

# KYOTO UNIVERSITY

2017–2018



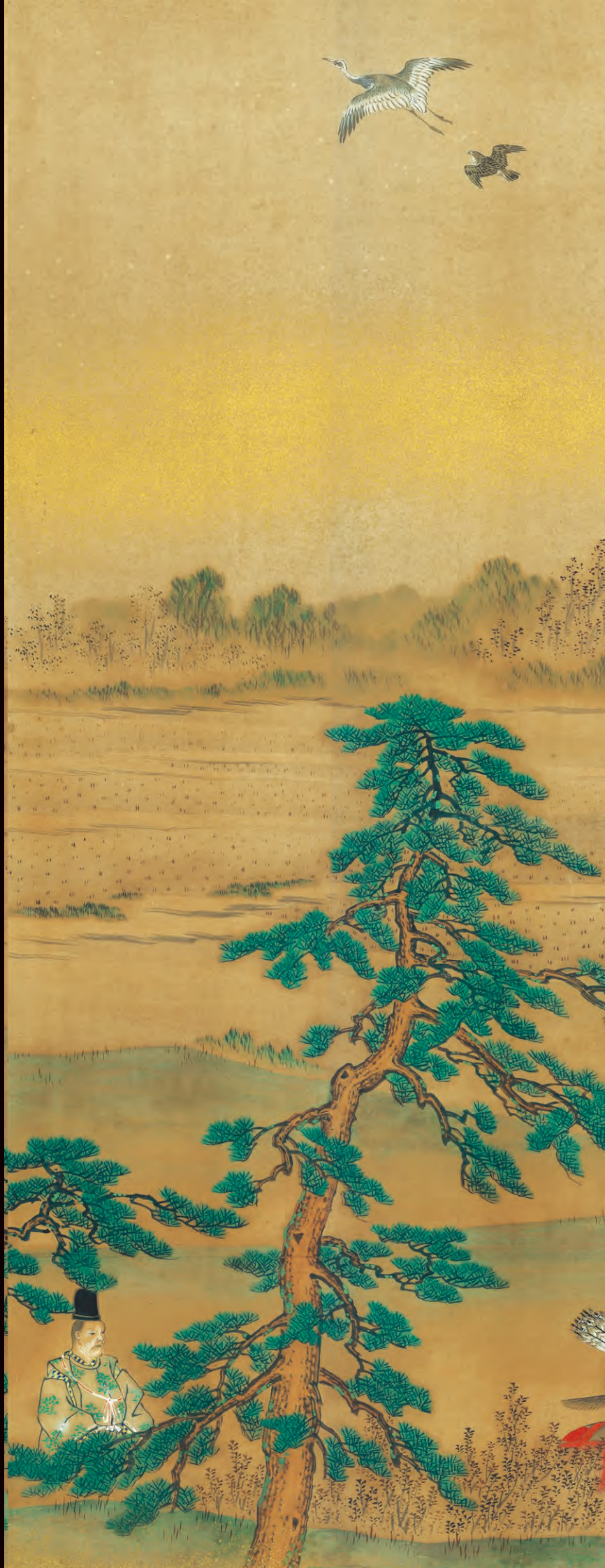














Outside cover: Scenes from the Mifune Festival on the Oi River  
This page: The Emperor hunting with falcons  
Ultra-high resolution scanned images taken from sliding doors (*fusuma*) at Ninnaji Temple  
See p. 43 for more details.





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# Kyoto University Mission Statement

Kyoto University states its mission to sustain and develop its historical commitment to academic freedom and to pursue harmonious coexistence within the human and ecological community on this planet.

## I Research

Kyoto University will generate world-class knowledge through freedom and autonomy in research that conforms with high ethical standards.

As a university that comprehends many graduate schools, faculties, research institutes and centers, Kyoto University will strive for diverse development in pure and applied research in the humanities, sciences and technology, while seeking to integrate these various perspectives.

## II Education

Within its broad and varied educational structure, Kyoto University will transmit high-quality knowledge and promote independent and interactive learning.

Kyoto University will educate outstanding and humane researchers and specialists, who will contribute responsibly to the world's human and ecological community.

## III Relationship with Society

As a university committed to a broad social engagement, Kyoto University will encourage cooperation with local and national society, and will disseminate knowledge informed by the ideals of freedom and peaceful coexistence.

As an international institution, Kyoto University will promote foreign academic exchange and thereby strive to contribute to the well-being of the world.

## IV Administration

In order to enhance the free development of learning, Kyoto University will pay due respect to the administrative independence of each of its component institutions, while promoting cooperation among them.

Kyoto University will conduct its administration with regard for the environment and respect for human rights and will be accountable to society at large.

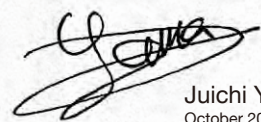


# Message from the President

Since its foundation in 1897, Kyoto University has fostered a culture of academic freedom grounded in a spirit of self-reliance and self-respect. I believe that, for its students and researchers, the university should function as a “window” to society and the world at large, and that it must be an institution which can respond to the needs and demands of the current era. My role as president, therefore, is to work together with all of Kyoto University’s faculty and staff members to open such a window to society, the world, and all of the possibilities therein. In this way I hope to give our talented and ambitious students a helping hand to get out into the world and realize their full potential. In line with this concept, I have adopted “WINDOW” as the keyword for Kyoto University’s current phase, with each of its letters standing to remind us of our key objectives.

