higher education institutions that have concluded agreements with SOKENDAI for international collaborative degree programs

Nation	Institution
Thailand	Vidyasirimedhi Institute of Science and Technology
Georgia	Georgian Technical University
France	École Centrale de Nantes
France	Université Paris-Saclay
France	Sorbonne Université
Italy	Università di Bologna
China	Southwest Jiaotong University

SOKENDAI Special Researcher Program

The SOKENDAI Special Researcher Program is designed to develop future leaders who will contribute to science, technology and innovation in Japan by appointing SOKENDAI students as “SOKENDAI Special Researchers” and providing financial support as well as various opportunities for developing a wider scope of researches and carrier paths to them.
There are two categories of this program as follows.

Category	Outline
General Category	Students in all research areas enrolled in the equivalent of 3-year doctoral course at SOKENDAI are eligible to apply.
Special Category (BOOST)	This category is designed to develop leading scientists in the field of Artificial Intelligence (AI).

General Category is subsidized by Japan Science and Technology Agency (JST) under “SPRING: Support for Pioneering Research Initiated by the Next Generation” and Special Category (BOOST) is subsidized by JST under “BOOST: Broadening Opportunities for Outstanding young researchers and doctoral students in STrategic areas.”

次世代研究者挑戦的研究プログラム
Support for Pioneering Research Initiated by the Next Generation

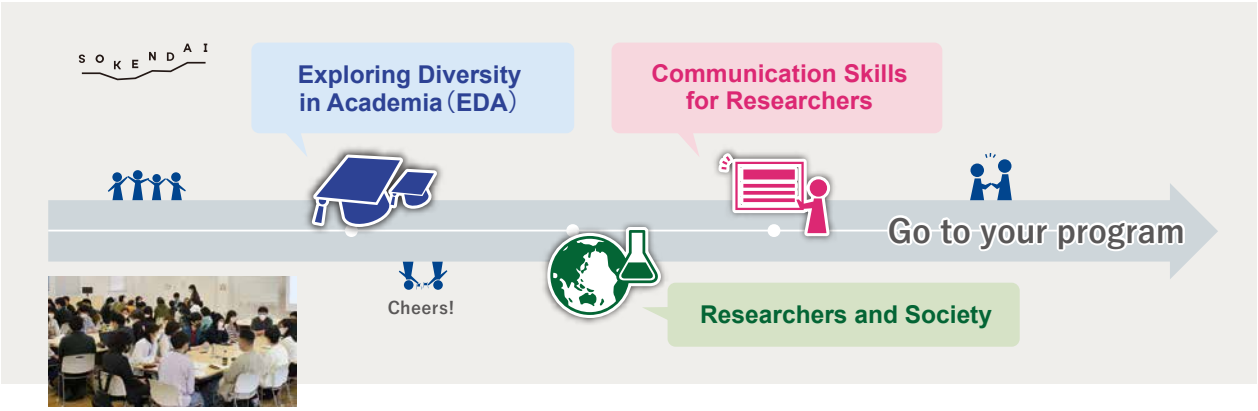
BOOST

The number of SOKENDAI Special Researcher

Year	
2021	19
2022	40
2023	56
2024	53

SOKENDAI Freshman Course

The Freshman Course is an intensive course for newly-enrolled students of SOKENDAI. It is a unique program that intends to provide our new students with fundamental knowledge and skills for a researcher; and, is also an opportunity to learn about the breadth of academia through interactions with peer students and researchers coming from different fields. The Freshman Course is held for a few days long near the Hayama campus. It consists of three sessions: “Exploring Diversity in Academia(EDA)”, “Researchers and Society” and “Communication Skills for Researchers”.



Life Science Retreat

Life Science Retreat is a scientific retreat that invites SOKENDAI students and faculties majoring in biology for academic interactions. Through these interactions, it aims to foster a broader understanding of life science and the ability to contribute to the development of the field.
English is used throughout the course to enhance participants’ international competency. The student committee is responsible for planning and coordinating the scientific content. In this course, students, especially those involved in the committee, are expected to refine their organizational skills through planning and operations while also improving their presentation skills.

In 2024, it was held over 2days at Yamanashi Prefecture. A total of about 100 students/faculty members participated and discussed their research enthusiastically.

Society and Community Outreach Activities

Community Programs

We communicate the outcomes of the University's educational and research activities and give back to the community, with the aim to promote and spread the arts and sciences, as well as promote excellent research findings.

SOKENDAI Outreach Activities

- **Outreach Lecture 2024 "Challenging the Unknown: Cutting-edge Researches Spoken by Young Researchers"**
  SAKAMOTO Minoru (Professor, Japanese History)
- **SOKENDAI outreach activities for the public at Okazaki Campus**
  KITAJO Keiichi (Professor, Physiological Sciences)
- **"Tan-Q" Science education and outreach program using compact cosmic-ray detector**
  MIHARA Satoshi (Professor, Particle and Nuclear Physics)
- **Collaboration with KOSEN via fabrication of compact accelerators by students**
  OTANI Masashi (Associate professor, Accelerator Science)
- **Project on "Muographic Investigation of Ancient Burial Mounds in Tokai"**
  KOBAYASHI Takashi (Professor, Particle and Nuclear Physics)


Challenges in the Exploration of the Unknown


SOKENDAI outreach activities for the public at Okazaki Campus


Collaboration with KOSEN via fabrication of compact accelerators by students


Project on "Muographic Investigation of Ancient Burial Mounds in Tokai

Shonan Kokusai-mura Academia Lecture Cafe Integral × Academic Lectures hosted Research Center for Integrative Evolutionary Science, SOKENDAI

- **How Did Mammalian Noses Evolve?: The Evolutionary Morphology of Vertebrate Faces**
  HIGASHIYAMA Hiroki (Research Fellow, Integrative Evolutionary Science)
- **In search of the "forest wise": Research on wild Bornean orangutans**
  TSUTAYA Takumi (Assist. Professor, Integrative Evolutionary Science)


HIGASHIYAMA Hiroki (Research Fellow, Integrative Evolutionary Science)


TSUTAYA Takumi (Assist. Professor, Integrative Evolutionary Science)

"Yokoko Academia" with Kanagawa Prefectural Yokosuka High School

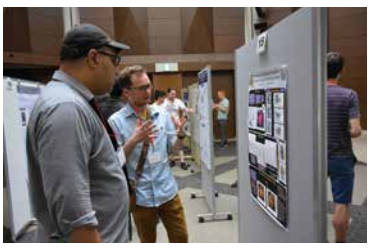
We supported the academic program, "Yokoko Academia" organized by Kanagawa Prefectural Yokosuka High School to contribute to local educational institutes and foster future generations. The school is designated as a Super Science High School by the Ministry of Education, Culture, Sports, Science and Technology.

JSPS Summer Program

This program, which is carried out in partnership with Japan Society for the Promotion of Science (JSPS), offers opportunities to practice research at inter-university research institutes (IURIs) or universities to young researchers who have undertaken or just completed doctoral programs for two months during the summer.

In FY2024, 95 fellows participated in this program

USA	15
Canada	17
UK	15
France	17
Germany	19
Sweden	12
	(95 fellows)


Orientation program in June, 2024


Research report presentation in August,2024

Press Release https://www.soken.ac.jp/en/news/?key=press

Research finding in 2024 published on the following papers are press released and subsequently appeared in newspapers and various media:

2024.04.12
Experimental and Theoretical Study for Core Excitation of Firefly Luciferin in Carbon K-Edge Spectra

2024.04.17
Dual-Beamline Photoelectron Momentum Microscopy Upgrade Revolutionizes Valence Orbital Analysis

2024.05.15
Palaeoproteomic investigation of an ancient human skeleton with abnormal deposition of dental calculus

2024.05.15
Interactive parallel sex pheromone circuits that promote and suppress courtship behaviors in the cockroach

2024.05.17
Exploration of polymer cononsolvency mechanism through soft X-ray absorption spectroscopy

2024.06.04
Soft X-ray absorption spectroscopy analysis of isolated water molecules within aqueous acetonitrile solutions

2024.06.05
Gold nanoparticles that selectively emit left-/right-handed light

2024.06.14
Progress of “Plasma and Fusion Cloud” Research Data Ecosystem Orienting “Open Science”

2024.06.17
Reduction of esters by a novel photocatalyst

2024.06.17
Severe Bottleneck Impacted the Genomic Structure of Egg-Eating Cichlids in Lake Victoria

2024.06.21
COVIVIS (COVID-19 Virus and Infection surveillance tools)

2024.07.08
Cosmic Leap: NASA Swift Satellite and AI Unravel the Distance of the Farthest Gamma-Ray Bursts

2024.07.19
Positive and Negative Impacts of Interfacial Hydrogen Bonds on Photocatalytic Hydrogen Evolution

2024.08.29
Operando Identification of Reactive Electron Species Driving Photocatalytic Hydrogen Evolution on Metal-Loaded Oxides
–Unveiling Actual Role of Metal Cocatalysts–

