

National University

SOKENDAI

The Graduate University for Advanced Studies

2015

▶ 2016

School of Cultural and Social Studies

Department of Regional Studies
Department of Comparative Studies
Department of Japanese Studies
Department of Japanese History
Department of Cyber Society and Culture
Department of Japanese Literature

School of Physical Sciences

Department of Structural Molecular Science
Department of Functional Molecular Science
Department of Astronomical Science
Department of Fusion Science
Department of Space and Astronautical Science

School of High Energy Accelerator Science

Department of Accelerator Science
Department of Materials Structure Science
Department of Particle and Nuclear Physics

School of Multidisciplinary Sciences

Department of Statistical Science
Department of Polar Science
Department of Informatics

School of Life Science

Department of Genetics
Department of Basic Biology
Department of Physiological Sciences

School of Advanced Sciences

Department of Evolutionary Studies of Biosystems

<http://www.soken.ac.jp/>

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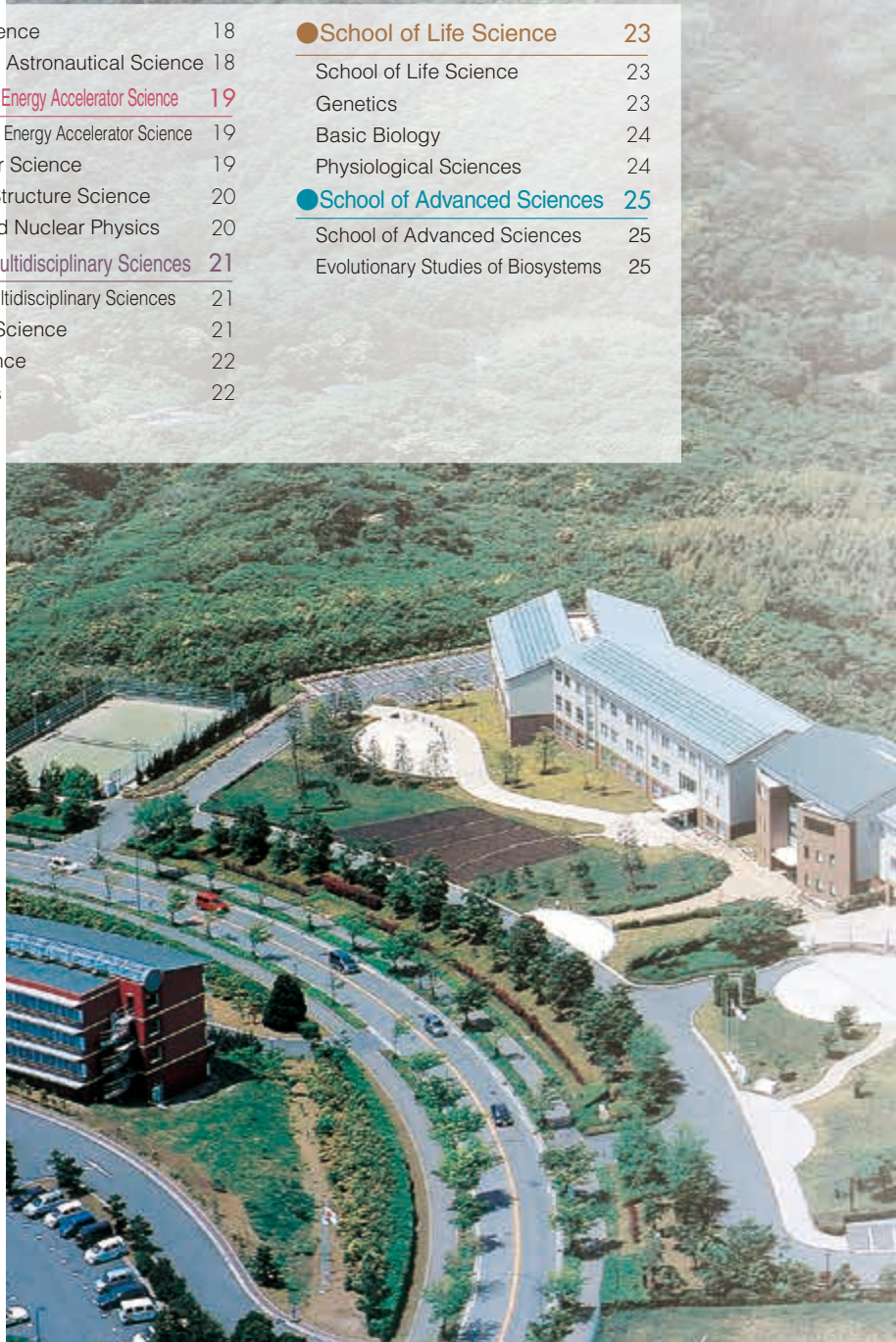
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Message from the President



SOKENDAI (The Graduate University for Advanced Studies) was established in 1988 as Japan's first independent graduate university without undergraduate courses. SOKENDAI is unique in the world in that it provides comprehensive doctoral programs in academic fields ranging from the arts and humanities to science and engineering in cooperation with parent institutes, such as Inter-University Research Institutes, the excellent research and learning environments of which are fully leveraged to nurture leading researchers with outstanding expertise and broad perspectives.

All students enrolled in SOKENDAI are from other national, public, and private universities (new students enrolled in academic year 2014 are from 64 universities, including 15 overseas universities). One of the greatest disadvantages of higher education in Japan resides in its low fluidity, which results in unilinearity and sectionalism. However, students admitted to SOKENDAI are already free of the negative effects thereof. Therefore, the remarkable potential of SOKENDAI students is backed by their own experience of successfully leaping over numerous barriers; many of them are also endowed with the guts and ability to take on challenges across the boundaries of fields and academic disciplines. This is one of the characteristics of SOKENDAI that has most benefited the University and individual students. In fact, new encounters with people and contact with new academic cultures give us great power to develop new knowledge.

The second characteristic of SOKENDAI is that graduate education is conducted in an excellent environment, more specifically, at the front lines of study at the affiliated 19 Inter-University Research Institutes. These parent Institutes have top-ranking research personnel who diligently collaborate with researchers from Japan and overseas, as well as the world's most sophisticated research equipment, facilities, materials, and databases. The Institutes promote highly specialized international research activities and interdisciplinary joint studies with researchers from universities/research institutes across Japan and other countries. Thus, SOKENDAI can aim at nurturing researchers with "high expertise", "international competency", and "cross-disciplinary cooperativeness".

The third characteristic of SOKENDAI is its systematic and organizational approach to encouraging students to acquire "comprehensive ability" in addition to high expertise. Across the parent institutes and the departments of SOKENDAI, research activities are in progress in a wide variety of fields, including culture, history, information, life, human physiology, energy, material, and space. Students here can make good use of this academic diversity to obtain the "broad perspective" necessary for situating their own expertise in the whole of knowledge, one aspect of the acquisition of comprehensive ability. New academic disciplines often straddle the boundaries between fields and develop with the input of researchers from different fields. Since the knowledge required for such new areas of study cannot be framed within the limits of individual departments or schools, it is necessary to provide interdisciplinary education across multiple departments or schools. In order to tackle this need, SOKENDAI has been promoting "interdepartmental programs". SOKENDAI students can obtain "cross-

disciplinary competence" through education across departments/schools and joint learning/research activities rooted in interdisciplinary cooperation. This is the second aspect of the acquisition of comprehensive ability. Nowadays, many of the fruits of science have already been materialized in society and are making an impact on people's lives. Scientists are required to be accountable for the results of their research and even the outcomes arising from the application of these results. In other words, modern scientists need to master the comprehensive ability as individuals taking into account humankind and society. The third aspect of the acquisition of the comprehensive ability is that SOKENDAI strives to attain the ideal of "science linked with society".

The objectives of SOKENDAI are: (i) to nurture international researchers with high expertise and broad perspectives as well as an understanding of cross-disciplinary cooperation and social relationships; (ii) to proceed with interdisciplinary, pioneering and expansive research on the basis of the linkage between the parent institutes and the Hayama Campus and through collaboration with Japanese and international researchers, and; (iii) to establish its position as a hub for graduate education in Asia for the creation of science linked with society.

It is my hope that SOKENDAI students gain a good understanding of these characteristics and objectives of the University and take on challenging research subjects while making full use of the resources provided. Although graduate students have a lot to do in their everyday learning and research activities, I also hope that they make efforts to develop relationships with those who specialize in different academic fields or come from different universities and countries. Human connections obtained through such efforts will surely yield great rewards in their future research lives. In addition, Japanese students are encouraged to master foreign languages, and international students the Japanese language. As in the case of interaction among multiple areas of expertise, so to be proficient in intercultural communication is a prerequisite for exercising one's ability as a doctoral level researcher equipped with international competency. SOKENDAI also strives to promote multilingualism in the education of students.

We, the faculty and staff of SOKENDAI, will consistently work with our students to further evolve the University's characteristics and to achieve our objectives. In this regard, we ask all concerned to understand and cooperate in the further development of SOKENDAI.

April 1, 2015

A handwritten signature in black ink, appearing to read 'Yasunobu Okada'.

Okada, Yasunobu
President

SOKENDAI (The Graduate University for Advanced Studies)

Profile

Graduated from Kyoto University, Faculty of Medicine, and obtained Ph.D. degree in medicine from Kyoto University. Worked as a research associate and assistant professor at Kyoto University before becoming a professor in 1992 and then the vice-director-general in 2004 at the National Institute for Physiological Sciences (NIPS). Dr. Okada was appointed as the director-general of NIPS and the vice-president of National Institute of Natural Sciences (NINS) in 2007, and then, in addition, he also served as an executive director in NINS from 2010. He assumed his present role as the president of SOKENDAI (The Graduate University for Advanced Studies) in 2014.

His specialty is molecular and cellular physiology, and his research has been mainly focused on the mechanisms of cell volume regulation and cell death induction and on the roles of anion channels. Dr. Okada is one of the ISI highly cited researchers in biology & biochemistry, and he received the Irisawa Memorial Award from the Physiological Society of Japan (PSJ) in 2000 and 2011. He served as the president of PSJ from 2006 for six years and the president of the Federation of the Asian and Oceanian Physiological Societies (FAOPS) from 2006 for five years.



Main features of SOKENDAI (The Graduate University for Advanced Studies)

Unique doctoral courses and education programs

- Three- or five-year term Ph. D. courses
- Education programs on research sites in individual “Inter-University Research Institutes”
- Tailor-made man-to-man education programs
- Admission programs for foreigners and full-fledged members of society

Fostering advanced specialties and expertise

- Supervision of student researches by top-level researchers in individual fields
- Specialty-education programs in diverse research fields
- Nagakura Research Incentive Award/SOKENDAI Scientist Award/Future Scientist Award
- Practical use of collections of archives, unique equipments and facilities in “Inter - University Research Institutes”

Cultivating wide vision

- Offerings of the SOKENDAI Freshman Course
- Joint education and research activities among Departments or Schools
- Cross-disciplinary education through distance learning systems

Achieving international competitiveness

- Education under international atmosphere by top-level researchers of science and technology
- Education programs of oral presentation skills
- Student programs for overseas research experiences
- Joint education with “the International Priority Graduate Programs (PGP) –Advanced Graduate Courses for International Students–”

Creating new inter-disciplinary and cutting-edge fields

- Offerings of the Interdepartmental Education Program for new fields
- Promotion of four key operations through the Center for the Promotion of Integrated Sciences
- Promotion of “Science and Society” program
- Construction of academic networks among SOKENDAI alumni (SOKENDAI-Anet)

Establishment Objectives / Purpose of Establishment

In recent years, there has been a strong demand for the promotion of original and international research and the opening up of advanced scientific fields that transcend the boundaries of existing scientific disciplines.

The Graduate University for Advanced Studies, the first of its kind in Japan, was established to cultivate researchers capable of responding to such demands. It offers the advantage of enabling students to carry out research in the most advanced research environment of Inter-University Research Institutes, which operate under the auspices of the Ministry of Education, Culture, Sports, Science and Technology (MEXT). These institutes conduct advanced research in a variety of fields, and play a central role in the promotion of joint research.

The Graduate University for Advanced Studies was established to foster creative international researchers with wide-ranging vision who are capable of leading the latest trends in research.

The University will promote original and international research and open up new scientific fields that transcend the boundaries of existing scientific disciplines.



Inter-University Research Institutes

Inter-University Research Institutes (referred to as "IURI" hereafter) house large scale, high-technical facilities, high-level laboratories, or various academic data and archives. They are accessible for any university researchers who would collaboratively interact each other, using these facilities. Nineteen IURI are established nationwide.

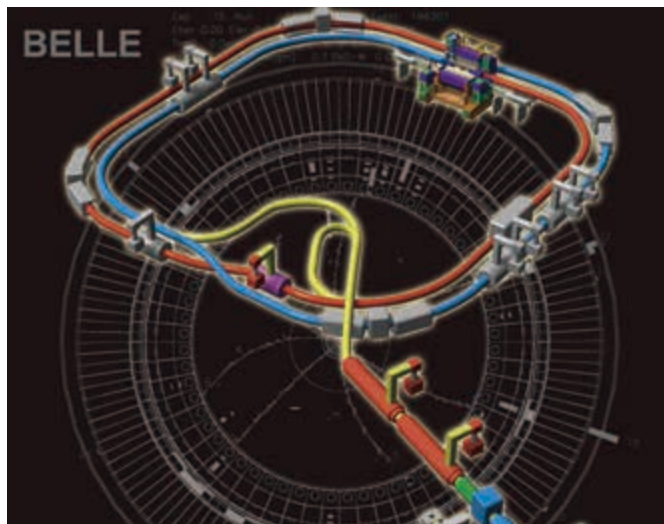
Have you ever heard, either on TV or in a newspaper, of the largest telescope in the world, the Subaru telescope, on the big island of Hawaii, or of the observation vessel, the Shirase, heading to the South Pole? Both of them are related to IURI, affiliated with SOKENDAI; the Subaru telescope was established by the National Astronomical Observatory, and the polar observation is carried out by the National Institute of Polar Research.

Most of the research activities involve fundamental scientific studies which demand large-scale facilities and a large budget. IURIs have a great number of researchers and a large amount of research grants are made available to carry out original and advanced scientific research.



Advanced specialist education in research facilities and general education cultivating broad views

Ph. D. programs at the Graduate University for Advanced Studies provide an ideal education and research environment, offering direct access to large-scale or special experiment/observation facilities, as well as academic materials and data at world-class research institutes in Japan (Inter-University Research Institutes). In our Ph. D. programs, students can be in daily communication with cutting-edge researchers in Japan and abroad as one of the leading international research centers. Having 2~3 faculty members per student, SOKENDAI offers both advanced specialist education and general education cultivating broad views.



Inter-University Research Institutes participating in SOKENDAI (The Graduate University for Advanced Studies)

① The Graduate University for Advanced Studies [Hayama campus]

The Center for the Promotion of Integrated Sciences
Information Services and Technology Center
University Library

Department of Evolutionary Studies of Biosystems
(School of Advanced Sciences)
Shonan Village, Hayama, Kanagawa 240-0193 Japan
TEL: 81-46-858-1500
FAX: 81-46-858-1542
URL: <http://www.soken.ac.jp>

② National Institutes for the Humanities National Museum of Ethnology

Department of Regional Studies
Department of Comparative Studies
(School of Cultural and Social Studies)
10-1 Senri Expo Park, Suita, Osaka, 565-8511 Japan
TEL: 81-6-6878-8236
URL: <http://www.minpaku.ac.jp>

③ National Institutes for the Humanities International Research Center for Japanese Studies

Department of Japanese Studies
(School of Cultural and Social Studies)
3-2 Oeyama-cho, Goryo, Nishikyoku-ku, Kyoto, 610-1192 Japan
TEL: 81-75-335-2222
URL: <http://www.nichibun.ac.jp/en/>

④ National Institutes for the Humanities National Museum of Japanese History

Department of Japanese History
(School of Cultural and Social Studies)
117 Jonai-cho, Sakura-shi, Chiba, 285-8502 Japan
TEL: 81-43-486-0123
URL: <http://www.rekihaku.ac.jp>

⑤ The Open University of Japan Center for Open Distance Education

Department of Cyber Society and Culture
(School of Cultural and Social Studies)
2-11, Wakaba, Mihama-ku, Chiba, 261-8586 Japan
TEL: 81-43-276-5111
URL: <http://www.ouj.ac.jp/eng/>

⑥ National Institutes for the Humanities National Institute of Japanese Literature

Department of Japanese Literature
(School of Cultural and Social Studies)
10-3, Midori-cho, Tachikawa, Tokyo 190-0014 Japan
URL: <http://www.nijl.ac.jp>

⑦ National Institutes of Natural Sciences Institute for Molecular Science

Department of Structural Molecular Science
Department of Functional Molecular Science
(School of Physical Sciences)
URL: <http://www.ims.ac.jp>

⑧ National Institutes of Natural Sciences National Institute for Basic Biology

Department of Basic Biology
(School of Life Science)
URL: <http://www.nibb.ac.jp/en>

⑨ National Institutes of Natural Sciences National Institute for Physiological Sciences

Department of Physiological Sciences
(School of Life Science)
URL: <http://www.nips.ac.jp/eng>
38 Nishigonaka, Myodaiji, Okazaki, 444-8585 Japan
TEL: 81-564-55-7000

⑩ National Institutes of Natural Sciences National Astronomical Observatory

Department of Astronomical Science
(School of Physical Sciences)
2-21-1 Osawa, Mitaka, Tokyo, 181-8588 Japan
TEL: 81-422-34-3600
URL: <http://www.nao.ac.jp>

⑪ National Astronomical Observatory (Mizusawa)

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

⑫ National Astronomical Observatory (Nobeyama)

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

⑬ National Astronomical Observatory (Okayama)

3037-5 Honjou, Kamogata, Asakuchi, Okayama, 719-0232 Japan
TEL: 81-865-44-2155

⑭ National Astronomical Observatory (Hawaii)

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

⑮ National Astronomical Observatory (Chile)

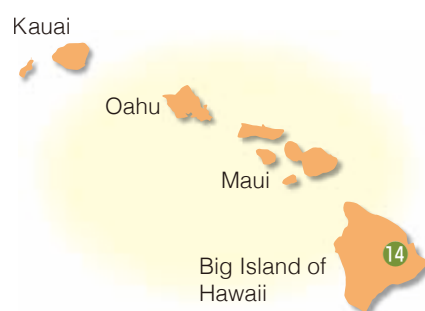
Calle Joaquin Montero 3000, Oficina 702, Vitacura, Santiago, Chile
TEL: 56-2-2656-9253

⑯ National Institutes of Natural Sciences National Institute for Fusion Science

Department of Fusion Science
(School of Physical Sciences)
322-6, Oroshi-cho, Toki, Gifu, 509-5292 Japan
TEL: 81-572-58-2222
URL: <http://www.nifs.ac.jp>

⑰ Japan Aerospace Exploration Agency Institute of Space and Astronautical Science