In line with the principles of the Window Concept (see the following page for details), we have introduced several new initiatives in recent years. These include the Kyoto University Institute for Advanced Study (KUIAS), which was established in 2016 as an international hub for cutting-edge research. Also in 2016, a special admission system was instituted to facilitate the admission of students with particularly strong aptitudes for their chosen fields of interest. The new system aims to provide such students with opportunities to pursue their own particular talents, and make their own unique contributions to society. And this year, we launched a new program for highly-motivated international undergraduate students called the Kyoto University International Undergraduate Program (Kyoto iUP), which provides them with a unique opportunity to study side-by-side with their Japanese peers.

At Kyoto University, we seek, through creative education and research, to contribute to the advancement of human knowledge and wisdom, and to help to find solutions to pressing global-scale issues. I invite ambitious students and researchers from around the world to join us in our endeavors.



Juichi Yamagiwa  
October 2017



[www.kyoto-u.ac.jp/en/about/president/profile.html](http://www.kyoto-u.ac.jp/en/about/president/profile.html)

## WINDOW A Vision for the Future

W

### Wild and Wise

Fostering in our students the practical skills and resources to venture into new realms of knowledge, together with sound judgment and decision-making skills.

I

### International and Innovative

Enhancing and internationalizing our education and research environment to provide increasingly fertile ground for innovation and new developments.

N

### Natural and Noble

Looking to nature as our closest and greatest teacher, and maintaining an awareness of our human dignity as part of the natural world.

D

### Diverse and Dynamic

Maintaining an open mind towards diverse cultures and ways of thinking, and providing a calm vantage point from which our scholars can approach their studies, informed by the vast span of history.

O

### Original and Optimistic

Cultivating the ability to fearlessly embrace errors and criticism as opportunities to learn new perspectives and integrate them into our path to success.

W

### Women, Leaders in the Workplace

Supporting the advancement of women in faculty, staff, and executive positions, and ensuring that men and women can work together on an equal footing towards a society imbued with promise and potential.

[www.kyoto-u.ac.jp/en/about/operation/window.html](http://www.kyoto-u.ac.jp/en/about/operation/window.html)



# KYOTO UNIVERSITY

## At a Glance

## Students

22,700

Undergraduate **13,400**Graduate **9,300**International **2,200**

See Facts and Figures pp. 2, 15

## Established in

1897

The second oldest national university in Japan

Research oriented

Tradition of pioneering fieldwork

Reflecting the philosophic traditions of Kyoto

See p. 7

## Academic Calendar

2 Semesters

Apr. → Sep.   Oct. → Mar.

Summer Holiday  
Aug.→Sep.Spring Holiday  
Feb.→Mar.

## Faculties

10

## Graduate Schools

18

## Research Institutes

13

## Centers and Other Facilities

22

See pp. 31–38

## Campuses

3 in Kyoto

The cultural heart of Japan



Kyoto City is located in central Honshu, the largest of Japan's four main islands. The city has a population of approximately 1.5 million residents.

See pp. 39, 41

## Research and Educational Facilities

43 Off campus facilities in Japan

See p. 42

## Award-Winning Research

9 Nobel Laureates

2 Fields Medalists

1 Gauss Prize Winner

5 Lasker Award Winners

See p. 7

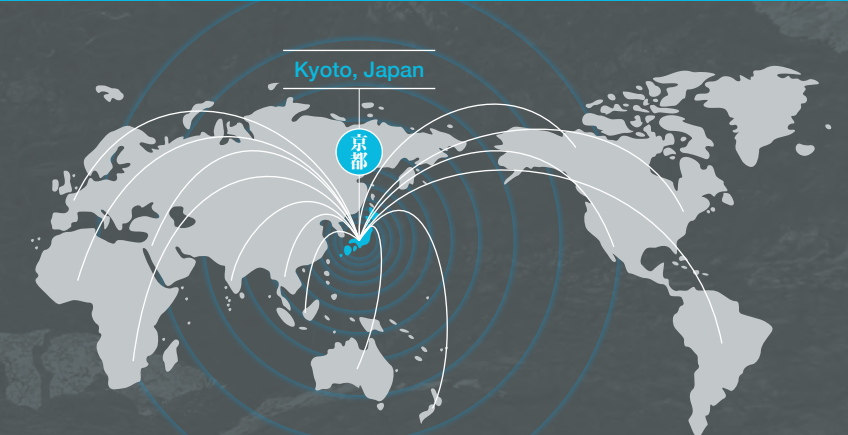
## Expenditure

in Academic Year 2016

JPY **168** Billion  
(USD 1,494 Million)

See Facts and Figures p. 3

## Overseas Partner Institutions



## Faculty and Staff Members

7,300

Faculty **3,420**Non-Teaching Researchers **550**Non-Teaching Staff **3,330**International Faculty and Staff **400**

See Facts and Figures p. 2

847

MOUs  
168 university-level and  
679 department-level

283

Student Exchange Agreements  
113 university-level and  
170 department-level\*

59

Overseas  
Offices  
and Facilities

See p. 21, Facts and Figures pp. 7–12



# History of Kyoto University

Kyoto University was founded on June 18, 1897 as Kyoto Imperial University—the second university to be established in Japan. Within ten years, its Colleges of Science and Engineering, Law, Medicine, and Letters were operating, forming the basis for a truly comprehensive institution. Commemorating its 120<sup>th</sup> anniversary in 2017, Kyoto University continues to develop as a world-class research-oriented university.