2024.09.02
Spatial variation in the specific surface area of surface snow measured along the traverse route from the coast to Dome Fuji, Antarctica, during austral summer

2024.09.02
Quantum entanglement between electronic and motional states in cold-atom quantum simulator

2024.09.06
Experimental visualization of F-ion diffusion pathways and geometric frustration-induced disorder in CaF2–BaF2 solid electrolytes

2024.09.13
B chromosome and its non-Mendelian inheritance in Atractylodes lancea

2024.09.13
Urbanisation has impacted the population genetic structure of the Eurasian red squirrel in Japan within a short period of 30 years

2024.09.17
Electronic and coordination structures of metal porphyrin complexes in aqueous solutions probed by soft X-ray absorption spectroscopy

2024.09.27
On the factors controlling the relationship between type of pulsating aurora and energy of pulsating auroral electrons:
Simultaneous observations by Arase satellite, ground-based all-sky imagers and EISCAT radar

2024.11.11
Dietary partitioning in sympatric Paradoxurinae civets in Borneo suggested by compound-specific nitrogen isotope analysis of amino acids

2024.11.20
Rotary mechanism of the prokaryotic Vo motor driven by proton motive force.

2024.11.25
V-161: A Breakthrough in the Fight against Antibiotic-Resistant VRE Infections

2024.12.13
ALMA Reveals the Birthplace of a Planetary System:
dust accumulation to form a new planet outside just-formed planets

2024.12.20
Heterogeneity in Host Populations Drives the Evolution of More Virulent Pathogens

2024.12.24
Steering perovskite precursor solutions for multijunction photovoltaics

2025.01.22
Can DNA-nanoparticle motors get up to speed with motor proteins?

2025.02.25
Dual origin in the temperature dependence of the coupling parameter for the strange metal state in heavily overdoped cuprate superconductor

2025.02.25
Friendly but Stressed: A Novel Finding on Social Stress in Wild Japanese Macaques

2025.03.03
Developmental Atlas of Murine Face :
Deciphering the Evolutionary Transition from Reptilian Jaw to Mammalian Nose

2025.03.12
Catching Aromaticity in the Act: Direct Real-Time Tracking of How ‘Excited-State Aromaticity’ Drives Molecular Shape Changes

2025.03.14
Investigating the hyperparameter space of deep neural network models for reaction coordinates

2025.03.26
Conditions for the establishment of creole languages from an evolutionary game theoretic perspective

2025.03.31
Replication-dependent histone labeling dissects the physical properties of euchromatin/heterochromatin in living human cells.

Research Center for Integrative Evolutionary Science

The only research center in Japan with “evolution” at its core

The Research Center for Integrative Evolutionary Science aims to develop a new research field, “integrative evolutionary science,” to investigate both organismal evolution at multiple scales and scientific activities themselves and to apply the interdisciplinary expertise to help find solutions to various challenges in society. The Center fosters highly collaborative research among domestic and international communities.

Research Activities

- Development of the body of knowledge on the basis of organismal evolution
- Application of ideas gained from organismal evolution studies to other research fields
- Development of our understanding of science, including its nature and place in society
- Application of interdisciplinary expertise to seek solutions to various challenges in society

Other Activities

- Graduate education and researcher training
- Domestic and international collaborative research
- Outreach

https://rcies.soken.ac.jp/index_en.html

Director, Research Center for Integrative Evolutionary Science

INNAN Hideki

In April 2022, the Research Center for Integrative Evolutionary Science was established on the Hayama Campus. As the only research center in Japan with “evolution” at its core, the center aims to create a new academ ic field of “Integrated Evolutionary Science” in collaboration with domestic and overseas research institutions.

The word “evolution” evokes the evolution of living organisms, but technology, culture and society also evolve. We consider evolution in such a broad sense and try to address how the system of organisms was created and changed in the 3.8 billion years-long history of life, how human activities (society, psychology, language, culture, etc.) have changed, how global problems in the Anthropocene progress, and what possible solutions can be comprehensively examined from the perspective of evolution.

The Research Center for Integrative Evolutionary Science thus aims to reconsider the concept of “evolution” and create a new research field “Integrated Evolutionary Science”, which not only advances the knowledge system of biology but also incorporates the findings of evolutionary science into human understanding and solutions to social issues.

The Center for Education Planning and Development (CEPD)

“Advanced specialties and expertise,” “Broad perspective,” and “International competitiveness” are the educational goals of SOKENDAI, and they are the essential competencies for excellent researchers. In order to achieve these goals, we believe that the university-wide education that enhances the quality as an excellent researcher is necessary, in addition to specialized education carried out in each department. The missions of the CEPD are: to implement and support the university-wide education programs and projects; and, to assist in evaluation and analysis of the educational activities. We contribute to develop researchers rooted in our philosophy.

Education Development Section

Promotion of university-wide education

- Planning and implementation of university-wide educational courses and seminars
  Implementation of the Freshman Course / Planning and implementation of CEPD seminars
- Support for the implementation of university-wide educational projects
  Support for the implementation of inter-university education / Support for the implementation of international collaborative degree programs

Improving the quality of education and research guidance

- Planning and implementation of FD training
- Counseling from teachers related to education

Support tailored to student needs

- Support for student learning, research activities, job hunting, and networking

Institutional Research and Planning Section

- Analysis of educational effects through the preparation and analysis of educational data and the implementation of student questionnaires
- Research performance analysis using literature databases and research ability analysis tools
- Planning and implementation of SD training

Human Resources Development Section

- Cultivate “data scientist-type (DS-type) researcher human resources” who can promote data-driven research

The Center for Academic Information Services

This Center was established to aim at effective management of academic information in SOKENDAI. Based on secure and resilient information infrastructure, it provides various academic information services to researchers and researchers-in-future who are both users and creators of academic information, and supports education, research and administration in SOKENDAI.

Division of Information Services and Technology

Cooperating with the affiliated research institutes and museums,
this division manages core information facilities and operates information systems located at the Hayama Campus.

[For inquiries or information]
Academic Information Service Office
TEL : 81-46-858-1587, 1588
FAX : 81-46-858-1607
E-mail : istc.jimu@ml.soken.ac.jp

Hayama Library

Hayama Library gathers, organizes and releases various academic materials to provide high-level research and education and to pioneer advanced academic fields.
Hayama Library is open around-the-clock to the faculty and students at the Hayama Campus for reading and borrowing.
It collects and makes available standard references and books that can be used in all program, as well as specialized books and journals related to studies in cutting-edge and/or interdisciplinary research fields. Image and video documentation materials are available through in-house facilities.
In addition, Hayama Library offers SOKENDAI Institutional Repository, which allows free online access to doctoral dissertations and book/ journal publications at the University, as well as academic papers published by the faculty and students at the Hayama Campus.
The Library also provides database services, including OPAC (Online Public Access Catalog) for books and journals held by the Library.
These books and databases are also available to the general public. The venue effectively functions both as a place to collect research resources and a studying space. SOKENDAI staff and neighborhood residents can borrow books belonging to Kanagawa Prefectural Library (KL-NET Service). Furthermore, since 2015, it has been serving as a service counter of the National Diet Library to enable users to browse digital materials belonging to the National Diet Library.

Number of academic materials available at the Library

As of April 1, 2025

Book : (*Japanese*) approx.22,600 titles
(*Non-Japanese*) approx.24,500 titles
Journal : (*Japanese*) approx.140 titles
(*Non-Japanese*) approx.330 titles
E-book : approx.161,700 titles
E-journal : approx.5,050 titles
Institutional Repository : approx.5,640 titles

University Library

The University Library consists of the Hayama Library and IURI libraries. The University Library gathers, organizes, and accumulates electronic materials. Under close cooperation with the Hayama Library and IURI libraries, the University Library aims to promote the education / research activities by performing required activities for the fasilitation of the use of academic information. It offers a large number of e-journals and e-books so that faculty and graduate students of IURIs dotted around the country can use these materials in common.
In addition, the university introduces and offers the world's largest bibliographic / citation database.