Department of Space and Astronautical Science
(School of Physical Sciences)
3-1-1, Yoshinodai Chuo-ku Sagami-hara, Kanagawa, 252-5210 Japan
TEL: 81-42-759-8012
URL: <http://www.isas.jaxa.jp/sokendai/e/index.html>



⑱ High Energy Accelerator Research Organization (Tsukuba Campus)

Accelerator Laboratory · Applied Research Laboratory
Department of Accelerator Science
(School of High Energy Accelerator Science)
Institute of Materials Structure Science
Department of Materials Structure Science
(School of High Energy Accelerator Science)
Institute of Particle and Nuclear Studies
Department of Particle and Nuclear Physics
(School of High Energy Accelerator Science)
1-1 Oho, Tsukuba, Ibaraki, 305-0801 Japan
TEL: 81-29-864-1171 or 5128
URL: <http://www.kek.jp>

⑲ High Energy Accelerator Research Organization (Tokai Campus)

203-1 Oaza-Shirakata, Tokai-Mura, Naka-gun, Ibaraki, 319-1106 Japan

⑳ Research Organization of Information and Systems The Institute of Statistical Mathematics

Department of Statistical Science
(School of Multidisciplinary Sciences)
10-3 Midori-cho, Tachikawa, Tokyo, 190-8562 Japan
TEL: 81-50-5533-8500
URL: <http://www.ism.ac.jp>

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

Department of Polar Science
(School of Multidisciplinary Sciences)
10-3 Midori-cho, Tachikawa, Tokyo, 190-8518 Japan
TEL: 81-42-512-0608
URL: <http://www.nipr.ac.jp>

㉒ National Institute of Polar Research SYOWA STATION

Department of Polar Science
(School of Multidisciplinary Sciences)

㉓ Research Organization of Information and Systems National Institute of Informatics

Department of Informatics
(School of Multidisciplinary Sciences)
2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo, 101-8430 Japan
TEL: 81-3-4212-2000
URL: <http://www.nii.ac.jp>

㉔ Research Organization of Information and Systems National Institute of Genetics

Department of Genetics
(School of Life Science)
1111 Yata, Mishima, 411-8540 Japan
TEL: 81-55-981-6720
URL: <http://www.nig.ac.jp>





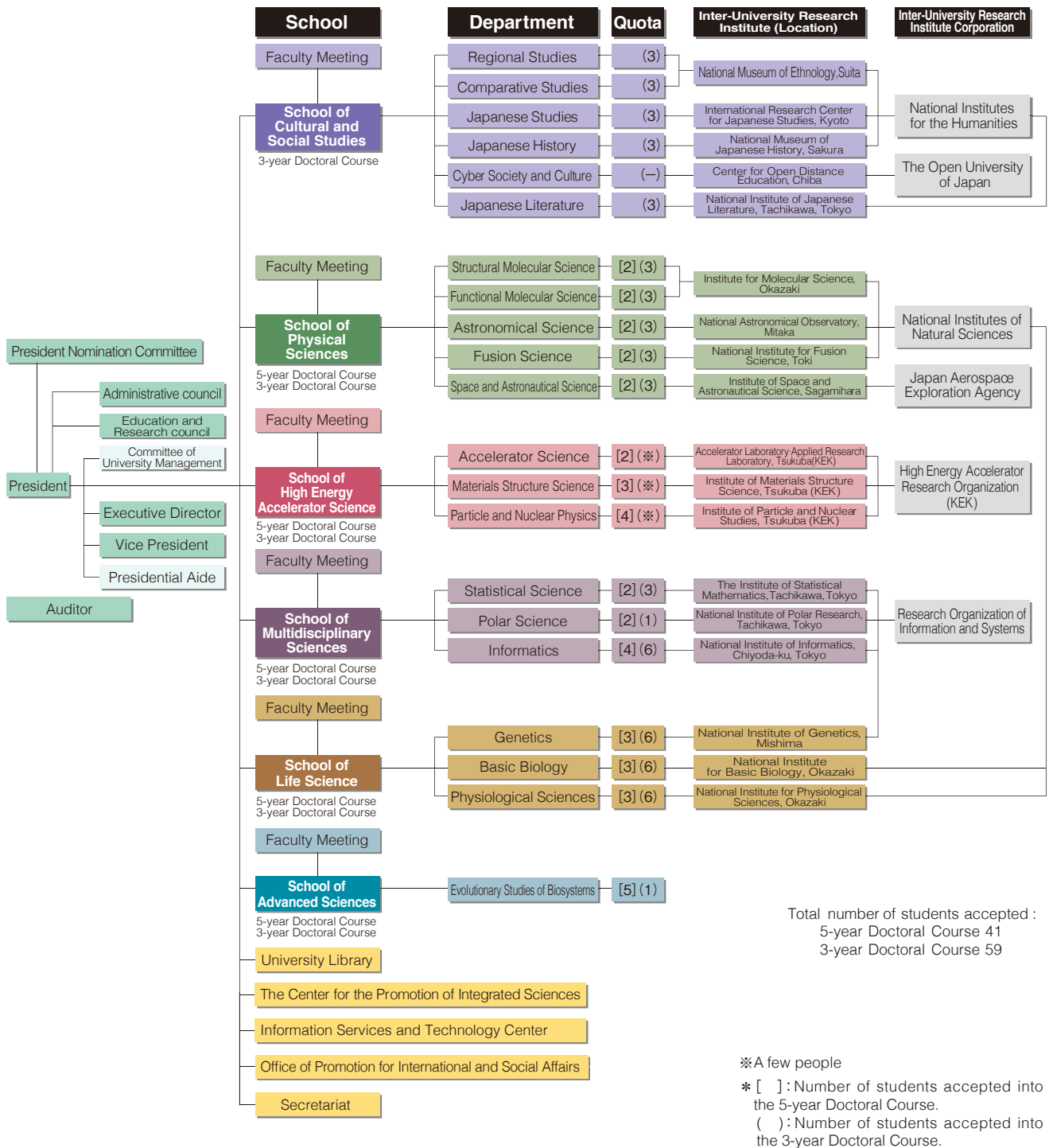
History

| 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 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." | | | | |
|---|--|---|--|---|---|--------------|--|
| 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. | September 1998 | Construction of the School of Advanced Sciences building for research (3,060m ²) begins at the Hayama Campus. | | | | |
| 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. | 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. | | | | |
| May 1987 | An Office and Committee for Preparation of the Establishment of a Postgraduate School for Advanced Studies are established at Okazaki National Research Institutes. | June 1999 | Construction is completed on the research building for the School of Advanced Sciences. | | | | |
| July 1987 | 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 the Graduate University for Advanced Studies. | 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. | | | | |
| April 1988 | An Office and Committee for Preparation of the Establishment of the Graduate University for Advanced Studies are established at Okazaki National Research Institutes. | July 2001 | Construction of the University Library (1,427m ²) begins at the Hayama Campus. | | | | |
| May 1988 | 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. | February 2002 | Construction of the University Library is completed. | | | | |
| September 1988 | 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. | April 2002 | Department of Informatics established in the School of Mathematical and Physical Science; matriculation begins. | | | | |
| October 1988 | The Graduate University for Advanced Studies is inaugurated. The central administration office is established at the Tokyo Institute of Technology (Nagatsuda Campus). | April 2003 | 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. | | | | |
| | <table border="1"> <thead> <tr> <th>School of Mathematical and Physical Science</th> <th>School of Life Science</th> </tr> </thead> <tbody> <tr> <td> <ul style="list-style-type: none"> Department of Statistical Science Department of Accelerator Science Department of Synchrotron Radiation Science Department of Structural Molecular Science Department of Functional Molecular Science </td> <td> <ul style="list-style-type: none"> Department of Genetics Department of Molecular Biomechanics Department of Physiological Science </td> </tr> </tbody> </table> | School of Mathematical and Physical Science | School of Life Science | <ul style="list-style-type: none"> Department of Statistical Science Department of Accelerator Science Department of Synchrotron Radiation Science Department of Structural Molecular Science Department of Functional Molecular Science | <ul style="list-style-type: none"> Department of Genetics Department of Molecular Biomechanics Department of Physiological Science | October 2003 | "The National University Corporation Law (Law No. 112 of 2003)" is promulgated and enforced. |
| School of Mathematical and Physical Science | School of Life Science | | | | | | |
| <ul style="list-style-type: none"> Department of Statistical Science Department of Accelerator Science Department of Synchrotron Radiation Science Department of Structural Molecular Science Department of Functional Molecular Science | <ul style="list-style-type: none"> 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. | 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 implemented the five-year Ph.D. program system in addition to the three-year system. The School has begun to accept students. | | | | |
| 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 three schools. | April 2005 | The name of the Department of Molecular Biomechanics at the School of Life Science has changed to the Department of Basic Biology. | | | | |
| January 1990 | Dr. Eizi Hirota is appointed as the first Vice President of the University. | 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 Ph.D. program system in addition to the three-year system. The Schools have begun to accept students. | | | | |
| April 1991 | The Coordination Center for Research and Education is established. | April 2007 | The School of Advanced Sciences has reorganized the Department of Biosystems Science and the Department of Photo Science (both have provided only 3-year doctoral course) into the Department of Evolutionary Studies of Biosystems (which offers both 3-year and 5-year doctoral course) and started accepting students into the new department. | | | | |
| 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 2008 | Dr. Naoyuki Takahata has been appointed as the fourth President. | | | | |
| April 1993 | The Department of Polar Science (School of Mathematical and Physical Science) is established; matriculation begins. | April 2009 | The Department of Cyber Society and Culture has stopped accepting new students. | | | | |
| 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 2010 | Construction of the Center for the Promotion of Integrated Sciences(1,033m ²) begins at the Hayama Campus. | | | | |
| March 1994 | Construction of the central administration office (4,205m ²) begins at the Hayama Campus. | April 2010 | The name of Hayama Center for Advanced Studies has changed to the Center for the Promotion of Integrated Sciences. | | | | |
| June 1994 | The Information Center for Research and Education is established. | January 2011 | Construction of the Center for the Promotion of Integrated Sciences is completed. | | | | |
| February 1995 | Administrative functions are transferred from Nagatsuda Campus to Hayama; construction is completed on the central administration building. | April 2013 | Information Services and Technology Center is established. | | | | |
| April 1995 | Dr. Eizi Hirota is appointed as the second President. Dr. Kazuo Moriwaki is appointed as the second Vice President. | April 2014 | Dr. Yasunobu Okada has been appointed as the fifth 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). | | | | | | |

Research and Education System

SOKENDAI is affiliated with parent institutes (“Kiban Kikan,” in Japanese, including The Open University of Japan, which has taken over the activities of the National Institute of Multimedia Education), consisting of 17 Inter-University Research Institutes operated by four Inter-University Research Institute Corporations and one research institute of the Japan Aerospace Exploration Agency. SOKENDAI offers both a “dispersed” and an “integrated” research and education system: “dispersed” in that research and education on discipline-specific, advanced are carried out at each parent institute; “integrated” in that interdisciplinary research and education, including those in disciplines in which the parent institutes specialize, are provided. SOKENDAI also offers interschool/departmental education programs that meet new academic wishes and development.

University Organization (2015)



Organization

Administrative Board

As of April 1, 2015

| | |
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| President | Okada, Yasunobu |
| Executive Director | Hasegawa, Mariko |
| Executive Director | Nagayama, Kuniaki |
| Executive Director | Tamura, Katsumi |
| Auditor | Fujii, Yoshiyuki |
| Auditor | Nakamoto, Fuminori |

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| Vice President | Hasegawa, Mariko |
| Presidential Aide | Hirata, Kohji |
| Presidential Aide | Husimi, Yuzuru |
| Presidential Aide | Kamada, Susumu |

School of Cultural and Social Studies

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| Dean | Kojima, Michihiro |
| Chair of the Department of Regional Studies | Yokoyama, Hiroko |
| Chair of the Department of Comparative Studies | Sasahara, Ryoji |
| Chair of the Department of Japanese Studies | Matsuda, Toshihiko |
| Chair of the Department of Japanese History | Koike, Jun'ichi |
| Chair of the Department of Cyber Society and Culture | Nishina, Emi |
| Chair of the Department of Japanese Literature | Yamashita, Noriko |

School of Physical Sciences

| | |
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| Dean | Nakamura, Yukio |
| Deputy Dean | Matsuhara, Hideo |
| Chair of the Department of Structural Molecular Science | Ohmine, Iwao |
| Chair of the Department of Functional Molecular Science | Uozumi, Yasuhiro |
| Chair of the Department of Astronomical Science | Hayashi, Masahiko |
| Chair of the Department of Fusion Science | Takeiri, Yasuhiko |
| Chair of the Department of Space and Astronautical Science | Inatomi, Yuko |

School of High Energy Accelerator Science

| | |
|---|-------------------|
| Dean | Kamiyama, Takashi |
| Deputy Dean | Ogawa, Yujiro |
| Chair of the Department of Accelerator Science | Ogawa, Yujiro |
| Chair of the Department of Materials Structure Science | Kawata, Hiroshi |
| Chair of the Department of Particle and Nuclear Physics | Hashimoto, Shoji |

School of Multidisciplinary Sciences

| | |
|--|---------------------|
| Dean | Kashiwagi, Nobuhisa |
| Deputy Dean | Kojima, Hideyasu |
| Chair of the Department of Statistical Science | Miyasato, Yoshihiko |
| Chair of the Department of Polar Science | Imura, Satoshi |
| Chair of the Department of Informatics | Oyama, Keizo |

School of Life Science

| | |
|---|---------------------|
| Dean | Hasebe, Mitsuyasu |
| Deputy Dean | Fujimori, Toshihiko |
| Chair of the Department of Genetics | Katsura, Isao |
| Chair of the Department of Basic Biology | Yamamoto, Masayuki |
| Chair of the Department of Physiological Sciences | Imoto, Keiji |

School of Advanced Sciences

| | |
|---|------------------|
| Dean | Arikawa, Kentaro |
| Deputy Dean | Satta, Yoko |
| Chair of the Department of Evolutionary Studies of Biosystems | Sasaki, Akira |

University Library

| | |
|-----------------|------------------|
| Acting Director | Hasegawa, Mariko |
| Deputy Director | Yagyu, Shuji |

The Center for the Promotion of Integrated Sciences

| | |
|-----------------|---------------|
| Director | Hirata, Kohji |
| Deputy Director | Satta, Yoko |

Information Services and Technology Center

| | |
|----------|--------------|
| Director | Ota, Tatsuya |
|----------|--------------|

Headquarters

| | |
|---|----------------------|
| Secretary-General | Sato, Tadashi |
| Director of General Affairs | Kurebayashi, Takaaki |
| Director of Financial Affairs | Kitagawa, Masataka |
| Director of Academic and Students Affairs | Kibayashi, Toru |
| Director of International and Social Affairs | Kamei, Takeshi |
| Director of CPIS Office | Kaizuka, Toshiyuki |
| Director of ISTC Office | Shibata, Takeru |
| Director of Internal Audit and Archives Repository Office | Yagyu, Shuji |
| Director of Public Relations Office | Mayama, Satoshi |

Education and Research Council As of April 1, 2015

| | |
|--|---------------------|
| President | Okada, Yasunobu |
| Executive Vice President (Executive Director) | Hasegawa, Mariko |
| Executive Director | Nagayama, Kuniaki |
| Executive Director | Tamura, Katsumi |
| Dean of School of Cultural and Social Studies | Kojima, Michihiro |
| Dean of School of Physical Sciences | Nakamura, Yukio |
| Dean of School of High Energy Accelerator Science | Kamiyama, Takashi |
| Dean of School of Multidisciplinary Sciences | Kashiwagi, Nobuhisa |
| Dean of School of Life Science | Hasebe, Mitsuyasu |
| Dean of School of Advanced Sciences | Arikawa, Kentaro |
| Chair of the Department of Regional Studies | Yokoyama, Hiroko |
| Chair of the Department of Japanese Studies | Matsuda, Toshihiko |
| Chair of the Department of Japanese History | Koike, Jun'ichi |
| Chair of the Department of Cyber Society and Culture | Nishina, Emi |
| Chair of the Department of Japanese Literature | Yamashita, Noriko |
| Chair of the Department of Structural Molecular Science | Ohmine, Iwao |
| Chair of the Department of Astronomical Science | Hayashi, Masahiko |
| Chair of the Department of Fusion Science | Takeiri, Yasuhiko |
| Professor of the Department of Space and Astronautical Science | Matsuhara, Hideo |
| Chair of the Department of Accelerator Science | Ogawa, Yujiro |
| Chair of the Department of Materials Structure Science | Kawata, Hiroshi |
| Chair of the Department of Particle and Nuclear Physics | Hashimoto, Shoji |
| Chair of the Department of Statistical Science | Miyasato, Yoshihiko |
| Chair of the Department of Polar Science | Imura, Satoshi |
| Chair of the Department of Informatics | Oyama, Keizo |
| Chair of the Department of Genetics | Katsura, Isao |
| Chair of the Department of Basic Biology | Yamamoto, Masayuki |
| Chair of the Department of Physiological Sciences | Imoto, Keiji |
| Chair of the Department of Evolutionary Studies of Biosystems | Sasaki, Akira |
| Professor of the Department of Regional Studies | Sudo, Ken'ichi |
| Professor of the Department of Japanese Studies | Komatsu, Kazuhiko |
| Professor of the Department of Japanese History | Kurushima, Hiroshi |
| Professor of the Department of Japanese Literature | Imanishi, Yuichiro |
| Professor of the Department of Statistical Science | Higuchi, Tomoyuki |
| Professor of the Department of Polar Science | Shiraishi, Kazuyuki |

Administrative Council As of April 1, 2015

Internal representatives

| | |
|---|-------------------|
| President | Okada, Yasunobu |
| Executive Vice President (Executive Director) | Hasegawa, Mariko |
| Executive Director | Nagayama, Kuniaki |
| Executive Director | Tamura, Katsumi |
| Secretary-General | Sato, Tadashi |

External academics and specialists

| | |
|---|---------------------|
| Executive Director, Institute of Space and Astronautical Science, | |
| Japan Aerospace Exploration Agency | Tsuneta, Saku |
| Chief Executive Director, National Museum of Emerging Science and Innovation | Mohri, Mamoru |
| President, National Institutes for the Humanities | Tachimoto, Narifumi |
| President, Research Organization of Information and Systems | Kitagawa, Genshiro |
| Professor, Research Institute for Science and Technology, Tokyo University of Science | Kuroda, Reiko |
| Adviser, Shiseido Co., Ltd. | Genma, Akira |
| External Executive Director, Research Organization of Information and Systems | Go, Mitiko |
| Professor/Executive Officer, University of Tsukuba | Tokunaga, Tamotsu |
| President, National Institutes of Natural Sciences | Sato, Katsuhiko |
| Director General, High Energy Accelerator Research Organization | Yamauchi, Masanori |
| Director, Tamarokuto Science Center | Takayanagi, Yuichi |
| Director General, National Institute of Informatics, Research Organization of Information and Systems | Kitsuregawa, Masaru |

School of Cultural and Social Studies

By providing comprehensive research and educational programs on the human cultural activities and the relationship among human, society, technology, and nature, the School aims to encourage outstanding researchers who can compete internationally and can offer broad perspectives as well as those who can contribute to the society by using advanced research techniques in which they were trained.