In 1869 a school of higher learning in chemistry and physics was established under the name of the Seimikyoku, which was later renamed the Third High School.

**1897**  
Kyoto Imperial University established on June 18.

**1947**  
Renamed Kyoto University.

**1949**  
The Third High School was integrated into Kyoto University.

**2004**  
Kyoto University and all national universities incorporated.

**2022**  
Kyoto University will celebrate the 125<sup>th</sup> anniversary of its founding.

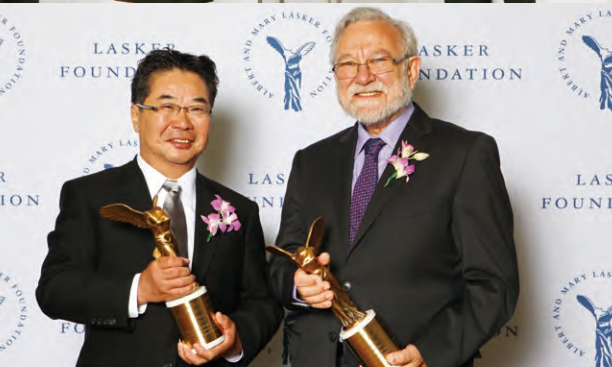
1860 1870 1880 1890 **1897** 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 **2022** 2030



Dr. Shinya Yamanaka, director of the Center for iPS Cell Research and Application (CiRA), receiving the 2012 Nobel Prize in Physiology or Medicine.



Dr. Kayo Inaba, Kyoto University's executive vice-president for gender equality, international affairs, and public relations, receiving the 2014 L'Oréal-UNESCO Award for Women in Science (Immunology and Medicine).



Dr. Kazutoshi Mori of Kyoto University's Graduate School of Science receiving the 2014 Albert Lasker Award for Basic Medical Research.

## Award-Winning Research

Kyoto University is one of the most respected research universities in the Asian region. This is testified by the accolades conferred upon its researchers past and present—notably nine Nobel Prizes, two Fields Medals, a Gauss Prize, five Lasker Awards, three Japan Prizes, and eight Kyoto Prizes.

### Nobel Prize ▲

<b>1949</b> Physics Hideki Yukawa	<b>1965</b> Physics Shinichiro Tomonaga	<b>1981</b> Chemistry Kenichi Fukui	<b>1987</b> Physiology or Medicine Susumu Tonegawa	<b>2001</b> Chemistry Ryoji Noyori
<b>2008</b> Physics Makoto Kobayashi	<b>2008</b> Physics Toshihide Maskawa	<b>2012</b> Physiology or Medicine Shinya Yamanaka	<b>2014</b> Physics Isamu Akasaki	

### Gauss Prize ▲ Fields Medal ▲

<b>2006</b> Mathematics Kiyoshi Ito	<b>1970</b> Mathematics Heisuke Hironaka	<b>1990</b> Mathematics Shigefumi Mori
<b>2004</b> Chemical Technology for the Environment Kenichi Honda	<b>2005</b> Information and Media Technology Makoto Nagao	<b>2005</b> Cell Biology Masatoshi Takeichi

Japan Prize ▲ \*photos provided by the Japan Prize Foundation

### Kyoto Prize ▲

<b>1995</b> Basic Sciences Chushiro Hayashi	<b>1998</b> Basic Sciences Kiyoshi Ito	<b>2004</b> Advanced Technology Alan Curtis Kay	<b>2009</b> Advanced Technology Isamu Akasaki
<b>2010</b> Advanced Technology Shinya Yamanaka	<b>2013</b> Basic Sciences Masatoshi Nei	<b>2016</b> Advanced Technology Takeo Kanade	<b>2016</b> Basic Sciences Tasuku Honjo

### Lasker Award ▲

<b>1987</b> Basic Medical Research Susumu Tonegawa	<b>1989</b> Basic Medical Research Yasutomi Nishizuka	<b>1998</b> Basic Medical Research Yoshio Masui
<b>2009</b> Basic Medical Research Shinya Yamanaka	<b>2014</b> Basic Medical Research Kazutoshi Mori	



# Research

In accordance with its Mission Statement, Kyoto University seeks to advance the global frontiers of knowledge through research efforts founded on its institutional ideals of academic freedom and autonomy, and address complex global issues through the integration of diverse basic and applied research.

As an institution committed to extensive local and international outreach, Kyoto University seeks to contribute to a harmonious global society through its research, international exchange efforts, and engagement with communities around the world.

◀ A researcher conducting an experiment in an open lab  
Photo by Center for IPS Cell Research and Application, Kyoto University



# Enhancing Research Capabilities

As one of the world's leading research institutions, Kyoto University is engaged in diverse initiatives to continually enhance its research capabilities. Emphasis is placed on advancing academic fields in which the university has particular strengths, developing new interdisciplinary fields, and promoting collaboration beyond national and regional boundaries.