Electronic Journals

https://www.lib.soken.ac.jp

BioOne / JSTOR / Science Direct / Springer-LINK /
Wiley-Blackwell / GeoScienceWorld /
Scopus (Document/reference database search service)

※ In addition to the above, electronic journals for internal use at the Hayama Campus are available.

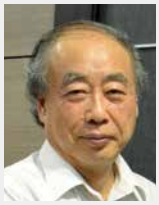
[For inquiries or information]
University Library
TEL : 81-46-858-1528, 1540
FAX : 81-46-858-1607
E-mail : lib@ml.soken.ac.jp

DATA BOOK

Nobel Prize Laureates from SOKENDAI

Nobel Prize in Physics

Professor Emeritus, School of High Energy Accelerator Science



The 2008

for the discovery of the origin of the broken symmetry which predicts the existence of at least three families of quarks in nature

KOBAYASHI Makoto

Professor Emeritus, SOKENDAI / Honorary Professor Emeritus, High Energy Accelerator Research Organization(KEK)

1999.4-2004.3 Professor, School of Mathematical and Physical Science
2004.4-2006.3 Professor, School of High Energy Accelerator Science
2003.4-2004.4 Chair, Department of Particle and Nuclear Physics
2008 Order of Culture

Nobel Prize in Physiology or Medicine

Professor Emeritus, School of Life Science

The 2016

for his discoveries of mechanisms for autophagy

OHSUMI Yoshinori

Professor Emeritus, SOKENDAI / National Institute for Basic Biology

1996.10-2009.3 Professor, School of Life Science
2008. 4-2009.3 Dean, School of Life Science
2006 Japan Academy Prize
2016 Order of Culture

[Recipients of Award]

■ Orders and Medals of Honor (after 2015)

Recipients since 2015; job title and affiliation at time of award

Name	Affiliation	Prize
TAKII Kazuhiro (Professor)	Japanese Studies	Medal with Purple Ribbon (2024)
OIKAWA Akifumi (Professor Emeritus)	Dept. of Evolutionary Studies of Biosystems	The Order of the Sacred Treasure, Gold Rays with Neck Ribbon (2024)
NEGISHI Masamitsu (Professor Emeritus)	Dept. of Informatics	The Order of the Sacred Treasure, Gold Rays with Neck Ribbon (2024)
WATANABE Yasuaki (Professor)	Japanese Literature	Medal with Purple Ribbon (2023)
YAMADA Sakue (Professor Emeritus)	Dept. of Particle and Nuclear Physics	The Order of the Sacred Treasure, Gold Rays with Neck Ribbon (2022)
IYE Masanori (Professor Emeritus)	Dept. of Astronomical Science	The Order of the Sacred Treasure, Gold and Silver Star (2022)
ARIKAWA Kentaro (Professor)	Research Center for Integrative Evolutionary Science	Medal with Purple Ribbon (2022)
HASEBE Mitsuyasu (Professor)	Dept. of Basic Biology	Medal with Purple Ribbon (2022)
OHMORI Kenji (Professor)	Dept. of Functional Molecular Science	Medal with Purple Ribbon (2021)
KOMATSU Kazuhiko (Processors Emeritus)	Dept. of Japanese Studies	The Order of the Sacred Treasure, Gold and Silver Star (2020)
NAGAMINE Kanetada (Processors Emeritus)	Dept. of Particle and Nuclear Physics	The Order of the Sacred Treasure, Gold Rays with Neck Ribbon (2020)
KODAIRA Keiichi (Professor Emeritus, Former President)	Dept. of Astronomical Science	The Order of the Sacred Treasure, Gold and Silver Star (2017)
KAWAI Maki (Professor)	Dept. of Functional Molecular Science	Medal with Purple Ribbon (2017)
OHSUMI Yoshinori (Professor Emeritus)	Dept. of Basic Biology	Order of Culture (2016)
OHTA Tomoko (Professor Emeritus)	Dept. of Genetics	Order of Culture (2016)
SUEMATSU Yasuharu (Professor Emeritus)	Dept. of Informatics	Order of Culture (2015)

■ Person of Cultural Merit

Name	Affiliation	Research Theme
AGATA Kiyokazau (Director General)	Basic Biology	Developmental biology (2023)
ISHIGE Naomichi (Professor Emeritus)	Dept. of Comparative Studies	Cultural anthropology (2021)
KAWAI Maki (Director General)	Dept. of Functional Molecular Science	Surface science (2021)
SUZUKI Atsuto (Professor Emeritus)	Dept. of Particle and Nuclear Physics	Particle physics (2021)
HOTTA Yoshiki (Professor Emeritus)	Dept. of Genetics	Genetics(2020)
INOKI Takenori (Professor Emeritus)	Dept. of Japanese Studies	Economy (2019)
KOMATSU Kazuhiko (Professor)	Dept. of Japanese Studies	Ethnology (2016)
OHSUMI Yoshinori (Professor Emeritus)	Dept. of Basic Biology	Cell Biology (2015)

■ Japan Academy Prize

Name	Affiliation	Year	Subject
MIYAZAKI Satoshi (Professor)	Astronomical Science	2024	Pioneering and Promoting Cosmological Research Using Gravitational Lensing Effects
KAWAI Maki (Professor)	Dept. of Functional Molecular Science	2020	Single Molecule Spectroscopy Elucidating Chemical Reactions at Solid Surfaces
KITSUREGAWA Masaru (Professor)	Dept. of Informatics	2020	Pioneering Research in the Theory and Application of Large-Scale High-performance Database Systems
TSUNETA Saku (Professor)	Dept. of Astronomical Science	2019	Studies of Solar Magnetohydrodynamic Phenomena through Satellite Observations
NAGAMINE Kanetada (Professor Emeritus)	Dept. of Materials Structure Science	2019	Exploration of Muon Radiography and its Application to Nondestructive Studies of Large-scale Matters
TAKASAKI Fumihiko (Professor Emeritus)	Dept. of Particle and Nuclear Physics	2017	Studies of CP Violation in the B-Meson System

■ Japan Academy Medal Prize

Name	Affiliation	Year	Subject
KOIBUCHI Michihiro (Associate Professor)	Dept. of Informatics	2020	Pioneering Research on Introducing Randomness for Interconnection Networks on Parallel Computer Systems
ISHIZAKI Akihito (Professor)	Dept. of Structural Molecular Science	2019	Theoretical Development of Quantum Dissipative Dynamics and Its Application to Primary Processes of Photosynthesis

■ JSPS Prize

Name	Affiliation	Year	Research Theme
MURAYAMA Yasuto (Associate Professor)	Genetics	2024	Biochemical Study of the Molecular Basis Ensuring Faithful Chromosome Segregation
OHTSUKI Hisashi (Associate Professor)	Integrative Evolutionary Science	2023	Theoretical Study on Evolutionary Origin of Human Sociality

■ JSPS Ikushi Prize

Name	Affiliation	Year	Research Theme
SAKAMOTO Takahiro	Dept. of Evolutionary Studies of Biosystems	2022	Theoretical population genetics of natural selection
KARIYAZONO Shiho	Dept. of Evolutionary Studies of Biosystems	2017	The genetic basis and the biological role of fluorescent proteins in Acropora species
KITAMURA Daichi	Dept. of Informatics	2016	Multichannel blind music source separation based on nonnegative matrix factor source model

SOKENDAI Award

SOKENDAI Award is founded in Academic Year 2018 to commend the students who have accomplished their outstanding research and have been conferred their degrees with the excellent doctoral thesis in accordance with the principles and objectives of our university.