School of Cultural and Social Studies

The School of Cultural and Social Studies is the only school in humanities at SOKENDAI. The School is affiliated with four Inter-University Research Institutes, (National Museum of Ethnology, International Research Center for Japanese Studies, National Museum of Japanese History, and National Institute of Japanese Literature) and the Open University of Japan (Center of ICT and Distance Education). The School is comprised of the following six departments. The Department of Regional Studies conducts research and education on ethnic societies and cultures around the world on a regional and individual basis. The Department of Comparative Studies conducts research and education on ethnic society, craftwork, religion, and art using cross-cultural approaches. The Department of Japanese Studies conducts research and education on Japanese society and culture by integrating international comparisons and interdisciplinary perspectives. The Department of Japanese History conducts research and education for the clarification of Japanese history through the collaboration of history, archaeology, folklore, and other related disciplines. The Department of Cyber Society and Culture provides interdisciplinary and comprehensive education on interactions among media, culture, society, and humans. The Department of Japanese Literature conducts research and education in the comprehensive study of the characteristics of literary resources, the formation and enjoyment of those works, and the processes and environments in which they were produced. Through the international and interdisciplinary research and education, the School of Cultural and Social Studies aims to nurture talented individuals with broad perspectives and international awareness.

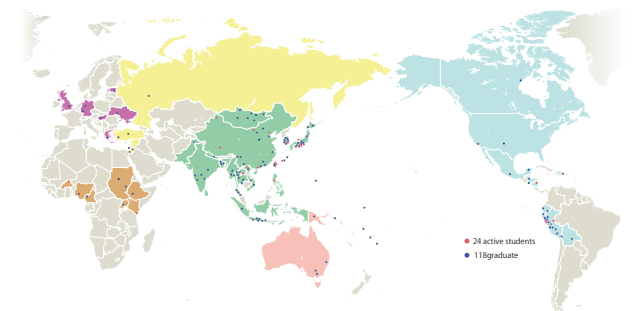
Department of Regional Studies

The Department studies the individual cultures of ethnic groups in Asia, Europe, Africa, the Americas, and Oceania. It considers the characteristics and history of each culture and focuses on describing a culture and understanding its structure using ethnographic methodology. The Department fosters researchers who have high expertise and actively promote the descriptive study of individual cultures based on fieldwork.



Seminar
Bi-directional discussion provoked by student's presentation contributes to broadening the participant's horizons.

Map of field research activities by students



as of January 2015
(Department of Regional Studies and Comparative Studies)

Departments under the School

- Department of Regional Studies
- Department of Comparative Studies
- Department of Japanese Studies
- Department of Japanese History
- Department of Cyber Society and Culture
(Termination of student recruitment)
- Department of Japanese Literature



■ Kojima, Michihiro
Dean
School of Cultural and Social Studies

Special field: Medieval and Early
Modern History of
Japan

- COURSES**
- Asian Studies
 - European Studies
 - African Studies
 - American Studies
 - Oceanian Studies

Department of Comparative Studies

The Department of Comparative Studies is designed for students interested in the comparative and cross-cultural study of social systems, religion, technology, languages, arts, and cultural resources. Through the comparative study of ethnic cultures, students are expected to identify the cross-cultural aspects of their research subjects and to develop theoretical interpretations of the comparative data.

To foster researchers with high expertise, we encourage new research methods integrating relevant information technology and interdisciplinary approaches with the traditional anthropological methods.



Exhibition Hall at the Museum
Students have close access to the museum collections such as artifacts, audio-visual materials, books and periodicals

- COURSES**
- Social/Cultural Anthropology**
 - Anthropology of Religion**
 - Anthropology of Technology**
 - Linguistics**
 - Anthropology of Art**
 - Cultural Resources**

Department of Japanese Studies

The Department of Japanese Studies is organized as a single administrative unit in order to facilitate the international and interdisciplinary pursuit of Japanese studies encompassing the humanities, social sciences, as well as natural sciences. A special feature of our graduate study program is that all the faculty participate in teaching and research guidance.

The department requires graduate students to take three courses—"Theory and Methodology in Japanese Studies," "Interdisciplinary Research," and "Dissertation Writing Guidance"—which set forth the theoretical and methodological basis for conducting Japanese studies in global perspective. Through these courses and directed research, we hope to foster researchers with creative and highly specialized perspectives who are equipped to undertake comprehensive approaches of a broad interdisciplinary nature crossing the lines of multiple fields of study.



Library
We acquire basic books and periodicals published both in and outside of Japan.

- COURSES**
- Japanese Studies**

Department of Japanese History

In the Department of Japanese History, which has the National Museum of Japanese History as its parent institute, researchers specializing in history, archaeology, folklore, and allied disciplines including natural science, provide educational and research opportunities, including fieldwork, from interdisciplinary viewpoints. The most distinctive feature of the Department is that the students can use materials that are stored in the Museum, as well as various tangible and intangible information resources and advanced equipment for scientific analysis. The Department aims to foster researchers who are highly capable of comprehensive material-based analysis of Japanese history and culture and individuals who contribute to society with their broad and international perspectives.

Website:
http://www.rekihaku.ac.jp/english/graduate_school/index.html



Lecture utilizing museum collection.
About 230,000 of historical, folkloric and archaeological artifacts as well as advanced research facilities can be made of.

COURSES

Japanese History

Studies of Historical Materials / Studies of Source Materials and Research on Exhibits / Analytical and Information Sciences / Social History / Technological and Environmental History / Regional Cultures
Basic Seminar I • II / Intensive Lectures A • B • C

Department of Cyber Society and Culture (Termination of student recruitment)

The degree in our department will focus on clarifying the interactive relationships between media / communication technologies, and the socio-cultural aspects of human life. Students will investigate a complex set of interrelationships, which include the various influences that the development of media technologies has had on human communication, thought and action; the sociocultural changes. Students will employ research approaches which synthesize methodology and results from various related scientific fields and will have use of cutting edge technology. The program aims to bring up researchers who can open up comprehensive new spheres of inquiry in the field of media technology in its broader sense.



Augmenting a learning environment

COURSES

Cyber Society and Culture

Cyber Culture / Cyber Society / Cyber Cognitive Behavior

Department of Japanese Literature

The Department of Japanese Literature is affiliated with the National Institute of Japanese Literature (NIJL) as the parent institute. The NIJL, one of the Inter-University Research Institutes, is an advanced research institute for Japanese literature and collects and studies an enormous volume of academic information based on research of original literary materials. The Department guides students to become independent researchers through dissertation/thesis guidance and, in the use of the collection of original texts and literary resources at the NIJL, provides students with an education focusing on mastering of specialized research and investigation techniques and the acquisition of comprehensive analytic ability.

The Department aims to nurture researchers who are international-minded with broad perspectives and contribute to societies by providing students with education through systematic curriculums under a system which provides guidance to students from a group of faculty members, as well as from individual faculty members.



"Bunsho Zoshi, Collection of the National Institute of Japanese Literature"

COURSES

Department of Japanese Literature

General subjects / Literary resource research / Research on the formation of literature / Research on literary environments

TOPICS

Collaborative projects within the School of Cultural and Social Studies

The Inter-University Research Institutes affiliated with the six Departments within the School of Cultural and Social Studies possess numerous and various academic data. This project aims to develop programs that cultivate capable researchers by utilizing unique resources available from the Inter-University Research Institutes to provide training in the advanced management of academic resources through course programs at the Departments.



Academic Interdisciplinary-Communication SOKENDAI Forum 2014

School of Physical Sciences

Aiming to nurture world-class researchers with broad perspectives as well as individuals with advanced knowledge and skills who will contribute to society in the field of material-, space-, and energy-related physics and chemistry.

School of Physical Sciences

The School of Physical Sciences conducts education and research in physical sciences relating to material, space, energy, and life. The five departments that constitute the School have been located at four Inter-University Research Institutes: the Institute for Molecular Science, the National Astronomical Observatory of Japan, the National Institute for Fusion Science, and the Institute for Space and Astronautical Science. These Institutes house special and large equipment impossible for general universities to accommodate, and they have implemented a great number of large-scale and internationally advanced research projects. The School is open to many foreign researchers, including visiting faculty members, postdoctoral fellows, and students, and thus offers a highly international environment. In this excellent research environment, students experience the frontiers of physical science and devote themselves to study and research, striving to create the science of the future by themselves. The School provides a tutoring system in which at least two faculty members are assigned per student, allowing practical research with one-on-one guidance. In addition, a research assistant (RA) system has generously supported students financially and created an environment in which they can concentrate on their study and research. We hope that many motivated students will enroll in the School and grow into researchers who will play major roles in the future of physical science.



Department of Structural Molecular Science

Education and research are primarily concerned with a systematic unveiling of the static as well as dynamic properties of materials through real images of molecules and molecular assemblies deduced from detailed structural analyses. Advanced training and research are conducted in the field of structural molecular science with the use of new methods for detecting and analyzing dynamic structures, in addition to a variety of traditional spectroscopic and theoretical techniques for structural analysis.



Material properties studied by x-ray photoelectron spectroscopy
Analysis of electronic Structures and properties of air-sensitive matters using x-ray photoelectron spectrometer

Departments under the School

- Department of Structural Molecular Science
- Department of Functional Molecular Science
- Department of Astronomical Science
- Department of Fusion Science
- Department of Space and Astronautical Science



■ Nakamura, Yukio
Dean
School of Physical Sciences
Special field: Plasma Science and Engineering, Fusion Science

COURSES

Electronic Structure
Material Chemistry

Department of Functional Molecular Science

Education and research are primarily directed towards, firstly, unveiling the underlying mechanisms of various functions of materials at the atomic or molecular level, and secondly, the design and generation of new functional properties of molecules and molecular assemblies. Advanced training and research are conducted in the field of functional molecular science with an emphasis on the development of modern techniques for functional analysis and novel theoretical approaches.



Synthesis of novel organic compounds
Chemistry of buckyball molecules sumanene

COURSES

Molecular Dynamics
Excited State Dynamics

Department of Astronomical Science

The Department carries out advanced education and research through a wide range of observational and theoretical researches using state-of-the-art facilities like Subaru Telescope in Hawaii, the ALMA radio telescope in Chile, and supercomputers. According to the interest, students can learn the observational and theoretical astronomies and application of cutting-edge technology as well as the design, fabrication, and testing of new observational instruments, development of new methods of data acquisition and analysis, and public outreach.



Subaru Telescope is located on the summit of Mauna Kea, a dormant volcano on the Big Island of Hawaii.

COURSES

Optical and Near Infrared Astronomy

Ground-based astronomy / Optical and infrared telescope system / Planets / Sun, stars and interstellar matter / Galaxies and cosmology

Radio Astronomy

Ground-based astronomy / Radio telescope system / Sun, stars and interstellar matter / Galaxies

General Astronomy and Astrophysics

High-precision astronomical measurement / Astronomy from space / Data analysis and numerical simulation / Earth and planets / Sun, stars and interstellar matter / Galaxies and cosmology

Department of Fusion Science

To develop fusion power for a future energy source, it is necessary to research plasma physics through a complementary approach of both experimental and theoretical studies. In this department, students learn the experimental methodology as well as engineering requirements for investigating high temperature plasma, and also learn computer simulation techniques for revealing the nature of complicated fusion plasmas.



Large Helical Device (LHD)

COURSES

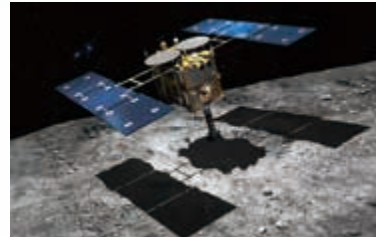
Fusion System

Device system / Research operation / Plasma heating / Diagnostics

Fusion Simulation

Plasma simulation / Particle simulation / Magneto hydrodynamic simulation

Department of Space and Astronautical Science



Asteroid explorer "Hayabusa2"
The spacecraft is touching down to a newly created crater. ©Akihiro Ikeshita

Students in this course will conduct research on space science, including basic theoretical research, educational research based on space observations, and technology development for advanced space exploration and observation systems.

These activities are supported by educational staff covering the various fields in space science and technology. Students also develop expertise in planning and developing the space projects.



The Epsilon rocket standing on the launch pad ©JAXA

COURSES

Space Exploration Science and Engineering

Space System / Space Exploration / Space Environment Science

Space Observation Science

Space Astronomy / Solar System Exploration

Space Technology

Electronic Device and telecommunication / Space Transportation Technology

School of High Energy Accelerator Science

The School of High Energy Accelerator Science provides opportunities for graduate students to carry out experimental and theoretical research on elementary particles and on materials structure and functions. The School also encourages them to engage in the research and development of novel and high performance accelerators. In addition, the School aims to foster the creative researchers who will push the frontiers of science and contribute to the good of society.

School of High Energy Accelerator Science

The School of High Energy Accelerator Science consists of three departments: the Department of Accelerator Science, the Department of Materials Structure Science, and the Department of Particle and Nuclear Physics. These departments are affiliated with the Accelerator Laboratory (and the Applied Research Laboratory), the Institute of Materials Structure Science, and the Institute of Particle and Nuclear Studies in the High Energy Accelerator Research Organization (KEK). In the Department of Particle and Nuclear Physics, accelerator based high energy physics experiments through international collaborative projects as well as advanced theoretical research are performed in order to study and understand the origin of the cosmos and the ultimate structure of matter. In the Department of Materials Structure Science, structures of hard to soft materials and their functions are studied not only from a fundamental interest but also from an application point of view. KEK develops and operates high-energy accelerators which provide various particle beams such as protons, electrons, positrons, neutrinos, X-rays, neutrons, and muons. In the Department of Accelerator Science, principles and components of the accelerator complexes are studied. The education programs are based on variety of research activities pursued by KEK, which provide wide range of graduate education for students.

Department of Accelerator Science

High-energy particle accelerators are extremely powerful tools for exploring a wide range of building blocks and structures found in nature, from elementary particles and atomic nuclei to atoms, molecules, and even complex living organisms. In addition, beyond the field of natural science, applications of particle accelerators are being actively pursued in the fields of industry and medical science. In the Department of Accelerator Science, students can conduct both theoretical and experimental research on the principles of accelerators and their related leading edge technologies, and thereby endeavor to further advance natural science through the development of particle accelerators. Closely related subjects, such as radiation science, computer science, superconductivity engineering, and mechanical engineering can also be studied.



Accelerator Test Facility

Departments under the School

- Department of Accelerator Science
- Department of Materials Structure Science
- Department of Particle and Nuclear Physics



■ Kamiyama, Takashi
Dean
School of High Energy
Accelerator Science
Special field: Neutron Diffraction

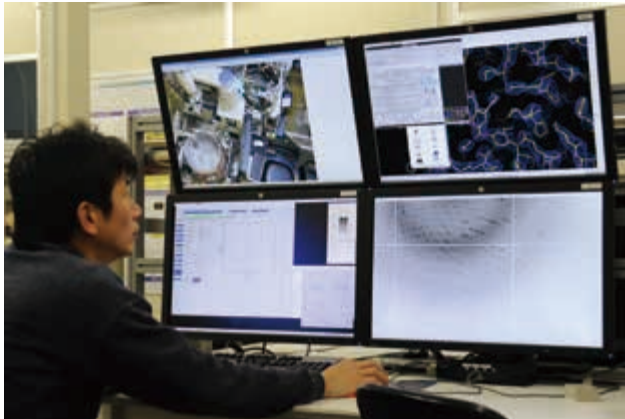
COURSES

Accelerator Science

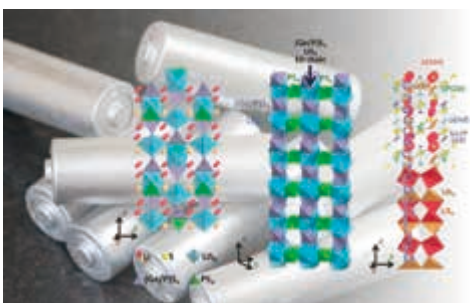
Beam physics / Beam Development / Design of Accelerator Projects / Accelerator Technology / Science of Magnetics / Science of Radio-Frequency Acceleration / Vacuum Science and Technologies / Computer Science / Radiation Science / Mechanical Engineering for Accelerator Development

Department of Materials Structure Science

At the Institute of Materials Structure Science, we pursue leading edge researches on structures, functions and characteristics of hard to soft materials. The research studies concerning physics, chemistry, biology, engineering, agriculture, and medical science are performed by the use of advanced beams such as synchrotron radiation, neutrons, muons, and slow positron, which are provided by state-of-the-art particle accelerators. We are also developing novel technologies for beam production and its utilization to make major contributions to materials science.



View of a protein crystallography end-station



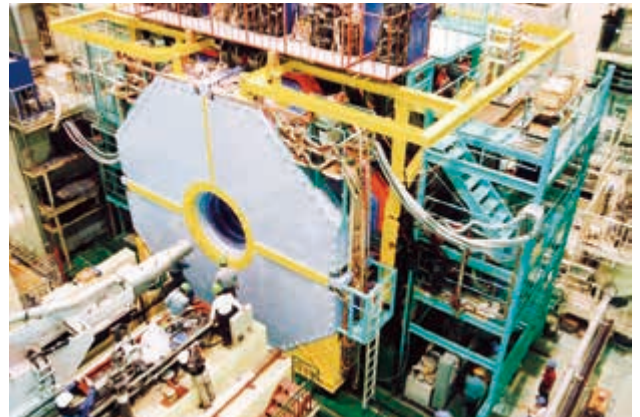
The crystal structure of the world-best lithium-ion-conducting material $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$ was determined by neutron diffraction and synchrotron radiation. (Left to right) the crystal structure of $\text{Li}_{10}\text{GeP}_2\text{S}_{12}$, its framework, the conduction paths of lithium ions are shown. Zigzag conduction pathways along the c axis are indicated.

COURSES **Materials Structure Science**
 Synchrotron Radiation Science /
 Materials Structure
 Science based on Synchrotron Radiation /
 Neutron and Muon Science

Department of Particle and Nuclear Physics

Both particle physics and nuclear physics are among the most fundamental areas of basic science, and they are the sources of new frontiers in physical concepts and methods that are the basis of modern science; these subjects involve the pursuit of the most fundamental principles of nature and the exploration of the basic structure and building blocks of matter.

In this department, we conduct both theoretical and experimental researches in particle and nuclear physics. The theoretical investigations include not only those in particle and nuclear physics but also those in cosmology and astrophysics. The experimental investigations are conducted by means of colliding beam accelerators and various beams from high-intensity proton accelerators. In addition, related research in physics, including the R&D of new devices, methods, and their applications, is pursued in a versatile manner.