▲ Medium exchange at the cell culture chamber  
Photo by Center for iPS Cell Research and Application, Kyoto University

## A World-Leading Hub for International Research Collaboration and Knowledge Exchange Kyoto University Institute for Advanced Study

The Kyoto University Institute for Advanced Study (KUIAS) was established in 2016 to pursue cutting-edge research, foster leading researchers of the next generation, and concentrate the collective wisdom of distinguished researchers from Japan and around the world. In 2017, Kyoto University's Institute for Integrated Cell-Material Sciences (iCeMS), which seeks to develop innovative new fields that integrate materials science and cell science, was incorporated into KUIAS as one of its research centers.

One of the key features of KUIAS is that it employs world-renowned researchers as distinguished professors, and provides a platform for high-level domestic and international research collaboration and exchange. There are currently four distinguished professors employed at the institute.

- KUIAS [kuias.kyoto-u.ac.jp/e/](http://kuias.kyoto-u.ac.jp/e/)
- iCeMS [www.icems.kyoto-u.ac.jp/en/](http://www.icems.kyoto-u.ac.jp/en/)

### Prof. Shigefumi Mori

#### Algebraic Geometry, Birational Geometry

Mori was awarded the Fields Medal in 1990 "for the proof of Hartshorne's conjecture and his work on the classification of three-dimensional algebraic varieties." In 2015, he became the first president of the International Mathematical Union to be elected from an Asian institution.

### Prof. Tetsuro Matsuzawa

#### Primatology, Comparative Cognitive Science

Through his groundbreaking research on chimpanzees in the Ai Project, and his fieldwork in the Republic of Guinea, West Africa, Matsuzawa established the new academic field of comparative cognitive science.

### Prof. Susumu Kitagawa

#### Inorganic Chemistry, Chemistry of Coordination Space

Kitagawa developed porous materials (MOF) with numerous nano-sized pores. His discoveries are anticipated to be key in the invention of new materials for the absorption of carbon dioxide, which causes global warming, as well as in innovative medical applications.

### Prof. Tasuku Honjo

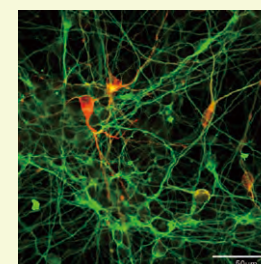
#### Molecular Immunology

Honjo defined the mechanistic principle of vaccination-induced antibody memory through the discovery of AID (activation-induced cytidine deaminase), which engraves antigen memory in the immunoglobulin gene. He also discovered the protein PD-1, which suppresses the function of immune cells, and developed its application for cancer treatment using mouse models. Cancer therapy using PD-1 blockade is now approved for many types of cancer.

## Cutting-Edge Research Fields

### Regenerative Medicine and Advanced Medical Research

Kyoto University is committed to pursuing research to promote human health and wellbeing, and to advancing medicine and healthcare in the context of rapidly aging modern societies. Major fields of medical research include regenerative medicine focusing on iPS cells, led by Nobel Prize laureate Dr. Shinya Yamanaka, translational research, and new drug discovery based on cutting-edge research in the university's areas of strength, such as cancer, immunology, and genetics. The research for medical application is undertaken in close cooperation with the Kyoto University Hospital.



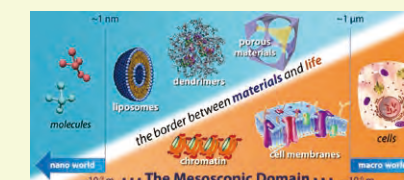
▲ Dopaminergic neurons derived from human iPS cells

Photo by Asuka Morizane, Center for iPS Cell Research and Application, Kyoto University

### Fusing Chemistry and Life Science

Kyoto University is at the forefront of new horizons in research that combine chemistry and nanotechnology with life science. These new fields are anticipated to herald innovative developments in a wide range of industries and sectors, including energy, new materials, medicine, and healthcare, and contribute significantly to the resolution of global-scale issues.

- iCeMS [www.icems.kyoto-u.ac.jp/en/](http://www.icems.kyoto-u.ac.jp/en/)



▲ iCeMS develops a unique research field in the mesoscale realm between nanoscale science (left: chemistry and physics) and macroscale science (right: cell biology).

### Research Collaboration between Japan and the ASEAN Region

Among Japan's universities, Kyoto University has the longest history of engagement in Southeast Asia, dating back to the pre-war era. Throughout that history, the university's researchers have undertaken interdisciplinary research and fieldwork to address contemporary issues in the region, provided support to enhance the region's higher education, and collaborated on research into sustainable development to address various regional issues. Projects include research into the conversion of biomass waste into energy, the highly effective use of tropical plants, and early warning systems for large-scale natural disasters.

- Center for Southeast Asian Studies (CSEAS) [en.kyoto.cseas.kyoto-u.ac.jp](http://en.kyoto.cseas.kyoto-u.ac.jp)

- JASTIP [jastip.org/en/](http://jastip.org/en/)



## Fostering Next-Generation Researchers The Hakubi Project

A five-year project that recruits outstanding young researchers from around the world, and provides them with the ideal environment to advance their studies. The project aims to cultivate world-leading researchers who will pioneer new paths in their respective academic fields, and spearhead next-generation research.