■ The recipients of the 13th SOKENDAI Award (September 27, 2024)

Name	Affiliation	Doctoral thesis
YAMATO Asuka	Dept. of Japanese History	Study of techniques and materials used in ukiyo-e prints
DOI Kiyoaki	Dept. of Astronomical Science	Constraining Physical Properties of Protoplanetary Disks from Spatial Distributions of Dust Millimeter Continuum Observations
SAKURAI Jun	Dept. of Basic Biology	The changes in the intrauterine environment associated with implantation

■ The recipients of the 14th SOKENDAI Award (March 24, 2025)

Name	Affiliation	Doctoral thesis
KANO Ryuichi	Dept. of Infomatics	Understanding Tree Ensembles Through Deep Learning Theory
NAKAGAWA Soya	Dept. of Basic Biology	Analysis of the mechanisms regulating petal development and establishment of a repetitive sequence analysis method in Japanese morning glory
IIDA Shiori	Dept. of Genetics	How nuclear environment influences chromatin motion and organization

Dean's Award

Dean's Award is founded in Academic Year 2018 to commend the students who have accomplished their outstanding research in the Graduate School, and have been conferred their degrees with the excellent doctoral thesis.

■ The recipients of 2024 Autumn Dean's Award (September 27, 2024)

Name	Affiliation	Doctoral thesis
JASEELA PALASSERY ITHIKKAL	Dept. of Structural Molecular Science	Material design for lateral organic solar cells by studying semiconductor electronic properties
ANGELO PEREZ RILLERA	Dept. of Materials Structure Science	Insights on the processing, characterization, and coloration of celadon glazes from spectroscopic and imaging investigations
NIU YUANYUAN	Dept. of Statistical Science	Objective Bayesian Inversion and Applications in Spatial/Spatiotemporal Data Analysis
INOUE Ryo	Dept. of Polar Science	Spatial and temporal variations in density, microstructure, and chemical properties of near-surface firn in Dronning Maud Land, East Antarctica
BISWA BHIM BAHADUR	Dept. of Genetics	Role of gut bacteria in domestication of mice

■ The recipients of 2025 Spring Dean's Award (March 27, 2025)

Name	Affiliation	Doctoral thesis
SHIGAWA Mako	Dept. of Comparative Studies	Ethnomusicological Study on the Revival of Katsura Rokusai Nenbutsu
TIRUMALASETTY PANDURANGA MAHESH	Dept. of Functional Molecular Science	Ultrafast excitation of atoms to a Rydberg orbit using picosecond pulsed lasers
YATOMI Go	Dept. of Fusion Science	Energy transfer and information entropy in multi-field turbulence and zonal flow
TOYOKAWA Kosei	Dept. of Space and Astronautical Science	Evolution of the Lunar Water Environment from Genesis to Present, Observed through Near-Infrared Spectroscopy
OIKAWA Takumi	Dept. of Particle and Nuclear Physics	Construction of Narain Conformal Field Theories from Error-Correcting Codes and Lattices over Integers of Number Fields

[Academic Staff]

(As of May 1, 2025)

Category	Member of the Board	Professor	Associate Professor	Lecturer	Assistant Professor	Others	Secretariat	Total
President	1							1
Executive Director	2							2
Auditor	2							2
Vice President	(2)							(2)
Graduate Institute for Advanced Studies								
Anthropological Studies		22	17					39
Japanese Studies		14	4					18
Japanese History		16	14					30
Japanese Literature		11	6					17
Japanese Language Sciences		10	8					18
Informatics		30	17		14			61
Statistical Science		21	20		4			45
Particle and Nuclear		30	37	16	18			101
Accelerator Science		48	43	20	50			161
Astronomical Science		28	36	6	43			113
Fusion Science		20	24		17			61
Space and Astronautical Science		22	37		15			74
Molecular Science		16	11		20			47
Materials Structure Science		25	16	3	21			65
Global Environmental Studies		12	7					19
Polar Science		15	13		18			46
Basic Biology		14	17		26			57
Physiological Sciences		16	10		20			46
Genetics		22	11		17			50
Integrative Evolutionary Science		(6)	(7)	(3)	(3)			(19)
Research Center for Integrative Evolutionary Science		6	7	3	3			19
The Center for Education Planning and Development	(1)		2			1		3 (1)
The Center for Academic Information Services	(1)						(1)	(2)
Secretariat etc.							40	40
Total	5 (4)	398 (6)	357 (7)	48 (3)	286 (3)	1	40 (1)	1135 (24)

※ The number of staff in parentheses indicates those who concurrently work in other section [not included in the total].

Faculty Directory

A faculty directory is available on our website.

Faculty Directory

https://www.soken.ac.jp/en/faculty-directory/index.html

[Students]

(As of May 1, 2025)

	1st year			2nd Year			3rd Year (1st Year**)			4th Year (2nd Year**)			5th Year (3rd Year**)			Total		
		Females	Int'l Students		Females	Int'l Students		Females	Int'l Students		Females	Int'l Students		Females	Int'l Students		Females	Int'l Students
Graduate Institute for Advanced Studies	87	27	22	74	23	13	105	30	25	53	19	13	34	12	6	353	111	79
Anthropological Studies							3	3	1	2	1		4	2		9	6	1
Japanese Studies							1			1	1		3	3	2	5	4	2
Japanese History							3	2	1	1			1	1		5	3	1
Japanese Literature							1	1		1		1	2	1		4	2	1
Japanese Language Sciences							8	1	3	4	3	1	4	2	3	16	6	7
Informatics	16	5	8	7	1	2	21		5	3	2	1	5		1	52	8	17
Statistical Science	3						4		2	6			6	1		19	1	2
Particle and Nuclear Physics	5	2	2	7	1	1	10	4	2	3		3				25	7	8
Accelerator Science	5	1	2	2		2	2	1					1			10	2	4
Astronomical Science	7	1	1	6	2		8	2	2	3	1	2	1			25	6	5
Fusion Science	3		2	2	1		3			1		1				9	1	3
Space and Astronautical Science	5			6			5	1		6		1	1			23	1	1
Molecular Science	8	1		6		1	8	1	4	3	1	1	2	1		27	4	6
Materials Structure Science				1												1	0	0
Global Environmental Studies							1	1	1	6	4					7	5	1
Polar Science	6	2		4	4		4	3	1	3	1		1			18	10	1
Basic Biology	7	4	1	13	5	2	9	2		4	2	1	2	1		35	14	4
Physiological Sciences	8	7	2	7	4	2	1			1	1	1				17	12	5
Genetics	10	3	4	7	3	2	8	4	3	3	1					28	11	9
Integrative Evolutionary Science	4	1		6	2	1	5	4		2	1		1			18	8	1
School of Cultural and Social Studies*	0	0	0	0	0	0	0	0	0	0	0	0	30	16	9	30	16	9
Regional Studies													7	3	3	7	3	3
Comparative Studies													6	4	1	6	4	1
Japanese Studies													7	5	5	7	5	5
Japanese History													7	3		7	3	0
Japanese Literature													3	1		3	1	0
School of Physical Sciences*	0	0	0	0	0	0	0	0	0	17	3	1	20	1	6	37	4	7
Structural Molecular Science										2	1					2	1	0
Functional Molecular Science										3						3	0	0
Astronomical Science										5	1		10	1	3	15	2	3
Fusion Science										3		1	6		3	9	0	4
Space and Astronautical Science										4	1		4			8	1	0
School of High Energy Accelerator Science*	0	0	0	0	0	0	3	0	3	9	3	5	21	4	5	33	7	13
Accelerator Science							1		1	3	2	2	3	2	1	7	4	4
Materials Structure Science										1	1	1	1			2	1	1
Particle and Nuclear Physics							2		2	5		2	17	2	4	24	2	8
School of Multidisciplinary Sciences*	0	0	0	0	0	0	5	1	4	10	0	2	43	5	13	58	6	19
Statistical Science													15	1		15	1	0
Polar Science										3			2			5	0	0
Informatics							5	1	4	7		2	26	4	13	38	5	19
School of Life Science*	0	0	0	0	0	0	4	3	3	14	6	7	21	8	10	39	17	20
Genetics							2	1	2	10	4	6	10	4	8	22	9	16
Basic Biology							1	1		1			6	2	2	8	3	2
Physiological Sciences							1	1	1	3	2	1	5	2		9	5	2
School of Advanced Sciences*	0	0	0	0	0	0	0	0	0	2	2	0	8	5	0	10	7	0
Evolutionary Studies of Biosystems										2	2		8	5		10	7	0
Total	87	27	22	74	23	13	117	34	35	105	33	28	177	51	49	560	168	147

※ The number of female students and international students is included in the total.
* These schools stopped accepting applications on March 31, 2023.
** The year of a 3-year doctoral program

[Applicants and Enrollments]

(As of April 1, 2025)