Upgrade of the SuperKEKB accelerator and Belle II experiment. The operation will start within FY2015. ©KEK

COURSES **Theoretical Particle and Nuclear Physics**
 Fundamental Theories of Particle Physics / Particle Physics Phenomenology / Lattice Gauge Theory / Hadron and Nuclear Theory / Theoretical Cosmophysics

Experimental Particle and Nuclear Physics
 B Factory / Hadron Collider Energy Frontier / Lepton Collider Energy Frontier / Neutrino Physics / Kaon Rare Decay / Muon Rare Process / Muon Precision Measurement / Nuclear Physics / Physics of Short-Lived Nuclei / Neutron Fundamental Physics / Experimental Cosmophysics / Beam Dynamics / Superconductivity and Cryogenic Engineering / Particle Detection Technology

School of Multidisciplinary Sciences

The School of Multidisciplinary Sciences conducts research and education on important issues relating to changes of the Earth, environment, and human society. The School strives to cultivate researchers and highly specialized professionals in the area of information and system sciences, who will play key roles in research and/or development skills that will contribute to solving these issues.

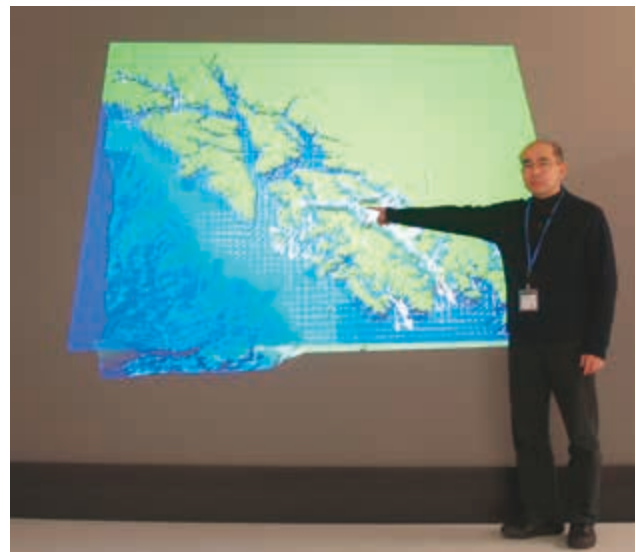
School of Multidisciplinary Sciences

The School of Multidisciplinary Science conducts research and education on complicated natural and social phenomena, as systems that govern the occurrences, functions, and interactions of these phenomena, from the comprehensive and transdisciplinary viewpoint. Through such research and educational activities, the School aims to nurture researchers and highly specialized professionals in the area of information and systems who will take the lead in academic research and address various important issues relating to changes in human society in the 21st Century. The School, consisting of the Department of Statistical Science, the Department of Polar Science, and the Department of Informatics, has been involved in multidisciplinary research fields from the beginning. In addition, the School further strives to enhance its research and education by promoting close collaboration between the Departments by, for example, setting common subjects in curricula.

The School covers diverse research subjects but studies the principles of multidisciplinary science, research approaches, and methodologies as an essential part of the School's research and education activities. The Department of Statistical Science and the Department of Informatics seek to determine the common probability or complexity among various phenomena by statistical mathematics and data analysis. The Department of Polar Science studies the geophysical and the biological complex system in the polar regions of extremes on Earth and approaches its subject from the viewpoint of multidisciplinary science. By continuing to explore new research fields, including advanced and leading research fields, and systematizing them through such activities, the School strives for further development of the multidisciplinary sciences.

Department of Statistical Science

Statistical science researches statistical models and methods for rational inference, effective prediction and discovery of new knowledge based on the effective use of data in the face of complex and uncertain phenomenon and information explosion. The Department intends to cultivate individuals who possess creative research and educational skills and contribute to solving various important intricately-intertwined issues through extraction of information and knowledge from the real world taking advantage of their skills in modeling, prediction, inference, and collection of data, while conducting research and education on their foundations, i.e., mathematics, computation, and applications.



Visualization System

Departments under the School

- Department of Statistical Science
- Department of Polar Science
- Department of Informatics



■ Kashiwagi, Nobuhisa
Dean
School of Multidisciplinary Sciences
Special field: Statistical Science

COURSES

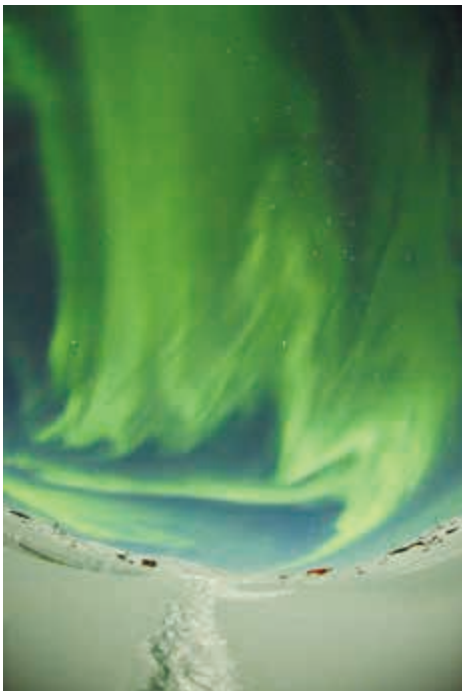
Statistical Science

Statistical Modeling / Data Science / Mathematical Analysis and Statistical Inference

Department of Polar Science

The Earth is an only one aqua-planet in the Solar system. Many kinds of organism including mankind have been living on it. When we long for sustainable development on this planet, we have to better understand evolution and change of its environments. Recently, we come to realize that environmental change of the Earth, in each aspect of ionosphere, atmosphere, hydrosphere, geosphere and biosphere, appears in advance from both polar regions. The objectives of Department of Polar Science are to study characteristics of the changes and their relation in the framework of the seamless Earth system. Polar Science stands strongly on the fieldwork; therefore we attach importance to educate or study together practical methodology to carry out the research.

We train "Earth scientists" who are creative and flexible in studying the past, current and future figure of the Earth.



The aurora australis (Photo by Hidehiko Suzuki)

COURSES

Polar Science

Space and Upper Atmospheric Sciences / Polar Meteorology and Glaciology / Polar Geoscience / Polar Bioscience

Department of Informatics

Informatics is a new science field which deals with many problems on information extensively and synthetically. It is a multidisciplinary science which covers traditional information science and engineering, as well as humanity informatics and social informatics. It includes expression, collection, circulation, management, processing and usage of information as well as the information technology (IT) for supporting them.

The Department of Informatics aims to foster researchers and highly skilled professionals with ability in broad range from foundations to practices and advanced speciality by utilizing cutting-edge research environment and cyber science infrastructure of the National Institute of Informatics in an international atmosphere with many researchers and students from various countries.



Mobile sensing for Cyber-Physical Systems
(Assoc. Prof, AIHARA Kenro)

COURSES

Informatics

Foundations of Informatics / Information Infrastructure Science / Software Science / Multimedia Information Science / Intelligent Systems Science / Information Environment Science

School of Life Science

The School of Life Science aims to cultivate researchers who are internationally competitive and possess broad perspectives necessary for taking on leading roles in the life science research of the next generation. Students participate in research to clarify life phenomena at various levels from the molecular to the individual to the population.

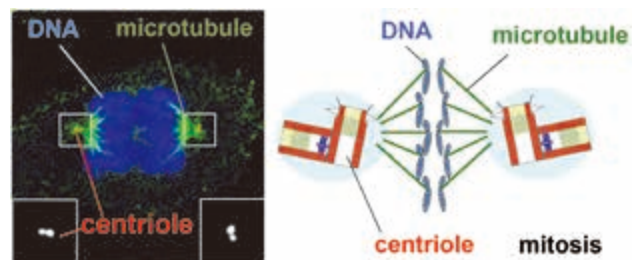
School of Life Science

The School of Life Science aims to educate researchers who are internationally extraordinary and possess creativeness and broad perspectives to explore new fields of Life Science. Professors in this school cover wide fields of Life Science from the molecular to organismal and population levels.

The School of Life Science offers graduate programs that are aimed at nurturing independent and creative researchers that expand the frontiers of life science. Three departments that constitute the School of Life Science are based on three leading research institutions — National Institute of Genetics, National Institute for Basic Biology, and National Institute for Physiological Science. Research activities of these institutes cover variable fields of Life Science and the School of Life Science aims to provide research environments in which students can learn interdisciplinary concepts as well as their own specialty. Housing the largest number of life science faculty in Japan, the School of Life Science offers a mentoring system by multiple faculty, and provides a superb environment for independent research by each student. The graduate course provides not only lectures by outstanding internal professors but also seminars on the latest research progress conducted by external researchers, educational programs for cross-disciplinary approaches, and courses on scientific writing and presentation. The three departments hold a joint retreat every year for scientific interactions and share lectures over the internet for further enhanced interactions. We welcome students who love and enjoy Life Science, and dream to open new windows into the field.

Department of Genetics

The Department of Genetics offers education and research opportunities in a variety of cutting-edge disciplines with the goal of investigating biological phenomena on the basis of genetic information. Study and research fields include molecular, cellular, developmental, behavioral, population, and evolutionary genetics, as well as genome biology and bioinformatics. Students can take advantage of a wide range of databases and genetic resources hosted by the National Institute of Genetics. To nurture independent researchers, the Department of Genetics adopts an educational philosophy that the academic guidance of each individual student is carried out by the entire faculty. For example, graduate students meet with their thesis committee twice a year to receive advice from faculty members outside their host labs. Other features of the Department include the Scientific Presentation/Writing Program and ample financial assistance opportunities such as our research assistant program.



Centrioles in a human mitotic cell.
(left) Fluorescence micrograph. Chromosomes (in blue) are stained with DAPI, centrioles (in red) and microtubules (in green) are stained with antibodies against centrin and α -tubulin, respectively.
(right) A schematic showing chromosomes (DNA), microtubules and centrioles during mitosis.

Departments under the School

- Department of Genetics
- Department of Basic Biology
- Department of Physiological Sciences



■ Hasebe, Mitsuyasu
Dean
School of Life Science
Special field: Evolutionary Biology

COURSES
Molecular and Cellular Biology
Developmental Biology
Evolutionary Biology
Genome Biology

Department of Basic Biology

The Department of Basic Biology trains researchers capable of developing innovative approaches and creative ideas to understand higher order phenomena in biological science. Students take advantage of the environment and facilities of the National Institute for Basic Biology. Students conduct a PhD research project with taking a variety of advanced classes and advices from several professors with different specialities. Research fields in this department cover cell biology, developmental biology, environmental biology, neurobiology, symbiotic biology and evolutionary biology with appropriate model organisms and top-end techniques including molecular biology, bioimaging, mathematical science and omics.



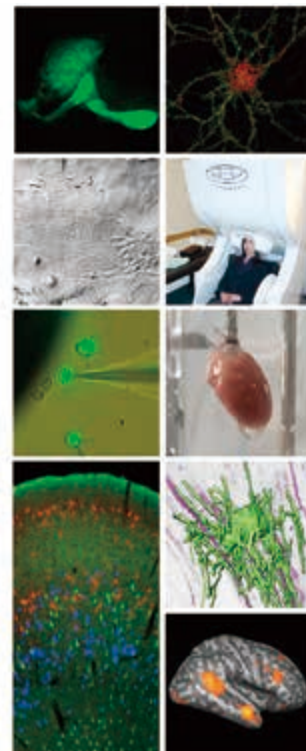
Model organisms used at Department of Basic Biology

COURSES

- Cell Biology
- Developmental Biology
- Environmental Biology
- Neurobiology
- Evolution, Diversity and Genomic Biology
- Reproductive Biology

Department of Physiological Sciences

Physiology is to clarify the mechanisms of living bodies from both elements (cells and molecules) and systems, and therefore provides important basic knowledge necessary for understanding pathological conditions. Importance of physiology has been much increased upon clarification of genome structures. In this department, students can learn the function of intact organisms in an integrated way from molecular / cellular levels as basic units of living organisms to whole body levels, and are expected to be pioneering researchers in bioscience, neuroscience and medicine.



Cells, tissues and organs which researchers in Department of Physiological Sciences are working on using different experimental procedures

COURSES

- Molecular Physiology
- Cell Physiology
- Information Physiology
- Integrative Physiology
- Cerebral Physiology
- Developmental Physiology

School of Advanced Sciences

Based on SOKENDAI's founding principles and purposes, the School aims to accomplish world-class academic research beyond the borders of conventional academic fields through interdisciplinary approaches. Additionally, we strive to develop transdisciplinary and advanced academic fields and to produce researchers who have broad perspectives and a high level of expertise that is globally competitive.

School of Advanced Sciences

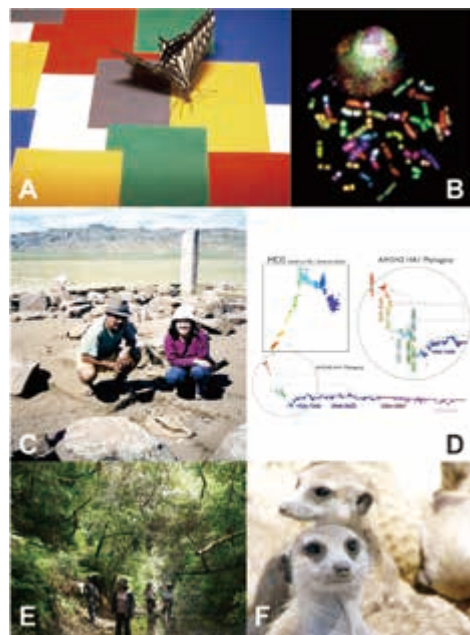
The School of Advanced Sciences was established under the main founding principles of SOKENDAI. The School offers globally orientated education for graduate students, develops new science fields, and produces frontier researchers who can work collaboratively among different fields. The School of Advanced Sciences does not imply a particular field of study, but it embodies one of the main founding principles of SOKENDAI, the pioneering of advanced academic fields through interdisciplinary approaches.

The School aims to produce "professionals with high-grade expertise" with broad perspectives and fresh viewpoints, and "people with common sense" who take care of human beings, science, and society. We also strive to establish advanced academic fields by transcending traditionally fractionalized academic fields and conducting interdisciplinary research. As an approach to achieve these goals, the School has founded the Department of Evolutionary Studies of Biosystems" in fiscal year 2007, which offers students a flexible doctoral education system: 5-year and 3-year doctoral course. Students in the Department conduct research mainly at the Hayama Campus and researches will be planned to proceed in collaboration with Inter-University Research Institutes.

Department of Evolutionary Studies of Biosystems

Over the past 3.8 billion years, millions of species appeared on the earth. We do not yet have complete understanding of the enormous diversity of the organisms. Evolution is a critical concept to understand their history and diversity and also to unify our knowledge of their biological functions at multiple levels spanning from molecules to ecosystems.

Our department offers a strong program in evolutionary studies. Students are expected to deepen their understanding of a specialized field through intensive research training. At the same time we offer courses in a wide range of biological topics as well as in science and technology studies in order to broaden students' perspectives. Through this comprehensive training program, we aim to produce scholars who would be able to contribute to international efforts to solve the challenge of various social and scientific issues in the 21st century.



- A. A swallowtail butterfly feeding on nectar on the Mondrian pattern
- B. Chromosome images with the multicolor fluorescence *in situ* hybridization (FISH) method (crab-eating monkey ; $2n = 42$)
- C. Bones of horses excavated in Mongolian remains
- D. Forecasting evolution of influenza virus by using a mathematical mode
- E. Field exercise at Morito River
- F. Meerkats form a family group and demonstrate various cooperative behaviors among related individuals.

Departments under the School

- Department of Evolutionary Studies of Biosystems



- Arikawa, Kentaro
Dean
School of Advanced Sciences
Special field: Neuroethology,
Sensory Physiology

COURSES

Major in Biology

Evolutionary biology / Theoretical biology / Behavioral biology / Integrative anthropology

Major in Science and Society

Science, technology and society



■ Hasegawa, Mariko
Acting Director of the Library
Special field: Anthropology, Behavioral Ecology

The University Library is available to the faculty and students at the Hayama Campus. Affiliated with libraries at the Inter-University Research Institutes, the Library accumulates, organizes, and offers numerous and various academic data to enable SOKENDAI to provide high-level research and education and to pioneer advanced academic fields.

The 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 Departments and Schools, as well as specialized books and journals related to studies in cutting-edge and/or interdisciplinary research fields.

It also offers e-journals and e-books for use by the faculty and students at the Inter-University Research Institutes distributed throughout Japan.

Image and video documentation materials are available through in-house facilities.

In addition, the Library offers the Graduate University for Advanced Studies 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, the world's largest bibliographic database called the "Scopus", the HRMS (High-Resolution Molecular Spectroscopy Database), a database of SOKENDAI faculty's education and research outcomes, the Sakyō Komatsu Corpus, the Jomon Shellmound Database, and the Fowl Collection.

These materials and data are offered not only to the faculty and students of SOKENDAI, but also to the public, including people in the Hayama community.

Number of academic materials available at the Library

| | | |
|----------------------------|----------------|-----------------------|
| Book : | (Japanese) | approx. 22,200 titles |
| | (Non-Japanese) | approx. 21,600 titles |
| Journal : | (Japanese) | approx. 110 titles |
| | (Non-Japanese) | approx. 270 titles |
| E-book : | | approx. 53,000 titles |
| E-journal : | | approx. 5,200 titles |
| Institutional Repository : | | approx. 4,700 titles |

As of April 1, 2015



For inquiries or information : University Library

TEL : 81-46-858-1528
FAX : 81-46-858-1607
E-mail : lib@ml.soken.ac.jp

Electronic Journals

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

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

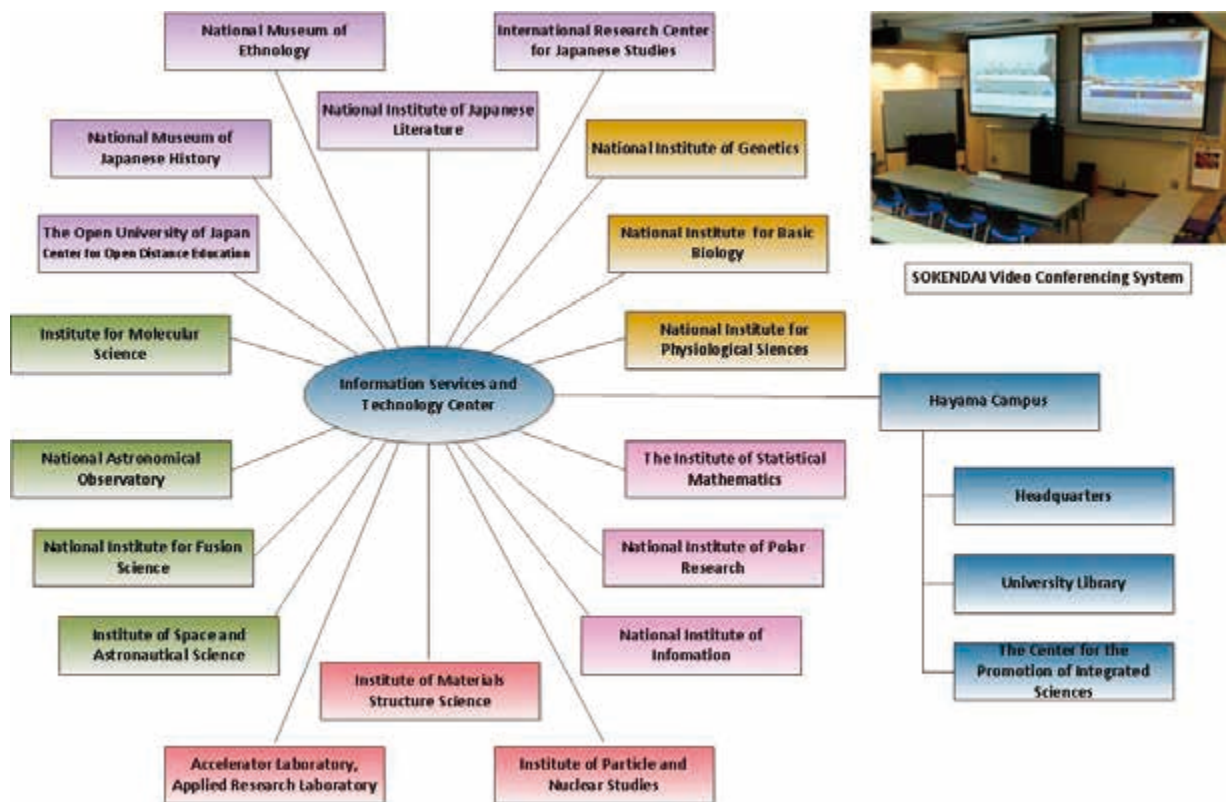
<http://www.lib.soken.ac.jp>

Information Services and Technology Center



■ Ota, Tatsuya
 Director of Information Services and Technology Center
 Special field: Molecular Evolution, Evolutionary Studies of Biosystems

Information Services and Technology Center is a recently established organization which aims at delivering secure and resilient information infrastructure, providing various information services, and supporting education, research and administration. Cooperating with the affiliated research institutes and museums, we manage core information facilities and operate information systems located at the Yokohama Data Center and the Hayama Campus.