[www.hakubi.kyoto-u.ac.jp/eng/eng.html](http://www.hakubi.kyoto-u.ac.jp/eng/eng.html)



▲ Hakubi Center and Sikkim University 2<sup>nd</sup> Joint Workshop on Human Sustainability

### A New Hub in North America to Enhance the University's Global Research Profile Kyoto University San Diego Liaison Office

Aiming to promote international research collaboration and strengthen industry-academia linkage, Kyoto University established a liaison office in San Diego, California, in April 2017. With a particular focus on the bio-venture industry, the office serves as a hub connecting Kyoto University with the US and beyond.

[www.kyoto-u.ac.jp/en/about/events\\_news/office/kikaku-joho/kikaku/news/2017/170401\\_1.html](http://www.kyoto-u.ac.jp/en/about/events_news/office/kikaku-joho/kikaku/news/2017/170401_1.html)



### Connecting Research Kyoto University Research Administration Office

The Kyoto University Research Administration Office (KURA) provides systematic support to ensure an environment in which the university's researchers can dedicate their energies fully to their research. Comprehensive support is provided—from the planning and operation of research projects, to the publicizing and sharing of research outcomes with society. International research collaboration projects are also supported by university research administrators (URAs) stationed in the university's overseas offices.

[www.kura.kyoto-u.ac.jp/en/about/](http://www.kura.kyoto-u.ac.jp/en/about/)



# Advanced Research to Address Complex Social Issues

## Collaboration with Industry and Government



▲ Walking support robot developed in partnership with the Suncall Corporation by the Center of Innovation (COI) Program from Ministry of Education, Culture, Sports, Science and Technology (MEXT) and Japan Science and Technology Agency (JST)



▲ Kyoto University's President Yamagiwa (left) with President and CEO Toshiaki Higashihara of Hitachi, Ltd. (right)

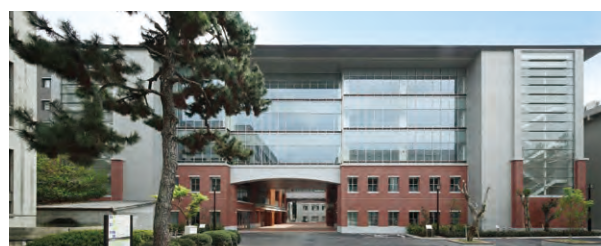
Kyoto University actively promotes the effective utilization and application of its research results in all sectors of society, collaborating with the industrial and governmental sectors in order to share the benefits of the cutting-edge knowledge generated on its campuses, and seek solutions to the complex multi-faceted issues faced by international society.

During the 2016 academic year, the university filed 286 domestic and 398 foreign patent applications.

One recent example of the university's collaboration with an industrial partner is the Hitachi-Kyoto University Laboratory, which is developing innovative technologies, including research into artificial intelligence (AI) and an atomic resolution holography electron microscope. The lab analyzes emerging social issues in order to explore further potential solutions that can be developed collaboration between Hitachi and Kyoto University.

One great strength that Kyoto University has with regards to collaboration with its industrial and government partners is that it has a specialized organization to support such activities. The Office of Society-Academia Collaboration for Innovation (SACI) provides various forms of support for such endeavors, including management of the university's intellectual properties, promotion of industry-government-academia collaborative research, promotion of licensing activities, and support for venture business start-ups by researchers and students.

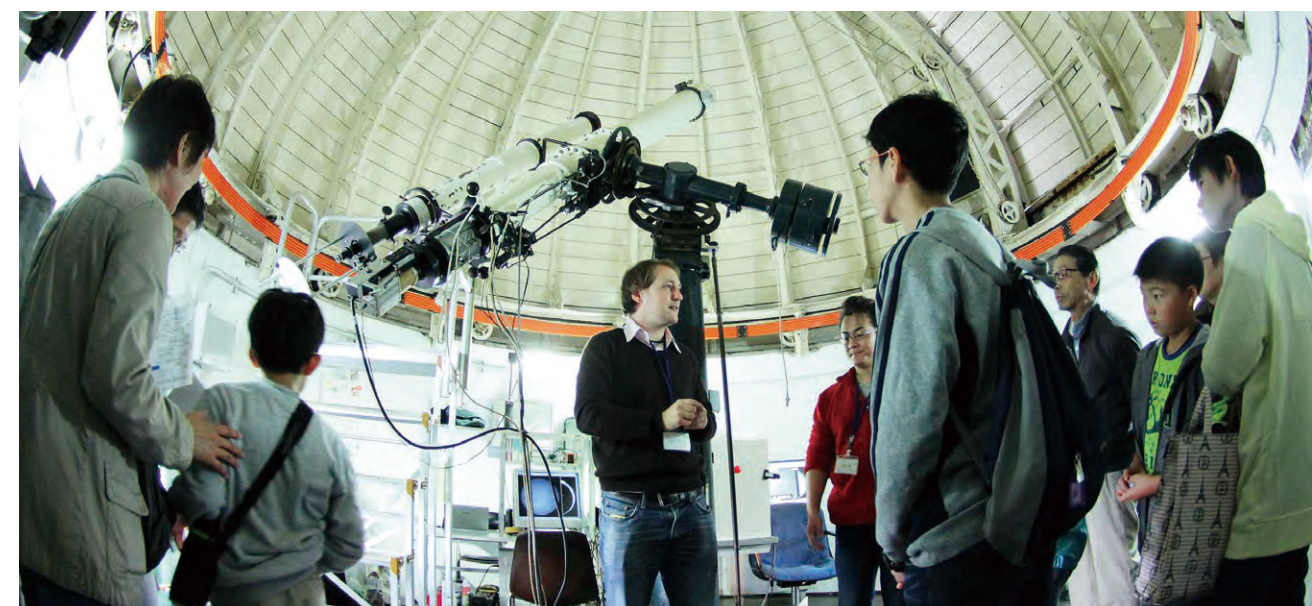
● Office of Society-Academia Collaboration for Innovation (SACI)  
[www.saci.kyoto-u.ac.jp/en/](http://www.saci.kyoto-u.ac.jp/en/)