Program	Quota (Number of students to be accepted)		Applicant		Passer		Admitted Students		Background							
									Gender				International Students		Jobholder	
									Male		Female					
	5-year	3-year	5-year	3-year	5-year	3-year	5-year	3-year	5-year	3-year	5-year	3-year	5-year	3-year	5-year	3-year
Graduate Institute for Advanced Studies	58	62	159	78	95	51	71	47	52	35	19	12	11	12	4	9
Anthropological Studies		(4)		10		4		3		0		3		1		1
Japanese Studies		(3)		4		1		1		1		0		0		0
Japanese History		(3)		7		3		3		1		2		1		2
Japanese Literature		(2)		6		1		1		0		1		0		0
Japanese Language Sciences		(3)		11		8		8		7		1		4		1
Informatics	(8)	(12)	20	8	14	7	13	6	9	6	4	0	7	1	0	2
Statistical Science	(2)	(6)	5	3	4	2	3	2	3	2	0	0	0	1	1	1
Particle and Nuclear Physics	(6)	(1)	26	0	13	0	3	0	3	0	0	0	0	0	0	0
Accelerator Science	(2)	(1)	6	2	4	2	3	1	2	1	1	0	0	0	0	0
Astronomical Science	(5)	(1)	22	3	7	3	6	3	5	2	1	1	0	1	0	0
Fusion Science	(3)	(2)	5	1	4	1	3	1	3	1	0	0	2	0	0	0
Space and Astronautical Science	(4)	(3)	20	4	8	2	5	2	5	2	0	0	0	0	0	2
Molecular Science	(7)	(5)	13	3	10	3	8	3	7	3	1	0	0	1	0	0
Materials Structure Science	(2)	(1)	1	1	0	1	0	0	0	0	0	0	0	0	0	0
Global Environmental Studies		(2)		2		1		1		0		1		1		0
Polar Science	(2)	(1)	6	2	6	2	6	2	4	1	2	1	0	0	0	0
Basic Biology	(5)	(3)	10	7	8	7	6	7	3	6	3	1	0	0	0	0
Physiological Sciences	(3)	(6)	8	0	6	0	6	0	1	0	5	0	0	0	1	0
Genetics	(6)	(2)	8	2	6	2	6	2	5	2	1	0	2	1	0	0
Integrative Evolutionary Science	(3)	(1)	9	2	5	1	3	1	2	0	1	1	0	0	2	0

Admission of the 2025

Japanese National Universities

Hokkaido University	1
Tohoku University	8
Fukushima University	1
University of Tsukuba	1
Saitama University	2
Chiba University	1
The University of Tokyo	7
Tokyo University of Foreign Studies	1
Tokyo University of Agriculture and Technology	1
Institute of Science Tokyo	3
The University of Electro-Communications	1
Hitotsubashi University	1
Yokohama National University	1
University of Toyama	2
Shinshu University	1
Shizuoka University	3
Nagoya University	7
Aichi University of Education	1
Nagoya Institute of Technology	1
Toyohashi University of Technology	1
Kyoto University	4
Kyoto Institute of Technology	1
The University of Osaka	2
Kobe University	2
Nara University of Education	1
Tottori University	3
Shimane University	1
Kyushu University	2
Yamaguchi University	2
Tokushima University	1
Kochi University	1
Kyushu University	4
Kyushu Institute of Technology	1

Japanese Public Universities

Fukuoka Women's University	1
Kochi University of Technology	1
Onomichi City University	1
The University of Kitakyushu	1
The University of Shiga Prefecture	1

Japanese Private Universities

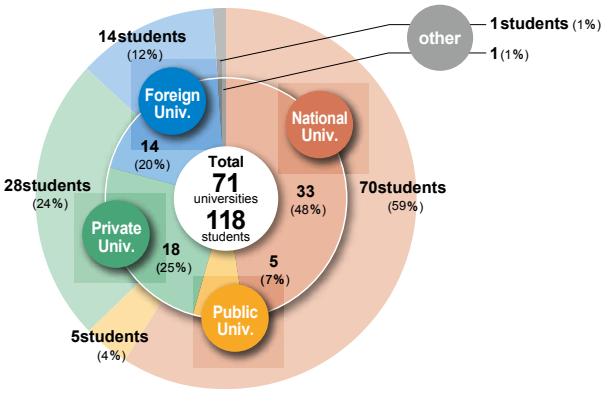
Azabu University	1
Chuo University	1
Doshisha University	1
Hosei University	2
Kanagawa University	1
Kindai University	2
Kitasato University	1
Kyoto Sangyo University	1
Meiji University	1
Meijo University	2
Nihon University	4
Rikkyo University	1
Ritsumeikan University	3
Sophia University	1
Tokyo University of Agriculture	1
Tokyo University of Science	3
Tsuda University	1
Waseda University	1

Foreign Universities

State University of Campinas	1
Hubei University of Chinese Medicine	1
Ocean University of China	1
Shandong Normal University	1
Soochow University	1
Aarhus University	1
PSL University	1
Ilmenau University of Technology	1
Technical University of Munich	1
Chung-Ang University	1
Hankuk University of Foreign Studies	1
The National Autonomous University of Mexico	1
National Tsing Hua University	1
Vietnam Japan University	1

Others

National Institute of Technology, Kurume College	1



[Degrees Awarded]

	For the period of 1991～2019	2020	2021	2022	2023	2024	Total
Doctor of Philosophy	2169 [159] (262)	87 [9] (7)	82 [4] (3)	97 [12] (5)	80 [8] (10)	72 [4] (3)	2587 [196] (290)

※1 [ ] : The number of those who were granted the Ph.D. within a specified time after leaving the university.
※2 ( ) : The number of those who were granted the Ph.D. by way of Dissertation (not included in the total).

[Career Tracking / Data of the 2024]

Universities / Research institutes,etc.

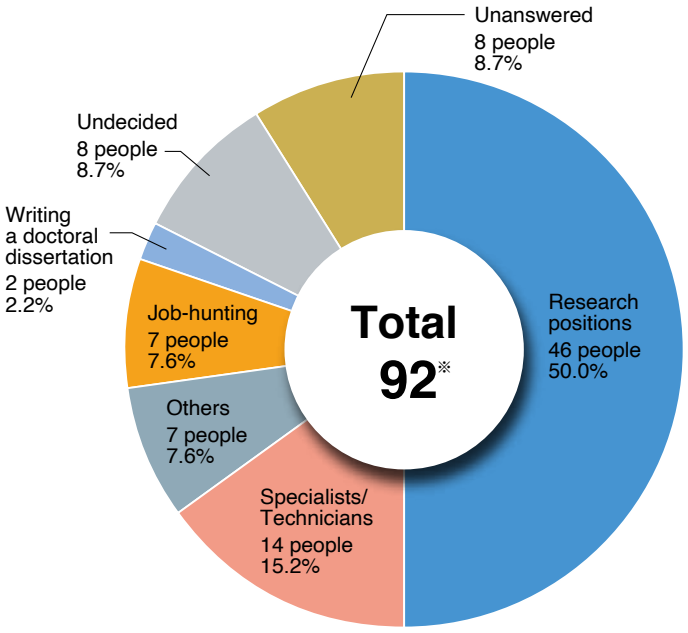
The University of Tokyo
Institute of Science Tokyo
Tohoku University
Niigata University
Kanazawa University
Nagoya University
The University of Osaka
Kyoto University
Kumamoto University
Keio University
Meisei University
Kansai University
Okinawa Institute of Science and Technology
Chongqing Technology and Business University
Vietnam Maritime University
Nazarbayev University
University of Cambridge
University of Greenwich

National Museum of Ethnology
National Institute of Informatics
The Institute of Statistical Mathematics
National Astronomical Observatory of Japan
National Institute for Fusion Science
Japan Aerospace Exploration Agency
National Institute of Polar Research
National Institute for Basic Biology
National Institute of Genetics
National Institute of Information and Communications Technology
National Institutes for Quantum Science and Technology
RIKEN
Tokyo National Research Institute for Cultural Properties
Helmholtz Zentrum Berlin
Max Planck Institute for Astronomy
Japan Society for the Promotion of Science
Agency for Cultural Affairs

Private companies / Public service corporation

Creatures Inc.
FMIC R&D
PwC Tax Japan
KPMG AZSA LLC
KONICA MINOLTA, INC.
ufotable Inc.
Lenovo Japan LLC
Systems Engineering Consultants Co.,LTD. (SEC)
DeNA Co., Ltd.
Nissui Corporation
TAKENAKA CORPORATION