SOKENDAI Video Conferencing System

The system connects the affiliated Inter-University Research Institutes and JAXA with the university headquarters. It facilitates teleconferencing and supports university activities.

Tele-learning Assistant System at SOKENDAI

The system promotes inter-departmental activities and supports education and research with broad and deep perspectives.

SOKENDAI Cloud Computing System

This private cloud computing system is a basic facility lately developed to promote intra-university education, academic exchange, and public relations.

For inquiries or information : Information Services and Technology Center

TEL : 81-46-858-1587
 FAX : 81-46-858-1633
 E-mail : isto@ml.soken.ac.jp

Public Relations Office

The Public Relations Office serves as a liaison that handles public relations for SOKENDAI. To promote and develop science and to disseminate excellent research results to the public, the Office communicates to the public the outcomes of education and research activities at SOKENDAI. Its public relations activities include press releases on education and research outcomes and activities toward communities, media relations, online information disclosure, organization of lectures and Science Cafes, setup of SOKENDAI's booth at symposia organized by the Inter-University Research Institutes, and planning, editing, and publication of SOKENDAI News Letters.



■ Mayama, Satoshi
 Director of the Public Relations Office
 Special field: Infrared astronomy,
 Star and planet formation

酵母から見えてきたオートファジーの世界

生物におけるオートファジーとは何なのか？
 植物から人間に至るまでありとあらゆる動物性に共通する、
 細胞の最も基本的な機能である「オートファジー」の世界についてお話しします。

クワンソウは遺伝子機能に基づいてその細胞の構成や作り、細胞内のタンパク質の合成と分解のバランスによって維持されています。遺伝子によって細胞の構成は決まっていますが、近年その細胞の重要性が次第に認識されてきています。目的の細胞の構成にはタンパク質が不可欠な役割を担っています。細胞内では、タンパク質は基本的に非選択的に分解される分解経路（リソソーム）を通じて分解されます。特定の細胞によって行われています。細胞は様々な環境の刺激に応じて、必要なタンパク質の合成と分解のバランスを調節しています。この調節の過程で細胞の構成や作りが変化し、細胞の機能や性質が変化します。オートファジーは、細胞の構成や作りを調節する重要な役割を担っています。細胞の構成や作りを調節する重要な役割を担っています。細胞の構成や作りを調節する重要な役割を担っています。

講師: 大隅 良典 (Osamu Hiroyoshi)
 慶応義塾大学 総合理工学研究所
 分子生物学部 細胞生物学研究室
 2006年 慶応義塾大学 博士
 2008年 慶応義塾大学 教授
 2011年 慶応義塾大学 特別教授
 2012年 慶応義塾大学 特別教授
 2013年 慶応義塾大学 特別教授

参加費: 500円 (送料別)

2014年7月5日(土) 午後2時~午後4時
 湘南国際村センター国際会議場 (神奈川県鎌倉市)

総合研究大学院大学
中高生のための第7回科学セミナー

「日本の宇宙科学のいまとこれから」

最新の宇宙科学の発展の現状や、今後の展望についてお話しします。

講師: 阪本 成一 (Ikemoto Seiji)
 総合研究大学院大学 宇宙科学専攻 教授

日時: 平成26年7月29日(水) 14:00~16:00
 会場: 横浜青市自然・人文博物館 講座室
 対象: 中学生・高校生/100名程度
 参加費: 無料

お申し込み: 氏名、学校名、学年、連絡先を記入して下記まで E-mail, FAX, 用紙のいずれかで申し込みください。

TEL: 046-858-1590 FAX: 046-858-1632
 E-mail: event@ml.soken.ac.jp

総合研究大学院大学
サイエンスカフェ
 2015. 7. 21 SUN 14:00~16:00

「進化がヒトに残したもの」~人間行動進化学への招待~

講師: 大槻 久 (Osaki Hisashi)
 総合研究大学院大学 教授

日時: 2015年7月21日(日) 14:00~16:00
 定員: 25名程度 (先着順)
 会場: 理科ハウス
 神奈川県鎌倉市港子2-4-8
 TEL: 046-858-1632
 http://lilchouse.com/

参加費: 500円 (送料別) 学生は半額
 参加申し込みは、お申し込みください。

お申し込み: 氏名、住所、学年、連絡先を記入して下記まで E-mail, FAX, 用紙のいずれかで申し込みください。

TEL: 046-858-1590 E-mail: event@ml.soken.ac.jp
 http://www.soken.ac.jp/
 主催: 国立大学法人 総合研究大学院大学
 後援: 慶応義塾大学

SCIENCE CAFÉ at LiCa HOUSE
 by SOKENDAI [The Graduate University for Advanced Studies]

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 大学高層ビル階層マップ

For inquiries or information :
Public Relations Office
 TEL : 81-46-858-1590
 FAX : 81-46-858-1632
 E-mail : kouhou1@ml.soken.ac.jp

The Center for the Promotion of Integrated Sciences

CPIS is a research and education facility at the heart of this multidisciplinary university, and its central aims are to promote free and open academic interactions across various academic disciplines and to pioneer interdisciplinary and cutting-edge fields of academic research. The center's current programs focus on the following three aspects of research and education activities.

The details of each projects can be found on our web-site:

<http://cpis.soken.ac.jp/>



■ Hirata, Kohji

Director of the Center for the Promotion of Integrated Sciences
Special field: STS (Science, Technology and Society),
Theoretical Physics,
Beam Physics

1 The Programs for Multidisciplinary Coordination in Education

The programs promote educational activities which draw on both science and the humanities and which equip young researchers with the comprehensive visions for science and society.

- (1) Planning and conducting cross-field lecture series
- (2) Support for planning and conducting cross-field lecture series
- (3) Promotion of 'Science and Society' projects
- (4) Other education-related activities

2 The Programs for Multidisciplinary Coordination in Research

The programs set the cross-disciplinary collaboration across various departments for university-wide research activities, and also design and support various joint-research projects.

- (1) Management of cross-disciplinary joint-research projects
- (2) Design and promotion for interdisciplinary coordination in research
- (3) Financial support for academic publication
- (4) Other research-related activities

3 The Programs for Infrastructural Development

The programs provide and improve the infrastructure for interdepartmental activities and other research and educational collaborations across the university.

- (1) Development of academic communication projects and academic exchange networks
- (2) Provision of distance learning support
- (3) Other activities concerning infrastructural development



For inquiries or information :
The Center for the Promotion of Integrated Sciences

TEL : 81-46-858-1629, 1657

FAX : 81-46-858-1632

E-mail : cpis-office@ml.soken.ac.jp

The Programs for Multidisciplinary Coordination in Education

◎SOKENDAI Lectures for the 2014 fiscal year

Theme: International Communication Program
In charge: Iwase, Mineyo (The Center for the Promotion of Integrated Science)
Date: June 11 - 13, 2014
Venue: SOKENDAI Hayama Campus

Theme: The Methods of Studying Japanese History C
- What is Museum ? -2014
In charge: Muraki, Jiro (Department of Japanese History, School of Cultural and Social Studies)
Date: July 23-25, 2014
Venue: National Museum of Japanese History

Theme: The methods of studying Japanese history B
- field research in FY 2014 -
In charge: Shibasaki, Shigemitsu (Department of Japanese History, School of Cultural and Social Studies)
Date: July, 26 - 28, 2014
Venue: Kagoshima University, Yakushima Island

Theme: The methods of studying Japanese history A
- objects research in FY 2014 -
In Charge: Okubo, Jun'ichi (Department of Japanese History, School of Cultural and Social Studies)
Date: July 30 - August 1, 2014
Venue: National Museum of Japanese History

Theme: Workshop Design Lecture
In Charge: Okumoto, Motoko (The Center for the Promotion of Integrated Sciences)
Date: August 8 - 10, 2014
Venue: SOKENDAI Hayama Campus, Manazuru Hanto

Theme: Science Communications
In Charge: Mayama, Satoshi (The Center for the Promotion of Integrated Sciences)
Date: August 11 - 13, 2014
Venue: National Astronomical Observatory of Japan, NOBEYAMA

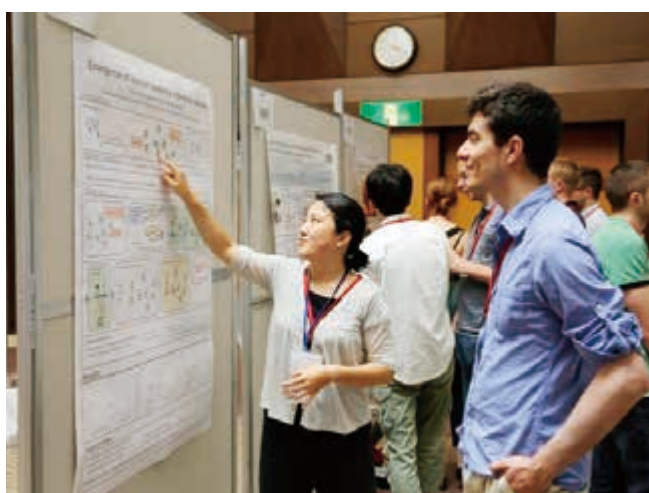
Theme: Film-making on Natural and Human Science 2014
In Charge: Kubo, Masatoshi (Department of Regional Studies, School of Cultural and Social Studies)
Date: August 27 - 30, 2014
October 18, 2014
Venue: Togakushi Museum of Natural History, National Museum of Ethnology

Theme: Ethics of science & Technology and intellectual property rights 1
In Charge: Kodama, Haruo (Department of Cyber Society and Culture, School of Cultural and Social Studies)
Date: September 1 - 3, 2014
Venue: The Open University of Japan

Theme: Social Literacy for Researcher
In Charge: Hirata, Kohji and Shineha, Ryuma (Department of Evolutionary Studies of Biosystems, School of Advanced Sciences)
Date: September 2 - 4, 2014
Venue: National Institute for Physiological Sciences

Theme: Collection management science (basics)
In Charge: Sonoda, Naoko (Department of Comparative Studies, School of Cultural and Social Studies)
Date: October 27 - 29, 2014
Venue: National Museum of Ethnology

Theme: Archives College 2014
In Charge: Watanabe, Koichi (Department of Japanese Literature, School of Cultural and Social Studies)
Date: November 10 - 15, 2014
Venue: Fukuoka City Museum



◎2014 UST-SOKENDAI Joint Seminar on Computational Sciences

Computational sciences are now widely applied in various fields in science, including astronomical and fusion sciences, materials and molecular sciences, and biological sciences. The goal of this seminar is to strengthen students' understanding of the current status of the computational sciences.

In charge: Hirata, Kohji (The Center for the Promotion of Integrated Sciences)
Date: July 29 - August 1, 2014
Venue: UST, Daejeon, Korea



◎Short-Stay Study Abroad Program

This program is supported by a grant from the University that enables students to take part in international joint research projects.

It provides students opportunities to study at cutting-edge research institutes abroad and to pursue in-depth study with a number of prominent researchers.

It aims at fostering highly specialized world-class researchers who have global perspectives.

Students are able to gauge the positioning of their own research and forge friendships and make exchanges with new colleagues.

■ FY 2014

Number of students supported by this program: 5

Countries and regions of visiting institutes:

UK, Switzerland, USA, Taiwan



◎Science and Society

SOKENDAI has been leading a program to develop graduate education in "science and society." Since the university's primary mission is to train professionals who have leading expertise as well as broader perspectives, we hope our young scientists develop abilities to grasp science as part of social activities and to think critically about social dimensions of scientific practice including social implications and impacts of research activities and infrastructure supporting scientific research. Therefore the center promotes the education program designing and providing a "science and society" course as well as workshops to discuss various issues pertinent to a specialized field of science.

◎ SOKENDAI Freshman Week

This program is composed of two seminars; "Student Seminar" and "Freshman Course". The "Student Seminar" planned/organized by the Student Seminar Committee consisting of current students provides a good opportunity to interact with faculty members and students from other departments and schools, while an intensive orientation seminar "Freshman Course" addresses the philosophy of SOKENDAI and provides guidelines for living a fulfilling student life.

■ 2014 fiscal year (First semester)

Date: April 7-10, 2014

Venues: SOKENDAI Hayama Campus

Participants: 85 students, 29 faculty members and 15 lecturers (129 participants)



■ 2014 fiscal year (Second semester)

Date: October 7-12, 2014

Venues: SOKENDAI Hayama Campus

Participants: 32 students, 20 faculty members and 6 lecturers (58 participants)



◎ Academic Exchange Sessions

SOKENDAI organizes Academic Exchange Sessions. Graduates in each special field from around the world are invited to make presentations on their latest research. The session provides graduates, current students, and faculty members with the opportunity to make new acquaintances and form new academic and research networks; the sessions contribute both to the enhancement of their research abilities and to academic progress in each field.

■ 2014 fiscal year

Date: March 23-24, 2015

Venue: SOKENDAI Hayama Campus

Participants: 6 Invited Graduates, 37 Faculty Members, 13 Graduates, 2 Candidates, 4 Current Students (62 participants)



◎ JSPS Summer Program

The objective of this program is to inject an international element into the education at the University and to promote academic exchange with other countries. SOKENDAI provides an orientation session during the first week of the program at the Hayama campus. It comprises Japanese language lessons, special lectures on Japanese culture and research, and a poster session in which SOKENDAI students will also participate to exchange ideas and opinions with JSPS Summer Program fellows from all over the world. Under the program young pre- and post-doctoral researchers from academically-advanced countries are invited to the University with the collaboration of inter-university research institutes and other universities. This program, which is supported by JSPS, provides guest researchers with an opportunity to experience Japanese research and education.

■ Opening Ceremony and Orientation

Date: June 11-17, 2014
Venues: Shonan Village Center

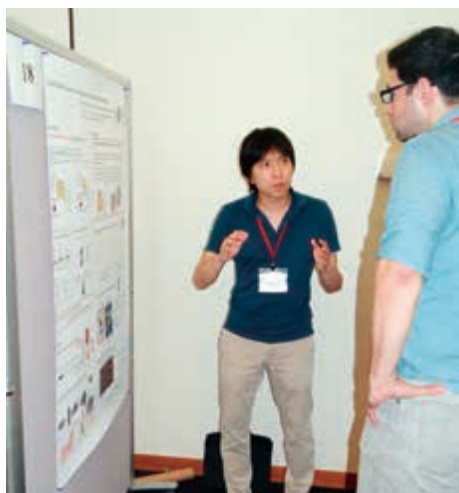
■ Research Report Presentation and Farewell Party

Date: August 19, 2014
Venues: Hotel Grand Palace (Tokyo)

■ Research Experience at Host Institutions

Date: June 18-August 18, 2014
Venues: IURIs, Universities

| Invited researchers for the 2009 fiscal year | | Invited researchers for the 2010 fiscal year | | Invited researchers for the 2011 fiscal year | | Invited researchers for the 2012 fiscal year | | Invited researchers for the 2013 fiscal year | | Invited researchers for the 2014 fiscal year | |
|--|-----|--|-----|--|----|--|-----|--|-----|--|-----|
| U S A | 63 | U S A | 64 | U S A | 64 | U S A | 64 | U S A | 65 | U S A | 66 |
| U K | 10 | U K | 10 | U K | 9 | U K | 12 | U K | 17 | U K | 13 |
| France | 13 | France | 13 | France | 11 | France | 10 | France | 9 | France | 13 |
| Germany | 14 | Germany | 13 | Germany | 9 | Germany | 14 | Germany | 19 | Germany | 13 |
| Canada | 15 | Canada | 14 | Canada | 6 | Canada | 9 | Canada | 3 | Canada | 0 |
| | | | | | | | | | | Sweden | 11 |
| T o t a l | 115 | T o t a l | 114 | T o t a l | 99 | T o t a l | 109 | T o t a l | 113 | T o t a l | 116 |



International Communication Course

A short course for students who want to learn how to make a poster presentation in international meetings. They can learn how to make posters, how to present quickly and how to discuss with audiences. Students actually participate in the poster session during JSPS Summer Program.

The Programs for Multidisciplinary Coordination in Research

Under the Programs for Multidisciplinary Coordination in Research, CPIS has launched several kinds of new initiatives and schemes to encourage creative and multidisciplinary research activities, which greatly benefit from the institutional architecture of SOKENDAI, i.e. the close affiliation with the leading national research institutions across Japan. The current initiatives and schemes take the form of a joint-research grant, a proposal for cross-disciplinary research coordination, and a publication support fund. As the joint-research grants, CPIS supported the total of 15 research projects in 2014. The principle investigators of these projects presented their progress at the Annual Symposium for Integrated Research, which is designed to promote the integration of the research community within SOKENDAI as much as in wider academic communities in Japan.



◎ The Initiative for Strategic Research Projects

The Initiative for Strategic Research Projects aims to collect new ideas for cutting-edge research across SOKENDAI and to promote them as the themes for a grand research project representing the entire research community at the university. Such themes are expected to form the core of both research and educational activities at SOKENDAI, and they necessarily share the vision of integrating science, social science, and humanities all together.

◎ The Scheme for Interdisciplinary Research for Young Researchers

The Scheme for Interdisciplinary Research for Young Researchers aims to promote interdisciplinary collaboration across various departments at SOKENDAI and to provide the research environment in which young scholars can utilize their creative talent and carry out ambitious research. This scheme is also intended for the researchers who could not help interrupting their research due to such as childbirth, upbringing, disease, or injury. With the support of this scheme, young scholars may conduct a new research project or prepare for a future application for a cooperative research grant. In 2014, this scheme is to be replaced with a new program.