◀ International Science Innovation Building

At this facility, stakeholders involved in society-academia collaboration can gather under one roof to collaborate effectively on a day-to-day basis. The building provides rental offices and laboratories that can be leased long-term as bases for society-academia collaboration projects.

## Serving the Local Community



▲ Open Day at Kwasan Observatory in Kyoto

Kyoto University's local community projects represent another aspect of its efforts to ensure that the fruits of its education and research activities bring benefit to society. Public lectures, open days at research facilities, environmental conservation, disaster prevention activities, and research collaboration with local institutions such as zoological parks are just some of the ways in which the university connects and contributes to the local community.



▶ The 65<sup>th</sup> Kyoto University Mirai Forum

## Addressing Global Issues



▲ Research cooperation project for peatlands conservation in Indonesia

Kyoto University engages in research collaboration with institutions around the world to contribute towards the sustainable development goals (SDGs) set by the United Nations. For example, under the Science and Technology Research Partnership for Sustainable Development (SATREPS) and ODA-UNESCO programs, the university pursues problem-solving initiatives around the world. Projects include forest resource management in Cameroon, the establishment of a sustainable aquaculture industry in Chile, the promotion of energy science education in Myanmar, and cooperation with UNESCO's International Hydrological Programme.



# Education

Kyoto University seeks to foster outstanding and humane researchers and specialists who will contribute to the world's human and ecological community with responsibility.

Through its undergraduate curricula, the university aims to equip students with specialized knowledge and skills, and also encourage independent learning based on frank dialogue and equip students with the ability to think and act autonomously in an ever-changing world.

Through its graduate programs, the university provides cutting-edge specialist knowledge and fosters skills developed through its diverse research undertakings. The university seeks to cultivate accomplished researchers capable of playing leading roles in international community.

## Kyoto University Degree System

BACHELOR'S	MASTER'S	DOCTORAL
4 years	2 years	3 years
	5 years	DOCTORAL

\*Please note: some faculties have different systems. Please see pp. 31-34 for information about specific faculties, graduate schools, etc.



# An Invitation to Learning

Liberal Arts and Sciences at Kyoto University



Contemporary education and research have become increasingly divided into narrow fields of specialization. The issues faced by global society, however, are generally the result of multiple interrelated factors pertaining to many different academic fields. Such complex issues cannot be effectively addressed by focusing only on narrow isolated areas.

In addition to advanced specialized knowledge, a broad outlook and a high degree of creativity are also essential. It is from this perspective that Kyoto University has designed its undergraduate education programs to address these challenges.

In parallel with courses in their majors, undergraduate students at Kyoto University also take courses in a wide range of liberal arts and sciences subjects and foreign languages from their first to final year. This enables students to acquire both a depth of specialization and a complimentary broad and balanced set of general knowledge and skills that will greatly enhance their future careers.



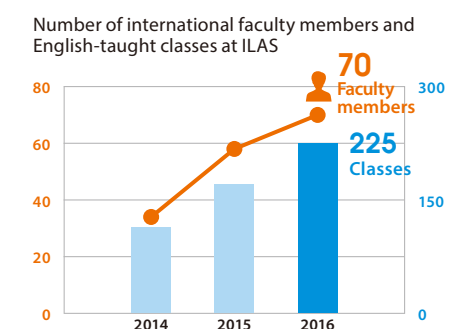
## ILAS Seminars: Small-Group Classes



Institute for Liberal Arts and Sciences (ILAS) Seminars are small-group classes for first-year undergraduate students in which they learn core advanced research skills from experienced faculty members who are engaged in their own innovative projects. The seminars emphasize discussion and interaction between students and faculty members. With some 300 courses in both Japanese and English, the seminars cover a vast range of topics to appeal to the diverse interests of students.

## English-Taught Classes

Kyoto University offers an expanding selection of classes taught in English by Japanese and international faculty members (graph). The classes provide students with a wide variety of English-taught subjects to choose from, and enable them to become familiar with an international academic environment.



## Japanese Language and Culture Education

Kyoto University offers courses on Japanese language, culture, and society for international students.

[www.z.k.kyoto-u.ac.jp/introduction/education-center-for-japanese](http://www.z.k.kyoto-u.ac.jp/introduction/education-center-for-japanese)

## Dynamic Curricula

ILAS provides the general education courses that are a component of all undergraduate programs. The institute cooperates with different faculties to develop quality courses tailored to address the needs of students, with a view to providing them with flexible curricula options that match their personal interests and career plans.