Mitsubishi Electric Corporation
Mitsubishi Electric Software Corporation
SHIKOKU KASEI HOLDINGS CORPORATION
Amami MANABIYA school
Taiyo Nippon Sanso Corporation
DAIICHI SANKYO COMPANY, LIMITED
Tokyo Denkai Co., Ltd.
Nissan Motor Co., Ltd.
Samsung Japan Corporation
NEC Corporation



※ Breakdown of the total

The number of those who completed a course and obtained a degree : 68

The number of those who left the university after obtaining the credits required for completion of a course in the relevant academic year : 24

[International Exchange]

Number of International Students

(As of May 1, 2025)

	1st Year			2nd Year			3rd Year (1st Year**)			4th Year (2nd Year**)			5th Year (3rd Year**)			Total			Research Student		
		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT
Graduate Institute for Advanced Studies	22	8	10	13	4	4	25	5	3	13	4	5	6	3	0	79	24	22	8	6	2
Anthropological Studies							1	1								1	1	0	1		
Japanese Studies													2	2		2	2	0	3	3	
Japanese History							1	1								1	1	0	1	1	
Japanese Literature										1		1				1	0	1			
Japanese Language Sciences							3			1			3	1		7	1	0			
Informatics	8	2	3	2			5			1	1	1	1			17	3	4			
Statistical Science							2									2	0	0			
Particle and Nuclear Physics	2	2		1	1		2			3		1				8	3	1			
Accelerator Science	2		2	2		2										4	0	4			
Astronomical Science	1		1				2		1	2	1	1				5	1	3	1	1	1
Fusion Science	2									1		1				3	0	1			
Space and Astronautical Science										1						1	0	0			
Molecular Science				1			4	1		1						6	1	0			
Materials Structure Science																0	0	0			
Global Environmental Studies							1	1	1							1	1	1			
Polar Science							1	1								1	1	0			
Basic Biology	1	1		2	1	1				1	1					4	3	1			
Physiological Sciences	2	2	2	2	1					1	1					5	4	2			
Genetics	4	1	2	2	1	1	3		1							9	2	4	1	1	1
Integrative Evolutionary Science				1												1	0	0	1		
School of Cultural and Social Studies*	0	0	0	0	0	0	0	0	0	0	0	0	9	6	0	9	6	0	0	0	0
Regional Studies													3	1		3	1	0			
Comparative Studies													1	1		1	1	0			
Japanese Studies													5	4		5	4	0			
Japanese History																0	0	0			
Japanese Literature																0	0	0			
School of Physical Sciences*	0	0	0	0	0	0	0	0	0	1	0	0	6	0	3	7	0	3	0	0	0
Structural Molecular Science																0	0	0			
Functional Molecular Science																0	0	0			
Astronomical Science													3		2	3	0	2			
Fusion Science										1			3		1	4	0	1			
Space and Astronautical Science																0	0	0			
School of High Energy Accelerator Science*	0	0	0	0	0	0	3	0	2	5	2	4	5	1	1	13	3	7	0	0	0
Accelerator Science							1		1	2	1	2	1	1		4	2	3			
Materials Structure Science										1	1	1				1	1	1			
Particle and Nuclear Physics							2		1	2		1	4		1	8	0	3			
School of Multidisciplinary Sciences*	0	0	0	0	0	0	4	1	3	2	0	1	13	2	2	19	3	6	0	0	0
Statistical Science																0	0	0			
Polar Science																0	0	0			
Informatics							4	1	3	2		1	13	2	2	19	3	6			
School of Life Science*	0	0	0	0	0	0	3	2	1	7	3	5	10	4	4	20	9	10	0	0	0
Genetics							2	1	1	6	3	5	8	4	4	16	8	10			
Basic Biology													2			2	0	0			
Physiological Sciences							1	1		1						2	1	0			
School of Advanced Sciences*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Evolutionary Studies of Biosystems																0	0	0			
Total	22	8	10	13	4	4	35	8	9	28	9	15	49	16	10	147	45	48	8	6	2

※ The number of female students and MEXT scholarship students is included in the total.
* These schools stopped accepting applications on March 31, 2023.
** The year of a 3-year doctoral program

Number of International Students

(As of May 1, 2025)

Country or Region	1st Year			2nd Year			3rd Year (1st Year**)			4th Year (2nd Year**)			5th Year (3rd Year**)			Total			Research Student		
		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT		Females	MEXT
Asia	18	8	7	9	3	2	22	6	5	17	7	8	41	14	6	107	38	28	5	3	1
India	1	1	1	1						3	3	2	3	1	2	8	5	5			
Indonesia	2		2							2	1	1	1		1	5	1	4			
Sri Lanka							1		1				1			2	0	1			
Thailand							1		1	2		2	1		1	4	0	4			
Nepal										1		1				1	0	1			
Pakistan	2	1	2													2	1	2			
Bangladesh													1	1	1	1	1	1			
Viet Nam	1	1		3	1	2	2	1	2	2	2	2	3	1	1	11	6	7			
Malaysia																0	0	0	1	1	1
Mongolia	1	1	1										1			2	1	1			
Korea	1		1	1			1	1		2			2			7	1	1			
China	9	3		4	2		13	3	1	5	1		24	11		55	20	1	4	2	
Taiwan	1	1					4	1					4			9	2	0			
Africa	0	0	0	1	0	1	2	0	1	0	0	0	1	0	0	4	0	2	0	0	0
Algeria							2		1							2	0	1			
Egypt				1		1										1	0	1			
Ghana													1			1	0	0			
Europe	1	0	0	1	1	0	10	2	2	8	2	5	4	1	2	24	6	9	2	2	1
Albania							1									1	0	0			
Ireland							1		1							1	0	1			
Kazakhstan							1		1	2	1	2	2	1	2	5	2	5	1	1	1
Georgia										1						1	0	0			
Spain										1		1				1	0	1	1	1	
Denmark	1			1	1											2	1	0			
Germany							2	1		1		1				3	1	1			
France							4	1		3	1	1	2			9	2	1			
Portuguese							1									1	0	0			
Middle East	0	0	0	1	0	1	0	0	0	0	0	0	1	1	1	2	1	2	1	1	0
Iran																0	0	0	1	1	
Syrian													1	1	1	1	1	1			
Turkey				1		1										1	0	1			
North America / Central America	2	0	2	0	0	0	1	0	1	1	0	0	1	0	1	5	0	4	0	0	0
USA	1		1				1		1				1		1	3	0	3			
Canada										1						1	0	0			
Mexico	1		1													1	0	1			
South America	1	0	1	1	0	0	0	0	0	2	0	2	1	0	0	5	0	3	0	0	0
Brazil	1		1							2		2				3	0	3			
Peru				1									1			2	0	0			
Total	22	8	10	13	4	4	35	8	9	28	9	15	49	16	10	147	45	48	8	6	2

※ The number of female students and MEXT scholarship students is included in the total.
** The year of a 3-year doctoral program

[Academic Exchange and Collaboration Agreements]

SOKENDAI is promoting academic exchange and collaboration with other domestic and foreign universities through mutual agreements.