◎ The Global Collaborative Research Project

In this program, fostering comprehensive researchers who have a high level of expertise, wide perspective, and who are internationally viable, deepening the bond with graduates, and leading to strengthen the formation of the Graduate University for the Advanced Studies' academic exchange by having our university students and graduates participate in the cross-cutting research subjects in this program and collaborative researches opened at home and abroad are also the goals of this project. Contributing to the opportunity for diligent research in the international collaborative researches and research exchange for the students and young faculties of our university by having the researchers from overseas research institutes participate in the collaborative researches will be evaluated.

◎ The Interdisciplinary Research Project

We actively provide support for the proposal of the collaborative research aimed at promoting/strengthening the inter-infrastructural majors having different graduate courses and institutions (such as inter-university research institutes, corporations, etc., including the Japan Aerospace Exploration Agency and the Open University of Japan) and creating new academic disciplines, the proposal of different field cooperating type of collaborative research, and the research subject for which the outcome with social significance is expected.

◎ The Proposal for Interdisciplinary Research Coordination

In order to design and propose an interdisciplinary research coordination as representative research projects at SOKENDAI, the planning meeting for the interdisciplinary research coordination was held by many participants from various departments. In the fiscal year 2014, the meeting was held three times and while having an intensive discussion on various research seeds, it aims at making an interdisciplinary research theme develop into a workshop or joint research.

◎ The Paper Publishing Cost Assistance

The publishing cost support of the printing expenses up to 100,000 yen per affair was carried out for about the academic paper which was a result of the research activities (From 2015 the cost support has been changed up to 200,000 yen per affair). This support is applicable only for the students who belong to SOKENDAI. Total 11 affairs were supported in the fiscal year 2014.

| | Department | Authors | Title | Publication |
|----|------------------------------------|--|---|---|
| 1 | Informatics | Tarnoi, Saran / Kumwilaisak, Wuttipong / Saengudomlert, Poompat / Ji, Yusheng / Kuo, C-C Jay | QoS-aware routing for heterogeneous layered unicast transmissions in wireless mesh networks with cooperative network coding | EURASIP Journal on Wireless Communications and Networking |
| 2 | Physiological Sciences | Ohkawa, Toshika / Satake, Shin'Ichiro / Yokoi, Norihiko / Fukata, Yuko / Fukata, Masaki | Identification and Characterization of GABA Receptor Autoantibodies in Autoimmune Encephalitis | The Journal of Neuroscience |
| 3 | Astronomical Science | Min, Cheulhong / Honma, Mareki / Shibata, M. Katsunori / Hirota, Tomoya / Matsumoto, Naoko | Accurate parallax measurement toward the symbiotic star R Aquarii | Publications of the Astronomical Society of Japan |
| 4 | Informatics | Machida, Shimon / Kajiyama, Tomoko / Shimada, Shigeru / Echizen, Isao | Settings of Access Control by Detecting Sensitive Data Leaks in SNS | IPJS Journal |
| 5 | Polar Science | Matsuda, S.Takashi / Nakamura, Takuji / Ejiri, K. Mitsumu / Tsutsumi, Masaki | New statistical analysis of the horizontal phase velocity distribution of gravity waves observed by airglow imaging | Journal of Geophysical Research : Atmospheres |
| 6 | Evolutionary Studies of Biosystems | Kawashima, Ayaka / Satta, Yoko | Substrate-Dependent Evolution of Cytochrome P450: Rapid Turnover of the Detoxification-Type and Conservation of the Biosynthesis-Type | PLOS ONE |
| 7 | Basic Biology | Wanglar, Chimwar / Takahashi, Jun / Yabe, Taijiro / Takada, Shinji | Tbx protein level critical for clock-mediated somite positioning is regulated through interaction between Tbx and Ripply | PLOS ONE |
| 8 | Genetics | Iwata, Ryohei / Iwasato, Takuji | RacGAP alpha2-chimaerin function in development adjusts cognitive ability in adulthood | Cell Reports |
| 9 | Informatics | NGUYEN-SON, Hoang-Quoc / Echizen, Isao | Anonymizing Personal Text Messages Posted in Online Social Networks and Detecting Disclosures of Personal Information | IEICE TRANSACTIONS on Information and Systems |
| 10 | Physiological Sciences | Kurganov, Erkin / Zhou, Yiming / Saito, Shigeru / Tominaga, Makoto | Heat and AITC activate green anole TRPA1 in a membrane-delimited manner | European Journal of Physiology |
| 11 | Basic Biology | Fukushima, Kenji / Kawaguchi, Masayoshi / Hasebe, Mitsuyasu | Oriented cell division shapes carnivorous pitcher leaves of <i>Sarracenia purpurea</i> | Nature Communications |

The Programs for Infrastructural Development

◎ All-SOKENDAI Academic Network

This program aims at creating "All-SOKENDAI Academic Network" in which our graduates enjoy academic exchange with SOKENDAI faculty and students towards closer inter-disciplinary and international cooperation among SOKENDAI community and all the members jointly contribute to further development of SOKENDAI education and research activities through their enthusiastic collaborations.

Follow-up of network membership also leads to our graduates activity survey which is vital for self-evaluation and endeavor for quality assurance of our superb post-graduate education. Moreover, the network facilitates support information exchanges through mutually beneficial cooperation between SOKENDAI and alumni and linkage of human network with broader sense of identity.

As an ICT infrastructure to this network, we have a virtual portal site "SOKENDAI-Anet" and also a campus community site "SOKENDAI Square" to develop a unified SOKENDAI world that integrates department-, school- and region-based sub-networks and to enhance the SOKENDAI community's relationship to society through our creative partnership.

◎ Promotion of Interdisciplinary Communication

To support inter-department research, education programs, and communication at SOKENDAI, we visit all the departments and prepare a report on each activity. In order to develop our university network, we use our official website, YouTube, and newsletters to share information about our interdisciplinary activities.

We provide the following information on our website:

1) Activity report about CPIS projects

Our website covers activity reports about interdisciplinary lectures, planning meetings of SOKENDAI research projects, student-initiated interdisciplinary educational programs, and other CPIS projects along with images.

2) Public relations for faculties and students using video contents

To inform faculty members and students about CPIS projects, we provide video content on interdisciplinary lectures, planning meetings of SOKENDAI research projects, student-initiated interdisciplinary educational programs, and other projects through YouTube.

3) Interactive bulletin board for researchers

This webpage is for researchers who have some idea about interdisciplinary research. Researchers can use the webpage to seek research partners.

4) Message from new Ph.D. holders

To promote the formation of student and intergenerational network, photos of new Ph.D. holders along with write-ups about their vision or advice for younger students are posted on the CPIS website.

5) CPIS blog

The CPIS blog promotes the interdisciplinary activities of faculties and students, interdisciplinary lectures, planning meetings of SOKENDAI research projects, student-initiated interdisciplinary educational programs, and other projects.

◎ Distance Learning Support

CPIS aids the faculty of SOKENDAI in transmitting educational content for distance learning. We have researched the current conditions of use of TELAS, a real-time interactive class system developed by SOKENDAI in 2014, and intend to use TELAS to support the CPIS lecture in 2015. We promote our inter-departmental education through ICT.

Society and Community Outreach Activities

University Evaluation

With the aim of improving education and research, SOKENDAI has implemented a self-inspection and evaluation system for its educational and research activities. In addition, third parties assess the results of the self-inspection and evaluation to identify problems to be solved or improved.

- “External evaluation of the School of Advanced Sciences” (November, 2004 / January, 2013)
- “Third-party evaluation on the Office for Inter-departmental Activities” (March, 2007)
- “Certified Evaluation and Accreditation” (March, 2008 / March, 2014)

SOKENDAI was evaluated by the National institution for Academic Degrees and University Evaluation, NIAD-UE, according to its University Evaluation Standards. SOKENDAI was accredited with the rating that it fulfills the University Evaluation Standards set by NIAD-UE.

- “National University Corporation Evaluation (Annual plan and mid-term plan)” (March, 2009 / November, 2014)

For inquiries or information : Planning Section
TEL : 81-46-858-1584 FAX : 81-46-858-1542 E-mail : irdiv@ml.soken.ac.jp

Community Programs

With the aims of making broadly available to general society the accumulated research findings of the University, opening up the University to the public and deepening interchanges with the local community, we proudly participate in the “Shonan Village Festival” in Shonan Village, which is home to the Hayama Campus. In addition, we jointly sponsor Science Cafes with the Kanagawa International Foundation. Moreover, we also sponsor Science Cafes in Hayama Town.

■ 2014 fiscal year

◇ Shonan Village Festival

- Lecture: “The vision of cichlid fish from African Great Lakes: resent study and field work in Africa”
Terai, Yohei (Assistant Professor at the School of Advanced Sciences)
- Science Cafe: “Communicating Science”
- Stargazing Session: “Enjoying the Spring Night Sky”
Date: May 3, 2014

◇ Science Cafe

- “The World of Autophagy Seen through Yeast”
Ohsumi, Yoshinori (Emeritus Professor at SOKENDAI)
Date: July 5, 2014

◇ Science Seminar for Junior High and High School Students

- “Japan’s Space Science Now and Hereafter”
Sakamoto, Seiichi (Professor at the Department of Space and Astronautical Science)
Date: July 29, 2014

◇ Science Cafe

- “What evolution left to us - an introduction to evolutionary studies of human behavior”
Ohtsuki, Hisashi (Assistant Professor at the School of Advanced Sciences)
Date: February 1, 2015

For inquiries or information : General Affairs Division, Public Relations Office
TEL : 81-46-858-1500,1590 FAX : 81-46-858-1542,1632

Academic Lectures hosted by the School of Advanced Sciences

From various on-going studies, the School selects themes relating to “light and evolution” and organizes academic lectures that deliver findings from cutting edge research to the general public and help to create deeper communication with people in the local communities.

■ The 17th Academic lecture for FY 2014

- Lectures: The barn swallow in love: mate choice by multiple criteria and trait evolution.
Hasegawa, Masaru (Research Fellow of School of Advanced Sciences, SOKENDAI)
- Lectures: Influenza epidemic in Tokyo metropolitan area: which station and commute pathway is dangerous?
Yashima, Kenta (Research Fellow of School of Advanced Sciences, SOKENDAI)
Date: November 3, 2014

For inquiries or information : Hayama Office
TEL : 81-46-858-1577, 1595 FAX : 81-46-858-1544
E-mail : office_sendou@ml.soken.ac.jp



Academic Staff

(As of April 1, 2015)

| Category | | Member of the Board | Professor | Associate Professor | Lecture | Assistant Professor | Others | Secretariat | Total |
|---|------------------------------------|---------------------|-----------|---------------------|---------|---------------------|--------|-------------|----------|
| President | | 1 | | | | | | | 1 |
| Executive Director | | 3 | | | | | | | 3 |
| Auditor | | 2 | | | | | | | 2 |
| Vice President | | (1) | | | | | | | (1) |
| Presidential Aide | | | (3) | | | | | | (3) |
| School of Cultural and Social Studies | Regional Studies | | 13 | 10 | | | | | 23 |
| | Comparative Studies | | 12 | 10 | | | | | 22 |
| | Japanese Studies | | 17 | 5 | | | | | 22 |
| | Japanese History | | 18 | 15 | | | | | 33 |
| | Cyber Society and Culture | | 10 | 3 | | | | | 13 |
| | Japanese Literature | | 15 | 9 | | | | | 24 |
| | Subtotal | | 85 | 52 | | | | | 137 |
| School of Physical Sciences | Structural Molecular Science | | 7 | 8 | | 17 | | | 32 |
| | Functional Molecular Science | | 9 | 7 | | 18 | | | 34 |
| | Astronomical Science | | 24 | 30 | (1) | 40 | | | 94 (1) |
| | Fusion Science | | 27 | 21 | | 14 | | | 62 |
| | Space and Astronautical Science | | 15 | 40 | | 28 | | | 83 |
| | Subtotal | | 82 | 106 | (1) | 117 | | | 305(1) |
| School of High Energy Accelerator Science | Accelerator Science | | 58 | 55 | 17 | 54 | | | 184 |
| | Materials Structure Science | | 20 | 19 | 7 | 10 | | | 56 |
| | Particle and Nuclear Physics | | 31 | 32 | 24 | 20 | | | 107 |
| | Subtotal | | 109 | 106 | 48 | 84 | | | 347 |
| School of Multidisciplinary Sciences | Statistical Science | | 19 | 21 | | 7 | | | 47 |
| | Polar Science | | 12 | 20 | | 20 | | | 52 |
| | Informatics | | 30 | 29 | | 9 | | | 68 |
| | Subtotal | | 61 | 70 | | 36 | | | 167 |
| School of Life Science | Genetics | | 22 | 15 | | 30 | | | 67 |
| | Basic Biology | | 11 | 15 | | 36 | | | 62 |
| | Physiological Sciences | | 16 | 19 | | 33 | | | 68 |
| | Subtotal | | 49 | 49 | | 99 | | | 197 |
| School of Advanced Sciences | Evolutionary studies of Biosystems | | 5 | 5 | 4 | 8 | 13 | | 35 |
| | Subtotal | | 5 | 5 | 4 | 8 | 13 | | 35 |
| The Center for the Promotion of Integrated Sciences | | | 1(1) | (2) | (2) | 3 | | | 4(5) |
| Information Services and Technology Center | | | | (1) | | 1 | | | 1(1) |
| Secretariat etc. | | | | | | | | 39 | 40 |
| Total | | 6 (1) | 392(4) | 388(3) | 53(4) | 348 | 13 | 39 | 1239(12) |

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

Students

(As of May 1, 2015)

| School | Department | Quota | | 1st year | | 2nd year | | 3rd year | | 4th year | | 5th year | | Total | | | | | | | |
|---|------------------------------------|-----------------|----------------|----------|----------------|----------|----------------|----------|----------------|----------|----------------|----------|----------------|--------|----------------|-----|----|----|-----|-----|-----|
| | | Doctoral Course | | Female | Int'l Students | Female | Int'l Students | Female | Int'l Students | Female | Int'l Students | Female | Int'l Students | Female | Int'l Students | | | | | | |
| | | 5-year | 3-year | | | | | | | | | | | | | | | | | | |
| School of Cultural and Social Studies | Regional Studies | | 3 | | | | | 2 | 1 | 1 | 3 | 1 | 1 | 7 | 2 | 4 | 12 | 4 | 6 | | |
| | Comparative Studies | | 3 | | | | | 4 | 4 | 1 | 5 | 2 | 2 | 7 | 5 | 1 | 16 | 11 | 4 | | |
| | Japanese Studies | | 3 | | | | | 4 | 4 | 0 | 4 | 2 | 1 | 10 | 5 | 4 | 18 | 11 | 5 | | |
| | Japanese History | | 3 | | | | | 2 | 1 | 0 | 2 | 1 | 1 | 5 | 2 | 0 | 9 | 4 | 1 | | |
| | Cyber Society and Culture | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 2 | 2 | 0 | | |
| | Japanese Literature | | 3 | | | | | 1 | 1 | 0 | 1 | 1 | 0 | 6 | 6 | 1 | 8 | 8 | 1 | | |
| | Subtotal | | 15 | | | | | 13 | 11 | 2 | 15 | 7 | 5 | 37 | 22 | 10 | 65 | 40 | 17 | | |
| School of Physical Sciences | Structural Molecular Science | 2 | 3 | 3 | 1 | 0 | 4 | 0 | 0 | 10 | 5 | 5 | 0 | 1 | 4 | 0 | 3 | 26 | 6 | 9 | |
| | Functional Molecular Science | 2 | 3 | 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 5 | 4 | 4 | 1 | 1 | 11 | 5 | 5 | |
| | Astronomical Science | 2 | 3 | 5 | 1 | 0 | 2 | 1 | 0 | 9 | 2 | 2 | 8 | 2 | 0 | 8 | 3 | 4 | 32 | 9 | 6 |
| | Fusion Science | 2 | 3 | 1 | 0 | 0 | 3 | 0 | 0 | 4 | 0 | 3 | 6 | 1 | 3 | 3 | 1 | 3 | 17 | 2 | 9 |
| | Space and Astronautical Science | 2 | 3 | 2 | 0 | 0 | 6 | 1 | 2 | 3 | 1 | 0 | 7 | 0 | 0 | 7 | 2 | 1 | 25 | 4 | 3 |
| | Subtotal | 10 | 15 | 14 | 2 | 0 | 16 | 2 | 2 | 27 | 8 | 10 | 31 | 7 | 8 | 23 | 7 | 12 | 111 | 26 | 32 |
| School of High Energy Accelerator Science | Accelerator Science | 2 | ※ ² | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 2 | 3 | 0 | 0 | 1 | 0 | 1 | 7 | 1 | 3 | |
| | Materials Structure Science | 3 | ※ ² | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 2 | 2 | 0 | 4 | 3 | 0 | |
| | Particle and Nuclear Physics | 4 | ※ ² | 10 | 1 | 0 | 5 | 2 | 1 | 7 | 0 | 1 | 8 | 0 | 1 | 9 | 0 | 1 | 39 | 3 | 4 |
| | Subtotal | 9 | — | 11 | 1 | 0 | 5 | 2 | 1 | 9 | 1 | 3 | 13 | 1 | 1 | 12 | 2 | 2 | 50 | 7 | 7 |
| School of Multidisciplinary Sciences | Statistical Science | 2 | 3 | 1 | 0 | 0 | 1 | 0 | 0 | 5 | 2 | 0 | 9 | 2 | 1 | 12 | 1 | 1 | 28 | 5 | 2 |
| | Polar Science | 2 | 1 | 5 | 1 | 0 | 1 | 0 | 0 | 4 | 3 | 0 | 6 | 2 | 0 | 6 | 2 | 0 | 22 | 8 | 0 |
| | Informatics | 4 | 6 | 7 | 0 | 4 | 4 | 1 | 4 | 14 | 2 | 10 | 18 | 1 | 9 | 36 | 3 | 18 | 79 | 7 | 45 |
| | Subtotal | 8 | 10 | 13 | 1 | 4 | 6 | 1 | 4 | 23 | 7 | 10 | 33 | 5 | 10 | 54 | 6 | 19 | 129 | 20 | 47 |
| School of Life Science | Genetics | 3 | 6 | 5 | 1 | 1 | 5 | 3 | 2 | 12 | 4 | 4 | 8 | 1 | 2 | 11 | 5 | 5 | 41 | 14 | 14 |
| | Basic Biology | 3 | 6 | 2 | 1 | 0 | 8 | 4 | 0 | 12 | 6 | 3 | 4 | 1 | 0 | 16 | 10 | 2 | 42 | 22 | 5 |
| | Physiological Sciences | 3 | 6 | 4 | 2 | 3 | 1 | 0 | 0 | 7 | 2 | 0 | 11 | 5 | 4 | 18 | 7 | 3 | 41 | 16 | 10 |
| | Subtotal | 9 | 18 | 11 | 4 | 4 | 14 | 7 | 2 | 31 | 12 | 7 | 23 | 7 | 6 | 45 | 22 | 10 | 124 | 52 | 29 |
| School of Advanced Sciences | Evolutionary Studies of Biosystems | 5 | 1 | 3 | 0 | 0 | 3 | 2 | 2 | 8 | 6 | 0 | 1 | 0 | 0 | 16 | 9 | 0 | 31 | 17 | 2 |
| | Subtotal | 5 | 1 | 3 | 0 | 0 | 3 | 2 | 2 | 8 | 6 | 0 | 1 | 0 | 0 | 16 | 9 | 0 | 31 | 17 | 2 |
| Total | | 41 | 59 | 52 | 8 | 8 | 44 | 14 | 11 | 111 | 45 | 32 | 116 | 27 | 30 | 187 | 68 | 53 | 510 | 162 | 134 |

※¹ The number of female students and international students is included in the total.