[www.z.k.kyoto-u.ac.jp/](http://www.z.k.kyoto-u.ac.jp/)

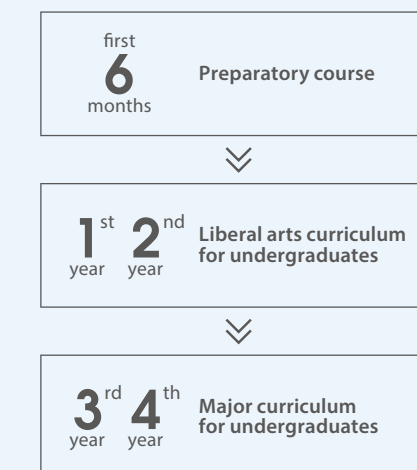
## A New Pathway to Japanese-Related Careers

Kyoto University  
International  
Undergraduate Program  
(Kyoto iUP)

Kyoto iUP (launched in 2017) comprises a four-year undergraduate program preceded by a six-month preparatory course. Upon graduation students are awarded a bachelor's degree in their selected major (all majors are available, except science, medical, and pharmaceutical sciences).

Japanese language proficiency is not required at the time of application, as Kyoto iUP students are provided with intensive Japanese courses in the first six months of the program. In the following two years, they take advanced Japanese courses and liberal arts courses (in either English or Japanese). Students then have sufficient Japanese proficiency to attend regular undergraduate lectures and seminars mainly or exclusively in Japanese from their third year on. The program is designed to give graduates a wide range of options to move forward into graduate study or into a Japan-related career.

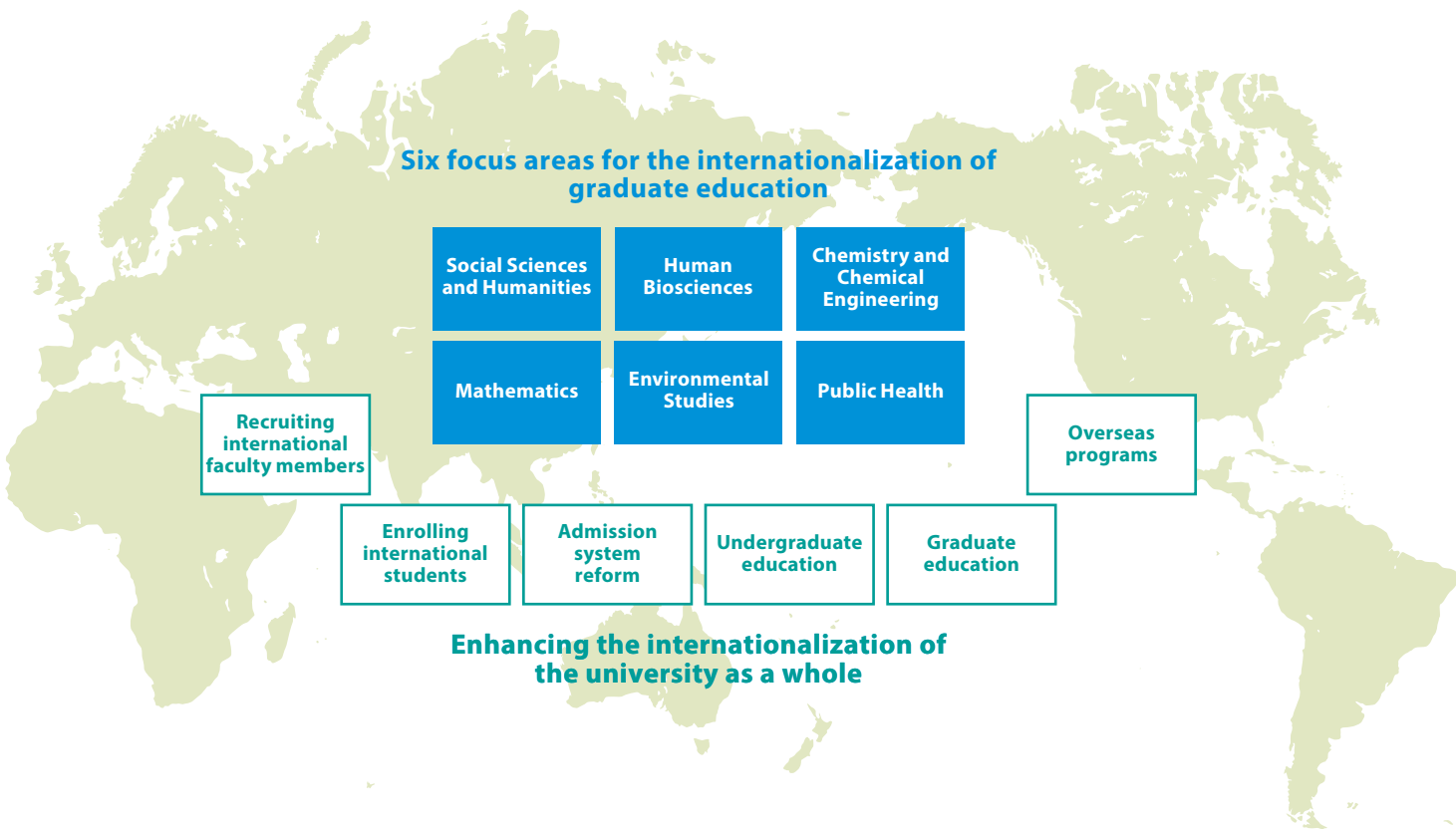
[www.iup.kyoto-u.ac.jp/](http://www.iup.kyoto-u.ac.jp/)





# Cultivating the Next Generation of Human Resources

Kyoto University pursues international and interdisciplinary education initiatives to cultivate the next generation of world-class researchers and leaders in diverse fields.