Academic Agreement with Foreign Universities

Date of Agreement	Country of Region	University / Institute
May 25, 2005	Republic of Korea	The University of Science and Technology
April 1, 2010	Thailand	Faculty of Science, Chulalongkorn University
March 29, 2011	Thailand	Faculty of Science, Kasetsart University
March 24, 2014	Malaysia	Faculty of Science, University of Malaya
February 8, 2017	Vietnam	Faculty of Biology, Vietnam National University of Science
February 15, 2017	Vietnam	Faculty of Animal Science, Vietnam National University of Agriculture
February 20, 2017	Vietnam	Institute of Archaeology, Vietnam Academy of Social Sciences
December 28, 2017	Taiwan	National Taiwan University
February 28, 2018	USA	College of Arts, Languages & Letters, University of Hawaii
August 28, 2018	Slovenia	Biotechnical Faculty, University of Ljubljana
September 5, 2018	Thailand	Vidyasirimedhi Institute of Science and Technology
October 9, 2018	Bangladesh	Faculty of Biological Sciences, Jahangirnagar University
February 13, 2019	Geprgia	Georgian Technical University
November 7, 2019	Norway	UiT The Arctic University of Norway
November 8, 2019	France	École Centrale de Nantes
November 12, 2019	China	Lanzhou University
November 18, 2019	Republic of Korea	College of Medicine, Korea University
February 28, 2020	France	Université Paris-Saclay
May 20, 2020	China	School of Physical Science and Technology, Southwest Jiaotong University
July 17, 2020	Germany	Institute for Solid State Physics, Friedrich Schiller University Jena
July 20, 2020	Italy	Università di Bologna
December 8, 2021	France	Sorbonne Université
November 10, 2022	Republic of Korea	Pusan National University
March 7, 2023	Taiwan	National Yang Ming Chiao Tung University
June 8, 2023	Italy	University of Salerno
April 11, 2024	France	Aix-Marseille University
September 3, 2024	Taiwan	Fu Jen Catholic University
September 26, 2024	Thailand	Thaksin University
October 24, 2024	Thailand	Mahasarakham University
January 8, 2025	UK	University of Bradford
January 27, 2025	Mongolia	University of Mongolian Academy of Sciences
February 5, 2025	France	Nantes Université

Academic Agreement with Domestic Universities

Date of Agreement	University / Institute
April 1, 1995	Ochanomizu University, Faculty of Human Life and Environmental Sciences
April 1, 1995	Nagoya University, Graduate School of Medicine
April 1, 1998	The University of Tokyo, Graduate School of Science
April 1, 1998	The University of Tokyo, Graduate School of Information Science and Technology
April 1, 2000	International Christian University, Graduate School of Arts and Sciences
April 1, 2005	Kyoto University, Graduate School of Asian and African Area Studies
April 1, 2005	The University of Osaka, Graduate School of Human Sciences
April 1, 2005	Kobe University, Graduate School of Intercultural Studies / Human Development and Environment
April 1, 2005	Chiba University, Graduate School of Humanities and Studies on Public Affairs
April 1, 2009	Japan Advanced Institute of Science and Technology, Graduate School of Advanced Science and Technology
April 1, 2010	Nagoya University, Graduate School of Engineering
April 1, 2010	Chiba University, Graduate School of Science and Engineering
April 1, 2015	Tsuda University, Graduate Program in Mathematics and Computer Science
April 1, 2017	Kyushu University, Graduate School of Pharmaceutical Sciences
April 1, 2018	Hosei University, Graduate School of Science and Engineering
June 1, 2019	The University of Osaka, Graduate School of Engineering
October 1, 2019	Nagoya University, Graduate School of Science / Engineering / Bioagiricultural Sciences / Parmaceutical Sciences
April 1, 2020	The University of Shiga Prefecture, Graduate School of Human Cultures
April 1, 2022	Kwansei Gakuin University, Graduate School of Science and Technology
October 1, 2023	Shizuoka University, Graduate School of Integrated Science and Technology / Medical Photonics / Science and Technology, Educational Division
October 1, 2024	Institute of Science Tokyo, School of Science/ Engineering/ Materials and Chemical Technology/ Computing/ Life Science and Technology/ Environment and Society

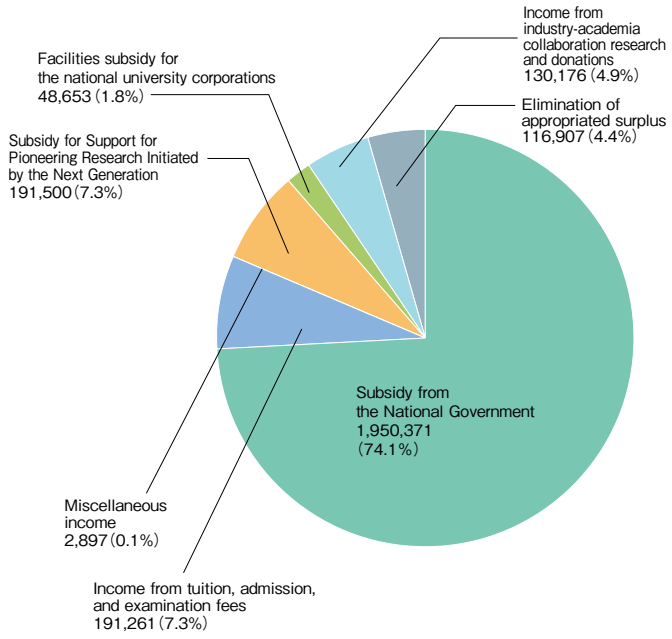
Academic Agreement with Universities in Kanagawa

Date of Agreement	University	Graduate School
January 10, 2001	Azabu University	Veterinary Science
		Environmental Health
	Kanagawa University	Law
		Economics
		Business Administration
		Humanities
		Science
		Engineering
		History and Folklore Studies
		Human Science
	Kanagawa Institute of Technology	Engineering
	Kanto Gakuin University	Humanities
		Economics
		Law
		Engineering
		Nursing
	Kitasato University	Science
		Medical Sciences
		Nursing
		Pharmacy
		Veterinary Medicine
		Marine Biosciences
		Infection Control Sciences
	Shonan Institute of Technology	Engineering
	Senshu University	Economics
		Law
		Humanities
		Business Administration
		Commerce
	Tsurumi University	Leterature
	Toin University of Yokohama	Law
		Engineering
		Sport Sciences
	Tokai University	Letters
		Political Sciences
		Economics
		Law
		Arts
		Physical Education
		Science
		Engineering
		Marine Science and Technology
		Health Studies
		Human Environmental Studies
	Nihon University	Bioresource Sciences
		Veterinary Medicine
	Tokyo Polytechnic University	Engineering
	Yokohama City University	Medicine
		Urban Social and Cultural Studies
		Nanobioscience
		Medical Life Science
March 20, 2002	Yokohama National University	Engineering
		Environment and Information Sciences
		Education
		International Social Sciences
		Urban Innovation
April 1, 2002	Institute of Science Tokyo	Life Science and Technology
April 1, 2004	Ferris University	Humanities
		Global and Inter-cultural Studies
		Music
	Meiji University	Agriculture
April 1, 2005	Institute of Information Security	Information Security
April 1, 2007	Tokyo City University	Environmental and Information Studies
April 1, 2009	Shoin University	Business Administration
April 1, 2009	Sagami Women's University	Nutritional Sciences
April 1, 2021		Social Entrepreneurship
April 1, 2010	Aoyama Gakuin University	Science and Engineering
April 1, 2013	Bunkyo University	Information and Communications
April 1, 2014	Kanagawa Dental University	Dental Sociology
April 1, 2015	Kamakura Women's University	Child Studies
	St. Marianna University School of Medicine	Medichine
April 1, 2016	Showa Medical University	Health Sciences
	Joshibi University of Art and Design	Art and Design
April 1, 2018	Den-En Chofu University	Human Science
April 1, 2019	Yokohama Soei University	Nursing

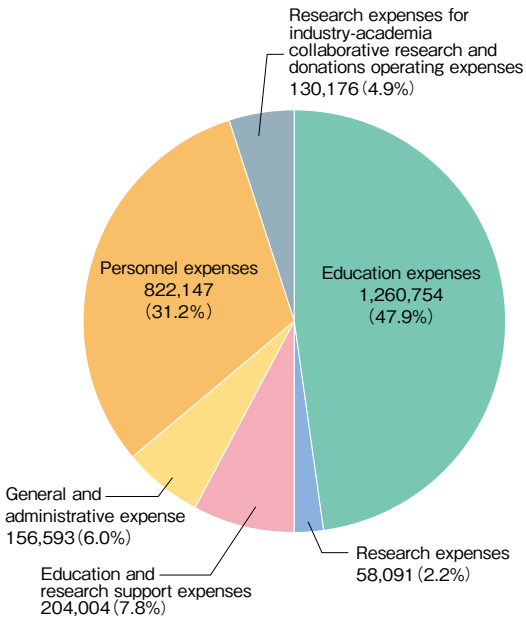
[FY2025 Income and Expenditures Budget]

(Yen, Thousand)