※² The School of High Energy Accelerator Science does not have a specific quota of admission but gives examinations.

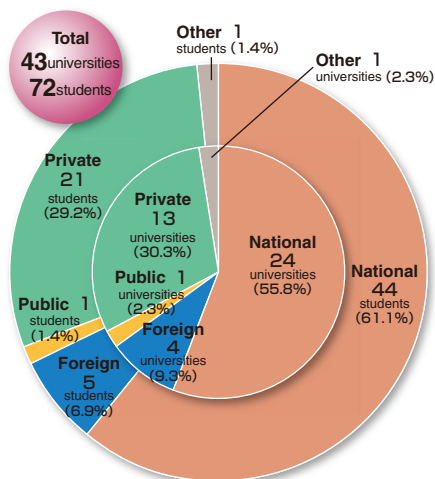
Matriculation Admission of the 2015 fiscal year

(As of April 1, 2015)

| School | Department | Quota | Applicant | Passer | Admitted Students | Background | | | |
|---|------------------------------------|---------|-----------|---------|-------------------|------------|--------|------------------------|-----------|
| | | | | | | Gender | | International Students | Jobholder |
| | | | | | | Male | Female | | |
| School of Cultural and Social Studies | Regional Studies | — (3) | (8) | (2) | (2) | (1) | (1) | (1) | |
| | Comparative Studies | — (3) | (7) | (4) | (4) | | (4) | (1) | |
| | Japanese Studies | — (3) | (9) | (4) | (4) | | (4) | | |
| | Japanese History | — (3) | (4) | (2) | (2) | (1) | (1) | | (1) |
| | Japanese Literature | — (3) | (4) | (2) | (1) | | (1) | | |
| | Subtotal | — (15) | (32) | (14) | (13) | (2) | (11) | (2) | (1) |
| School of Physical Sciences | Structural Molecular Science | 2 (3) | 5 (4) | 3 (3) | 3 (2) | 2 (2) | 1 | (1) | |
| | Functional Molecular Science | 2 (3) | 5 (1) | 3 (1) | 3 (1) | 3 (1) | | | |
| | Astronomical Science | 2 (3) | 23 (9) | 8 (2) | 5 (2) | 4 (1) | 1 (1) | | |
| | Fusion Science | 2 (3) | 3 | 2 | 1 | 1 | | | |
| | Space and Astronautical Science | 2 (3) | 7 (1) | 5 (1) | 2 (1) | 2 | (1) | | |
| | Subtotal | 10 (15) | 43 (15) | 21 (7) | 14 (6) | 12 (4) | 2 (2) | (1) | |
| School of High Energy Accelerator Science | Accelerator Science | 2 (※) | 7 | 4 | 1 | 1 | | | |
| | Materials Structure Science | 3 (※) | 1 | 1 | | | | | |
| | Particle and Nuclear Physics | 4 (※) | 36 (2) | 18 (2) | 10 (2) | 9 (2) | 1 | | |
| | Subtotal | 9 | 44 (2) | 23 (2) | 11 (2) | 10 (2) | 1 | | |
| School of Multidisciplinary Sciences | Statistical Science | 2 (3) | 7 (3) | 2 (1) | (1) | | (1) | | (1) |
| | Polar Science | 2 (1) | 10 (2) | 5 (1) | 5 (1) | 4 (1) | 1 | | 1 |
| | Informatics | 4 (6) | 6 (8) | 4 (3) | 2 (2) | 2 (2) | | (1) | |
| | Subtotal | 8 (10) | 23 (13) | 11 (5) | 7 (4) | 6 (3) | 1 (1) | (1) | 1 (1) |
| School of Life Science | Genetics | 3 (6) | 10 (4) | 3 (3) | 3 (3) | 3 (2) | (1) | | |
| | Basic Biology | 3 (6) | 7 | 4 | 2 | 1 | 1 | | |
| | Physiological Sciences | 3 (6) | 4 (3) | 2 (3) | 1 (3) | 1 (3) | | | |
| | Subtotal | 9 (18) | 21 (7) | 9 (6) | 6 (6) | 5 (5) | 1 (1) | | |
| School of Advanced Sciences | Evolutionary Studies of Biosystems | 5 (1) | 5 (1) | 4 | 3 | 3 | | | |
| | Subtotal | 5 (1) | 5 (1) | 4 | 3 | 3 | | | |
| Total | | 41 (59) | 136 (70) | 68 (34) | 41 (31) | 36 (16) | 5 (15) | (4) | 1 (2) |

() 3-year Doctoral Course (not included in the total) .
※ A few people.

Admission of the 2015 fiscal year



Japanese National Universities

| | |
|--|---|
| Hokkaido University | 2 |
| Tohoku University | 3 |
| Yamagata University | 1 |
| Ibaraki University | 2 |
| Tsukuba University | 5 |
| Tsukuba University of Technology | 1 |
| Saitama University | 1 |
| Chiba University | 1 |
| The University of Tokyo | 6 |
| Tokyo University of Agriculture and Technology | 2 |
| Tokyo Institute of Technology | 1 |
| Ochanomizu University | 1 |
| Shinshu University | 2 |
| University of Toyama | 1 |
| Gifu University | 1 |
| Shizuoka University | 1 |
| Nagoya University | 1 |
| Mie University | 1 |
| Kyoto University | 3 |
| Kobe University | 2 |
| Nara Women's University | 1 |
| Yamaguchi University | 1 |
| Kyushu University | 3 |
| Kagoshima University | 1 |

Japanese Public Universities

| | |
|-----------------------------|---|
| Osaka Prefecture University | 1 |
|-----------------------------|---|

Japanese Private Universities

| | |
|-----------------------------|---|
| Gakushuin University | 1 |
| Kitasato University | 1 |
| Kyoto Bunkyo University | 1 |
| Soka University | 1 |
| Chuo University | 1 |
| Tokai University | 1 |
| Tokyo University of Science | 6 |
| Doshisha University | 2 |
| Toho University | 1 |
| Meiji University | 2 |
| Rikkyo University | 1 |
| Ritsumeikan University | 1 |
| Waseda University | 2 |

Foreign Universities

| | |
|--|---|
| Hanoi University of Science and Technology | 1 |
| Shanghai Jiao Tong University | 1 |
| Sun Yat-sen University | 2 |
| University College London | 1 |

Others

| | |
|-------------------------------------|---|
| Nara National College of Technology | 1 |
|-------------------------------------|---|

Degrees Awarded

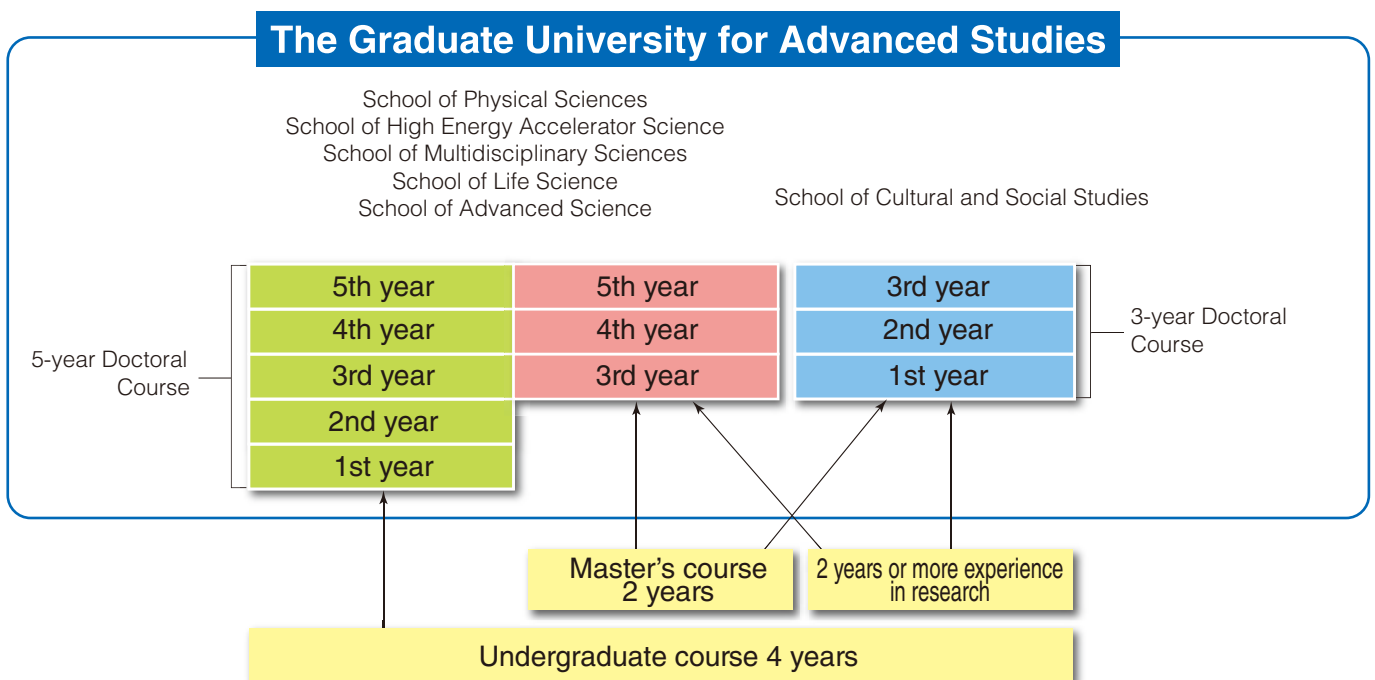
(As of April 1, 2015)

| School | Quota | Field | For the period of 1991~2009 | '10 | '11 | '12 | '13 | '14 | Total |
|---|---------------|---------------------|-----------------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------------|
| School of Cultural and Social Studies | (15) | Literature | 65 [11] (33) | 14 [6] (2) | 7 [2] (1) | 7 [2] (4) | 3 (1) | 5 [4] (2) | 101 [25] (43) |
| | | Philosophy | 51 [7] (18) | 1 [1] (2) | 3 (1) | 3 [1] (4) | 4 [1] (4) | 6 [2] (2) | 68 [12] (31) |
| School of Physical Sciences | 10(15) | Philosophy | 52 [0] (11) | 1 | 2 | 3 | 0 | 0 | 58 [0] (11) |
| | | Science | 298 [11] (32) | 12 | 13 | 13 [2] | 19 | 11 (3) | 366 [13] (35) |
| | | Engineering | 43 [1] (15) | 5 | 7 | 6 | 7 [1] | 4 [2] (1) | 72 [4] (16) |
| School of High Energy Accelerator Science | 9(※) | Philosophy | 22 [0] (8) | 0 | 0 | 1 [1] | 0 (1) | 0 | 23 [1] (9) |
| | | Science | 109 [3] (11) | 6 (1) | 12 | 12 (1) | 5 | 8 | 152 [3] (13) |
| | | Engineering | 38 [0] (19) | 1 (1) | 1 (1) | 3 | 1 | 3 | 47 [0] (21) |
| School of Multidisciplinary Sciences | 8(10) | Statistical Science | 15 [1] (1) | 4 (1) | 2 | 1 (1) | 1 | 4 [1] | 27 [2] (3) |
| | | Philosophy | 64 [4] (10) | 2 | 3 | 4 | 5 | 2 | 80 [4] (10) |
| | | Science | 44 [0] (6) | 2 | 2 | 2 | 2 | 2 | 54 [0] (6) |
| | | Informatics | 56 [2] (0) | 8 [1] | 12 [1] | 10 [1] | 9 [1] | 10 [1] | 105 [7] (0) |
| School of Life Science | 9(18) | Philosophy | 34 [1] (2) | 0 | 0 | 0 | 1 | 0 | 35 [1] (2) |
| | | Science | 409 [19] (33) | 23 [3] (1) | 18 (1) | 21 [1] | 18 [2] (1) | 23 [2] (1) | 512 [27] (37) |
| | | Medical Science | 8 [0] (0) | 0 | 0 | 0 | 1 | 0 | 9 [0] (0) |
| School of Advanced Sciences | 5(1) | Philosophy | 13 [4] (0) | 1 [1] | 1 | 0 (1) | 0 | 0 | 15 [5] (1) |
| | | Science | 38 [5] (2) | 1 [1] | 3 | 3 [1] | 2 | 1 | 48 [7] (2) |
| | | Engineering | 5 [1] (0) | 0 | 0 | 0 | 0 | 0 | 5 [1] (0) |
| Total | 41(59) | | 1364 [70] (201) | 81 [13] (8) | 86 [3] (4) | 89 [9] (11) | 78 [5] (7) | 79 [12] (9) | 1777 [112] (240) |

※1 The quota of admission is the one in FY 2014. (The figures in parentheses is the quota of 3-year doctoral course. The School of High Energy Accelerator Science does not have a specific quota of admission but accepts only a few students.)
 ※2 (): Figures of those who were granted the Ph.D. by way of Dissertation (not included in the total).
 ※3 [] : Figures of those who were granted the Ph.D. within a specified time after leaving the university.
 ※4 The School of Physical Sciences, the School of High Energy Accelerator Science, and the School of Multidisciplinary Sciences were formed from the former School of Mathematical and Physical Science on March 31, 2004.

Requirements for completion of the Ph.D. course

Students are required to be enrolled in SOKENDAI for more than 3 years (five-year course students are required to be enrolled for more than 5 years), earn necessary credits prescribed at each department, take necessary research guidance for a doctoral thesis, and pass an examination for a doctoral thesis. Students who are recognized to have achieved great performance, can graduate in shorter term.



Postgraduate Career Tracking / Profile

Positions held by Graduates (10years)

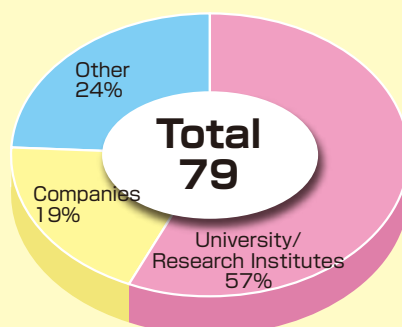
(As of April 10, 2015)

| Type of employment \ Fiscal year | '05 | '06 | '07 | '08 | '09 | '10 | '11 | '12 | '13 | '14 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Found employment in Research Institutes | 61 | 76 | 61 | 52 | 68 | 55 | 65 | 52 | 53 | 45 |
| Found employment in companies / Corporations | 7 | 10 | 10 | 9 | 12 | 12 | 8 | 14 | 9 | 15 |
| Seeking further education/ Others | 26 | 16 | 28 | 23 | 19 | 14 | 12 | 23 | 16 | 19 |
| Total | 94 | 102 | 99 | 84 | 99 | 81 | 85 | 89 | 78 | 79 |

Postgraduate Career Tracking / Profile of the 2014 fiscal year

Found Employment in Research Institutes

| | |
|--|---|
| National Museum of Ethnology | 1 |
| National Astronomical Observatory | 1 |
| National Institute for Fusion Science | 1 |
| Institute of Space and Astronautical Science | 2 |
| High Energy Accelerator Research Organization | 2 |
| National Institute of Polar Research | 1 |
| National Institute of Informatics | 4 |
| National Institute of Genetics | 3 |
| National Institute of Basic Biology | 3 |
| National Institute for Physiological Sciences | 4 |
| RIKEN | 1 |
| National Institute of Advanced Industrial Science and Technology | 1 |
| Nara National Research Institute for Cultural Properties | 1 |
| Faculty of Science, Hokkaido University | 1 |
| Tohoku University | 1 |
| Nara Prefectural University | 1 |
| Akita University | 1 |
| University of Tsukuba | 1 |
| Institute for Cosmic Ray Research, University of Tokyo | 1 |
| Tokyo Institute of Technology | 1 |
| Shinshu University | 1 |



| | |
|---|---|
| Kyushu University | 1 |
| Waseda University | 1 |
| Liberal Arts Education Center, Sapporo Campus, Tokai University | 1 |
| Laboratoire d'Annecy-le-Vieux de Physique Theorique | 1 |
| Institute for Plasma Research | 1 |
| Hefei Institutes of Physical Science, Chinese Academy of Sciences | 1 |
| Deutsches Elektronen-Synchrotron | 1 |
| Rajshahi University | 1 |
| Department of Psychiatry, University of Toronto | 1 |
| University of Tübingen | 1 |
| University of Colorado Denver, Anschutz Medical Campus | 1 |

Thu Dau Mot University 1
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Found Employment in Companies/Corporations

| | |
|--------------------------------------|---|
| Sam Toyoshima Laboratory Co., Ltd. | 1 |
| Fujitsu Laboratories LTD. | 1 |
| Works Applications Co., LTD. | 2 |
| Brain Child Inc. | 1 |
| Soiku Co., LTD. | 1 |
| Advance Technology Co., Ltd. | 1 |
| Mitsubishi Electric Corporation | 1 |
| NEC Corporation | 1 |
| DAIICHI SANKYO COMPANY, LIMITED | 1 |
| Mitsubishi Tanabe Pharma Corporation | 1 |
| SECOM CO., LTD. | 1 |
| WDB Co., Ltd. | 1 |
| TAIHO PHARMACEUTICAL CO., LTD. | 1 |
| Funakoshi Co., Ltd. | 1 |

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Seeking further education / Other

| | |
|---------------------------|----|
| Jiyu Gakuen | 1 |
| Shizuoka Cancer Center | 1 |
| Ainosato Animal Hospital | 1 |
| Osaka University Hospital | 1 |
| Undecided | 15 |