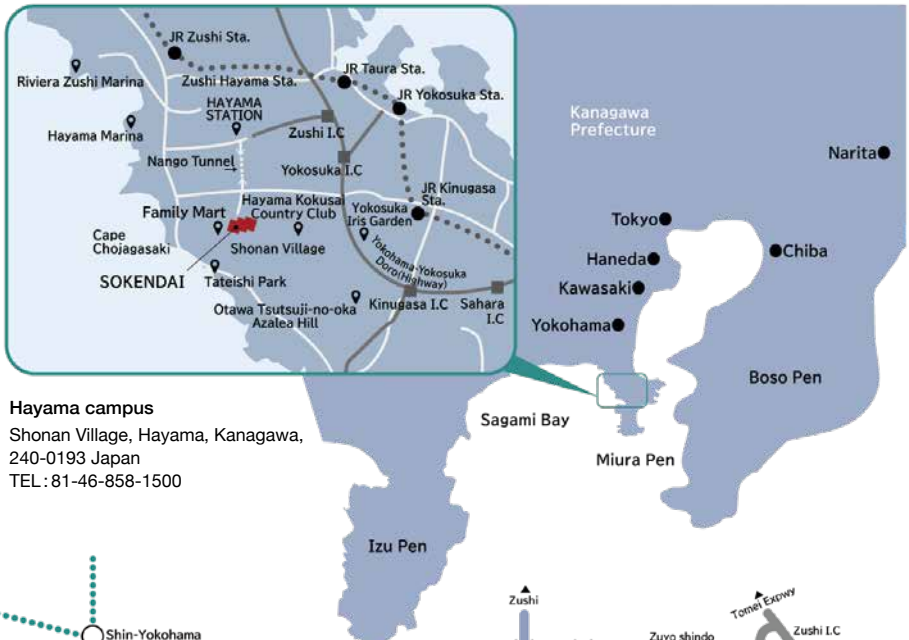
■Total Budget Income 2,631,765



■Total Expenditures Budget 2,631,765

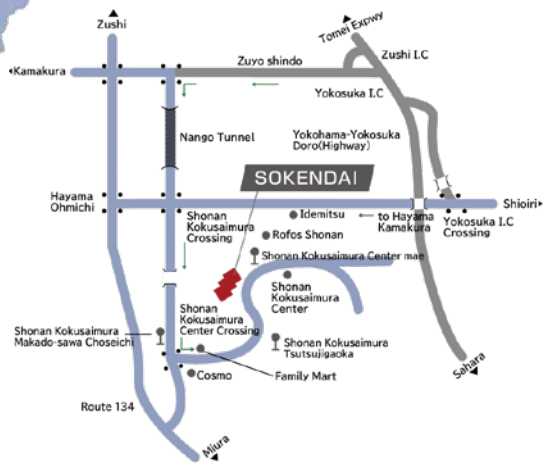


[ACCESS]



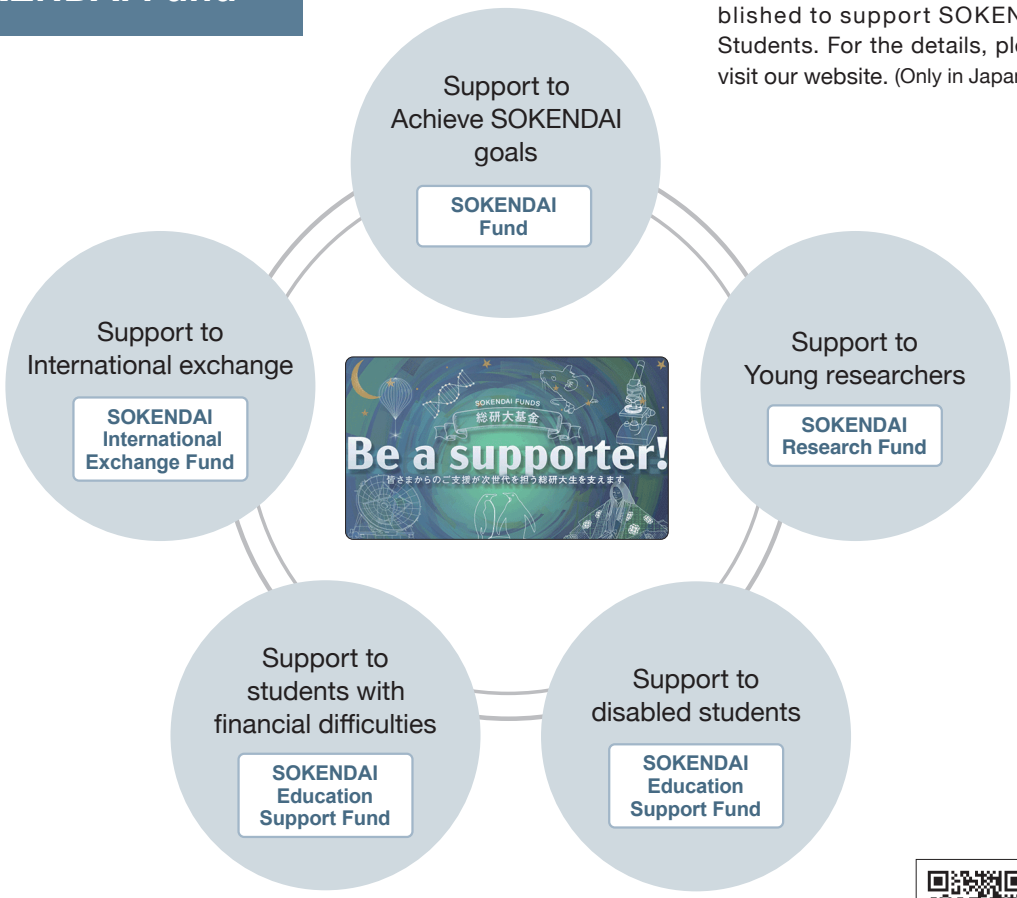
Hayama campus

Shonan Village, Hayama, Kanagawa,
240-0193 Japan
TEL : 81-46-858-1500



SOKENDAI Fund

SOKENDAI Fund has been established to support SOKENDAI Students. For the details, please visit our website. (Only in Japanese)



About Sokendai Fund https://www.soken.ac.jp/donation/

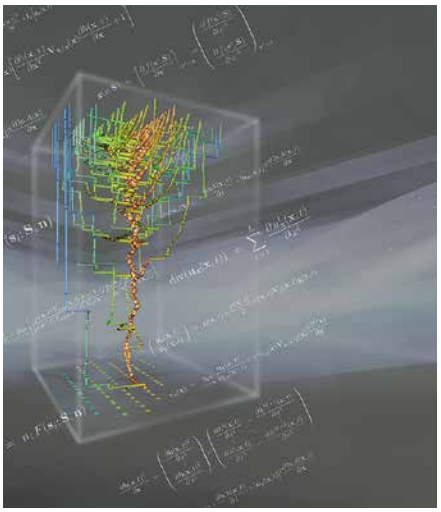
SOKENDAI Newsletter

SOKENDAI Newsletter covers ongoing activity information at the university such as various events in our campuses, research findings released to media, and awards.
You can find it online on our university website.
(Japanese text only)

SOKENDAI Newsletter https://www.soken.ac.jp/outline/pr/publicity/newsletter/

［**logo**］

SOKENDAI renewed our logo as we celebrate the 30th anniversary of the university's foundation in 2018. SOKENDAI represents a unique educational structure that provides intellectual knowledge at the highest standards. The ethos of the brand is mirrored through the visualization of a line 'Intelligence Connector' which symbolizes a platform for the multiple numbers of research centers across the world that form the diverse educational platform of SOKENDAI.



Created by modifying "The adaptation front equation explains innovation-driven taxonomic turnovers and living fossilization." by Hiroshi C. Ito and Akira Sasaki (https://doi.org/10.1086/727046), used under CC BY-NC 4.0.

［**Cover Image**］

Past trajectories of alive lineages in simulated Darwin-Darlington flows (flows of organisms in paleontological spatiotemporal scale)

In the evolutionary history of life, innovative new lineages emerged frequently in biologically favorable environments (e.g., lowlands, shallow sea, and low latitude regions). These new lineages diversified, invading and adapting to unfavorable environments (e.g., highlands, deep sea, and high latitude regions), at the expense of indigenous older lineages. Naturalists including C. Darwin and P. Darlington Jr. saw this trend and believed that there exist flows of organisms from favorable environments to unfavorable ones. When the flows are described mathematically, the most unfavorable environments have extremely slow flows, allowing very old lineages to persist without being exterminated, becoming "living fossils" (corresponding to the blue branches in the figure). Indeed, actual "living fossil" species often inhabit severe environments. In the figure, the height direction indicates time, and the depth and left-right directions can correspond to the elevation and latitude (low: orange, high: blue), respectively.

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