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International Exchange

Number of International Students by Department

(As of May 1, 2015)

| School | Department | Quota | | 1st year | | 2nd year | | 3rd year (1st year**) | | 4th year (2nd year**) | | 5th year (3rd year**) | | Subtotal | | Research Student | | | | | | | | |
|---|------------------------------------|----------|--------|----------|----|----------|----|-----------------------|----|-----------------------|----|-----------------------|----|----------|----|------------------|----|----|-----|----|----|----|---|---|
| | | Doctoral | Course | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | | | | | | | |
| | | 5-year | 3-year | | | | | | | | | | | | | | | | | | | | | |
| School of Cultural and Social Studies | Regional Studies | | 3 | | | | | 1 | 1 | | | 4 | 2 | 6 | 3 | 0 | 1 | 1 | 1 | | | | | |
| | Comparative Studies | | 3 | | | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 1 | | | | |
| | Japanese Studies | | 3 | | | | | | | | 1 | | 4 | 3 | 5 | 3 | 1 | 4 | 3 | | | | | |
| | Japanese History | | 3 | | | | | | | | 1 | | | | 1 | 0 | 0 | | | | | | | |
| | Cyber Society and Culture | | 0 | | | | | | | | | | | | 0 | 0 | 0 | | | | | | | |
| | Japanese Literature | | 3 | | | | | | | | | | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | | | | |
| | Subtotal | 0 | 15 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | 5 | 1 | 1 | 10 | 7 | 0 | 17 | 10 | 2 | 7 | 6 | 3 | | |
| School of Physical Sciences | Structural Molecular Science | 2 | 3 | | | | | | 5 | 3 | | | | 3 | | | 9 | 3 | 0 | | | | | |
| | Functional Molecular Science | 2 | 3 | | | | | | | | 4 | 3 | 1 | 1 | 1 | | 5 | 4 | 1 | | | | | |
| | Astronomical Science | 2 | 3 | | | | | 2 | | | | | | 4 | | 1 | 6 | 0 | 1 | 2 | | 1 | | |
| | Fusion Science | 2 | 3 | | | | | | 3 | | 3 | 3 | 1 | | 3 | 1 | 1 | 9 | 2 | 4 | | | | |
| | Space and Astronomical Science | 2 | 3 | | | | 2 | | 2 | | | | | 1 | | | 1 | 3 | 0 | 3 | | | | |
| | Subtotal | 10 | 15 | 0 | 0 | 0 | 2 | 0 | 2 | 10 | 3 | 3 | 8 | 4 | 1 | 12 | 2 | 3 | 32 | 9 | 9 | 2 | 1 | |
| School of High Energy Accelerator Science | Accelerator Science | 2 | A few | | | | | | 2 | 1 | | | | 1 | | | 3 | 1 | 0 | | | | | |
| | Materials Structure Science | 3 | A few | | | | | | | | | | | | | | 0 | 0 | 0 | | | | | |
| | Particle and Nuclear Physics | 4 | A few | | | 1 | 1 | | 1 | | 1 | 1 | 1 | | | | 4 | 1 | 1 | | | | | |
| | Subtotal | 9 | — | 0 | 0 | 0 | 1 | 1 | 0 | 3 | 1 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 7 | 2 | 1 | | | |
| School of Multidisciplinary Sciences | Statistical Science | 2 | 3 | | | | | | | | 1 | 1 | 1 | 1 | | | 2 | 1 | 1 | | | | | |
| | Polar Science | 2 | 1 | | | | | | | | | | | | | | 0 | 0 | 0 | | | | | |
| | Informatics | 4 | 6 | 4 | | 3 | 4 | 1 | 2 | 10 | 1 | 3 | 9 | 1 | 3 | 18 | 1 | 4 | 45 | 4 | 15 | 2 | 1 | |
| | Subtotal | 8 | 10 | 4 | 0 | 3 | 4 | 1 | 2 | 10 | 1 | 3 | 10 | 2 | 4 | 19 | 1 | 4 | 47 | 5 | 16 | 2 | 1 | |
| School of Life Science | Genetics | 3 | 6 | 1 | | 1 | 2 | 1 | | 4 | 2 | 1 | 2 | 1 | 2 | 5 | 2 | 3 | 14 | 6 | 7 | 1 | 1 | |
| | Basic Biology | 3 | 6 | | | | | | | 3 | 1 | 3 | | | | 2 | 1 | 1 | 5 | 2 | 4 | | | |
| | Physiological Sciences | 3 | 6 | 3 | 2 | 3 | | | | | | | 4 | 3 | 1 | 3 | 2 | 2 | 10 | 7 | 6 | | | |
| | Subtotal | 9 | 18 | 4 | 2 | 4 | 2 | 1 | 0 | 7 | 3 | 4 | 6 | 4 | 3 | 10 | 5 | 6 | 29 | 15 | 17 | 1 | 1 | |
| School of Advanced Sciences | Evolutionary Studies of Biosystems | 5 | 1 | | | | 2 | 2 | 1 | | | | | | | | 2 | 2 | 1 | | | | | |
| | Subtotal | 5 | 1 | 0 | 0 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1 | | | | |
| | Total | 41 | 59 | 8 | 2 | 7 | 11 | 5 | 5 | 32 | 10 | 11 | 30 | 11 | 10 | 53 | 15 | 13 | 134 | 43 | 46 | 12 | 7 | 6 |

*1 Female Students in Total *2 Monbukagakusho Scholarship Students in Total ** The year of a 3-year doctoral course.

Number of International Students

(As of May 1, 2015)

| Country | 1st year | | 2nd year | | 3rd year (1st year**) | | 4th year (2nd year**) | | 5th year (3rd year**) | | Subtotal | | Research Student | | | | | | | | |
|---------------------------------|----------|----|----------|----|-----------------------|----|-----------------------|----|-----------------------|----|----------|----|------------------|----|----|-----|----|----|----|---|---|
| | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | *1 | *2 | | | | | | | |
| Asia | 7 | 2 | 6 | 9 | 5 | 3 | 28 | 9 | 9 | 26 | 11 | 8 | 43 | 14 | 8 | 113 | 41 | 34 | 12 | 7 | 6 |
| India | 1 | | 1 | | | | 3 | 1 | | 4 | 3 | 2 | 2 | 1 | 1 | 10 | 5 | 4 | | | |
| Indonesia | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | | 1 | | 1 | 1 | 1 | 1 | 7 | 4 | 5 | | | |
| Singapore | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | 1 | | | |
| Sri Lanka | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Thailand | 2 | 1 | 2 | 1 | | 1 | 5 | 1 | 3 | 2 | 1 | 1 | 5 | | | 15 | 3 | 7 | | | |
| Bangladesh | | | | | | | | | | 1 | | 1 | 1 | | | 2 | 0 | 1 | | | |
| Philippines | | | | 1 | | | | | | | | | | | | 1 | 0 | 0 | 1 | 1 | 1 |
| Viet Nam | 1 | | 1 | 2 | 2 | | 3 | 1 | 1 | 1 | | | 4 | | 1 | 11 | 3 | 3 | 1 | | 1 |
| Malaysia | | | | | | | | | | | | | 2 | | 1 | 2 | 0 | 1 | | | |
| Korea | | | | | | | 1 | | | 1 | | | 4 | 2 | 1 | 6 | 2 | 1 | | | |
| China | 2 | | 1 | 1 | 1 | | 14 | 5 | 5 | 12 | 4 | 2 | 21 | 8 | 2 | 50 | 18 | 10 | 10 | 6 | 4 |
| Taiwan | | | | 2 | 1 | | | | | 3 | 2 | | 2 | 1 | | 7 | 4 | 0 | | | |
| Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 2 | 0 | 2 | 4 | 0 | 3 | | | |
| Algeria | | | | | | | | | | | | | 1 | | 1 | 1 | 0 | 1 | | | |
| Sudan | | | | | | | | | | 1 | | 1 | | | | 1 | 0 | 1 | | | |
| Tunisia | | | | | | | | | | 1 | | | | | | 1 | 0 | 0 | | | |
| Nigeria | | | | | | | | | | | | | 1 | | 1 | 1 | 0 | 1 | | | |
| Pacific | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | | | |
| Australia | | | | | | | | | | | | | 1 | | | 1 | 0 | 0 | | | |
| New Zealand | | | | 1 | | 1 | | | | | | | | | | 1 | 0 | 1 | | | |
| Europe | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 4 | 0 | 1 | 7 | 0 | 2 | | | |
| Spain | | | | | | | | | | 1 | | 1 | | | | 1 | 0 | 1 | | | |
| France | | | | | | | 1 | | | | | | 3 | | | 4 | 0 | 0 | | | |
| Uzbekistan | | | | | | | | | | 1 | | | | | | 1 | 0 | 0 | | | |
| Latvia | | | | | | | | | | | | | 1 | | 1 | 1 | 0 | 1 | | | |
| Middle East | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 0 | 2 | | | |
| Iran | | | | | | | 1 | | 1 | | | | 1 | | | 2 | 0 | 1 | | | |
| Turkey | | | | 1 | | 1 | | | | | | | | | | 1 | 0 | 1 | | | |
| Latin America and the Caribbean | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 2 | 3 | 2 | 3 | | | |
| Ecuador | | | | | | | 1 | 1 | 1 | | | | | | | 1 | 1 | 1 | | | |
| Brazil | | | | | | | | | | | | | 1 | | 1 | 1 | 0 | 1 | | | |
| Peru | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| North America | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | | | |
| USA | 1 | | 1 | | | | 1 | | | | | | | | | 2 | 0 | 1 | | | |
| Total | 8 | 2 | 7 | 11 | 5 | 5 | 32 | 10 | 11 | 30 | 11 | 10 | 53 | 15 | 13 | 134 | 43 | 46 | | | |

*1 Female Students in Total *2 Monbukagakusho Scholarship Students in Total ** The year of a 3-year doctoral course.

International Exchange Agreements

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

Academic Agreement with Foreign Institutions

| University [Country] Department | Corresponding Department | Contents | Date of Agreement | Validity |
|--|-----------------------------|--------------------------------------|------------------------------------|-------------------|
| University of Science and Technology [Korea] | All Schools | Exchange of students and researchers | May 25, 2005 May 25, 2010 | May 24, 2015 |
| University of Bayreuth [Germany] | All Schools | Exchange of students and researchers | October 9, 2009 October 9, 2012 | October 8, 2017 |
| Chulalongkorn University [Thailand] Faculty of Science | School of Physical Sciences | Exchange of students and researchers | April 1, 2010 | March 23, 2020 |
| The Fourth Military Medical University [China] School of Preclinic Medicine | School of Life Science | Exchange of students and researchers | December 16, 2010 | December 15, 2015 |
| Kasetsart University [Thailand] Faculty of Science | School of Physical Sciences | Exchange of students and researchers | March 29, 2011 | March 28, 2016 |
| Indian Institute of Science Education and Research PUNE [India] | School of Life Science | Exchange of students and researchers | April 18, 2011 | April 17, 2016 |
| Asian Institute of Technology [Thailand] | All Schools* | Exchange of students and researchers | January 19, 2012 | January 18, 2017 |
| National Taiwan University [Taiwan] College of Bioresources and Agriculture | School of Advanced Sciences | Exchange of students and researchers | May 7, 2012 | May 6, 2017 |
| Mahidol University [Thailand] Faculty of Science | School of Physical Sciences | Exchange of students and researchers | March 20, 2014 | March 19, 2019 |
| Nanyang Technological University [Singapore] College of Science | School of Physical Sciences | Exchange of students and researchers | March 20, 2014 | March 19, 2019 |
| University of Malaya [Malaysia] Faculty of Science | School of Physical Sciences | Exchange of students and researchers | March 24, 2014 | March 23, 2019 |

*Memorandum of Agreement concerning the dual doctoral degree program between School of Engineering and Technology, AIT and Department of Informatics, the School of Multidisciplinary Sciences, SOKENDAI

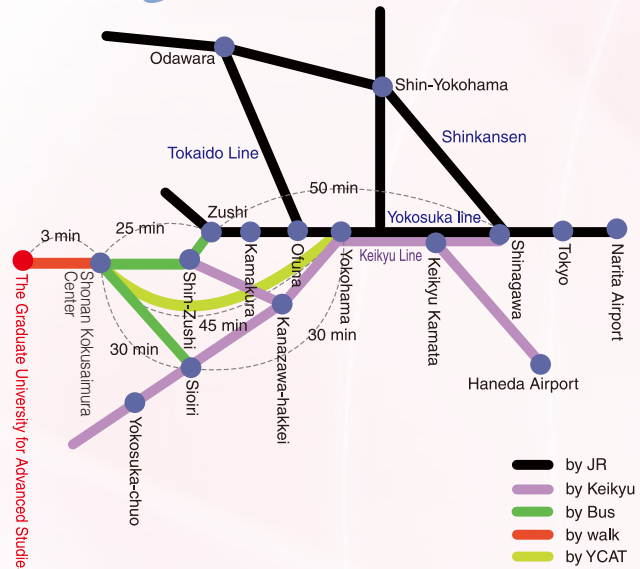
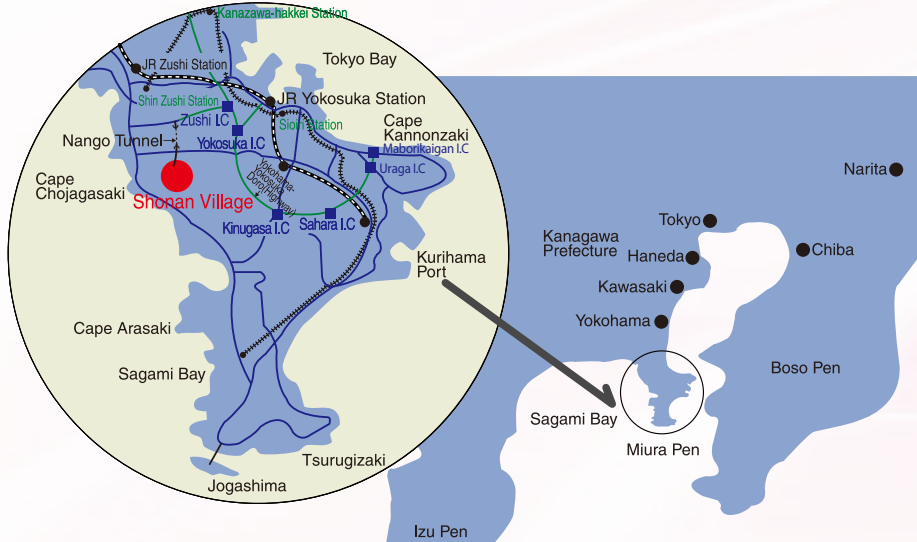
Academic Agreement with Domestic Institutions

| University / Institute | The Graduate University for Advanced Studies | Contents | Date of Agreement |
|--|--|--------------------------------------|-------------------|
| Tokyo Institute of Technology Graduate School of Engineering / Information Science and Engineering / Decision Science and Technology | All Schools | Exchange of students | April 3, 1995 |
| Tokyo Institute of Technology Graduate School of Bioscience and Biotechnology / Interdisciplinary Graduate School of Science and Technology | All Schools | Exchange of students and researchers | March 20, 2002 |
| Ochanomizu University All Schools | All Schools | Exchange of students | April 3, 1995 |
| Nagoya University Graduate School of Medicine | Department of Physiological Sciences of School of Life Science | Exchange of students | April 3, 1995 |
| Nagoya University Graduate School of Engineering | School of Physical Sciences | Exchange of students | April 1, 2010 |
| University of Tokyo Graduate School of Science | School of Physical Sciences / High Energy Accelerator Sciences / Multidisciplinary Sciences | Exchange of students | March 27, 1998 |
| University of Tokyo Graduate School of Information Science and Technology | School of Physical Sciences / High Energy Accelerator Sciences / Multidisciplinary Sciences / Life Science / Advanced Sciences | Exchange of students | March 27, 1998 |
| International Christian University Graduate School of Arts and Science | All Schools | Exchange of students | March 24, 2000 |
| Kyoto University Graduate School of Asian and African Area Studies | Department of Regional Studies / Comparative Studies of School of Cultural and Social Studies | Exchange of students | April 1, 2005 |
| Osaka University Graduate School of Human Sciences | Department of Regional Studies / Comparative Studies of School of Cultural and Social Studies | Exchange of students | April 1, 2005 |
| Kobe University Graduate School of Intercultural Studies / Human Development and Environment | Department of Regional Studies / Comparative Studies of School of Cultural and Social Studies | Exchange of students | April 1, 2005 |
| Kyoto Bunkyo University Graduate School of Anthropology | Department of Regional Studies / Comparative Studies of School of Cultural and Social Studies | Exchange of students | April 1, 2005 |
| Chiba University Graduate School of Humanities and Social Sciences | Department of Japanese History / Japanese Literature of School of Cultural and Social Studies | Exchange of students | April 1, 2005 |
| Chiba University Graduate School of Science | School of Physical Sciences | Exchange of students | April 1, 2010 |
| Japan Advanced Institute of Science and Technology School of Information Science | Department of Informatics of School of Multidisciplinary Sciences | Exchange of students | April 1, 2009 |
| Tsuda College Graduate Program in Mathematics and Computer Science | School of Multidisciplinary Science | Exchange of students | April 1, 2015 |
| Waseda University School of Fundamental Science and Engineering | School of Multidisciplinary Science | Exchange of students | April 1, 2015 |



National University
SOKENDAI
 The Graduate University for Advanced Studies
 Shonan Village, Hayama, Kanagawa 240-0193 Japan
 Tel. 81-46-858-1500 / Fax. 81-46-858-1542
<http://www.soken.ac.jp/>

Access (Hayama Campus)



● Access by train or bus

- Zushi Station of JR Yokosuka Line (East Exit)
 - ▶ Take Keiikyu Bus No. 16 or 26 bound for "Shonan Kokusaimura" on Track # 1 and get off at "Shonan Kokusaimura Center Mae." Approx. 25 min. Cost: 350 yen.
 - ▶ Take Keiikyu Bus bound for "Shonan Sajima Nagisa No Oka" on Track # 2 and get off at "Shonan Kokusaimura Makado-sawa Choseichi." Approx. 20 min. Cost: 330 yen.
- Shin Zushi Station of Keiikyu Zushi Line (South Exit)
 - ▶ Take Keiikyu Bus No. 16 or 26 bound for "Shonan Kokusaimura" on Track # 1 and get off at "Shonan Kokusaimura Center Mae." Approx. 23 min. Cost: 350 yen.
 - ▶ Take Keiikyu Bus bound for "Shonan Sajima Nagisa No Oka" on Track # 1 and get off at "Shonan Kokusaimura Makado-sawa Choseichi." Approx. 18 min. Cost: 330 yen.
- Shioiri Station of Keiikyu Line
 - ▶ Take Keiikyu Bus No. 16 bound for "Shonan Kokusaimura" on Track # 2 and get off at "Shonan Kokusaimura Center Mae." Approx. 30 min. Cost: 380 yen.
- YCAT
 - ▶ Take a bus bound for "Denryoku Chuo Kenkyujo" (For Yokosuka West Side) on Track # 6 of Yokohama City Air Terminal and get off at "Shonan Kokusaimura Center Mae." Approx. 45 min. Cost: 920 yen.
 - (Note) 3-minute walk from "Shonan Kokusaimura Center Mae" or 10-minute walk from "Shonan Kokusaimura Makado-sawa Choseichi" to the University.

● Access by car

- Zushi Interchange of Yokohama-Yokosuka Road (toll way)
 - After going out of the exit of Zuyo-Shindo Route (toll way), turn left at the first intersection. Through the Nango Tunnel, go straight on the street for about 5 minutes. Then, turn left at the "Shonan Kokusaimura Center Iriguchi" intersection and keep driving for about 1 minute to the University.