## Japan Gateway: Kyoto University Top Global Program (JGP) Internationally-oriented graduate education



The Top Global Program comprises a range of graduate school programs that focus on six research areas in which Kyoto University has a particularly high degree of international competitiveness. The programs are operated in partnership with leading universities around the world, offering joint guidance for study and dissertation writing, as well as joint and double degree programs.

Currently, thirteen double degree programs (twelve master's courses and one doctoral course, as of May 2017) and one joint degree program (master's course, as of Oct. 2017) are available.

The university is also engaged in internationalizing various aspects of its graduate education, such as implementing reforms to the admission system, increasing international student mobility, and increasing the number of courses offered in English.

In tandem with the ongoing internationalization of the university as a whole, these efforts aim to cultivate researchers who are active in the international community.

- Japan Gateway Program (JGP)  
[www.jgp.kyoto-u.ac.jp/en/](http://www.jgp.kyoto-u.ac.jp/en/)

## Five-Year Interdisciplinary Programs: “Programs for Leading Graduate Schools”

Interdisciplinary integrated master's and doctoral programs to cultivate creative and internationally-oriented students capable of playing leading roles in the world's academic, industrial, and governmental sectors.

**D** Doctoral (5yrs.)

- |  |  |
|--|--|
| • Graduate School of Advanced Leadership Studies                                     | • Training Program of Leaders for Integrated Medical System    |
| • Inter-Graduate School Program for Sustainable Development and Survivable Societies | • Collaborative Graduate Program in Design                     |
|  | • Leading Graduate Program in Primatology and Wildlife Science |

## English-Taught Degree Programs

The following programs are designed to make Kyoto University's world-class facilities and instruction available to students with no Japanese language ability. They are taught and assessed entirely in English, and admission and support services are also provided in English.

**B** Bachelor's   **M** Master's   **D** Doctoral   **P** Professional

### Economics

- International Graduate Programme for East Asia Sustainable Economic Development Studies **M** **D**  
[www.econ.kyoto-u.ac.jp/kueac/](http://www.econ.kyoto-u.ac.jp/kueac/)

### Engineering

- Undergraduate International Course Program of Civil Engineering **B**  
[www.s-ge.t.kyoto-u.ac.jp/int/en/](http://www.s-ge.t.kyoto-u.ac.jp/int/en/)
- International Course in Management of Civil Infrastructure in the Department of Civil and Earth Resources Engineering **M**  
[www.ce.t.kyoto-u.ac.jp/mci/en/](http://www.ce.t.kyoto-u.ac.jp/mci/en/)
- International Course in Urban and Regional Development in the Department of Urban Management **M**  
[www.um.t.kyoto-u.ac.jp/urd/en/](http://www.um.t.kyoto-u.ac.jp/urd/en/)
- Integrated Engineering Course, Human Security Engineering Field **D** (3yrs./5yrs.)  
[hse.gcoe.kyoto-u.ac.jp/index.html](http://hse.gcoe.kyoto-u.ac.jp/index.html)

### Agriculture

- Special Course in Agricultural Sciences  
– For the Global Future of Life, Food and the Environment **M** **D**  
[www.kais.kyoto-u.ac.jp/english/global30/](http://www.kais.kyoto-u.ac.jp/english/global30/)

### Energy Science

- International Energy Science Course **M** **D**  
[www.energy.kyoto-u.ac.jp/IESC/](http://www.energy.kyoto-u.ac.jp/IESC/)

### Informatics

- International Course in Intelligence Science and Technology **M** **D**
- International Course in Social Informatics **M** **D**
- International Course in Communications and Computer Engineering **M** **D**  
[www.g30.i.kyoto-u.ac.jp/en](http://www.g30.i.kyoto-u.ac.jp/en)

### Biostudies/Medicine

- Global Frontier in Life Science **M** **D**  
[www.lif.kyoto-u.ac.jp/Global\\_frontier\\_in\\_life\\_science/index.html](http://www.lif.kyoto-u.ac.jp/Global_frontier_in_life_science/index.html)

### Global Environmental Studies

- International Environmental Management Program **M** **D**  
[www2.ges.kyoto-u.ac.jp/en/activities/educational-activities/iemp/](http://www2.ges.kyoto-u.ac.jp/en/activities/educational-activities/iemp/)

### Science

- International Course in Primatology and Wildlife Research **M** **D**  
[www.cicasp.pri.kyoto-u.ac.jp/](http://www.cicasp.pri.kyoto-u.ac.jp/)

### Management

- International Project Management Course in the Department of Business Administration **P**  
[www.gsm.kyoto-u.ac.jp/en/](http://www.gsm.kyoto-u.ac.jp/en/)

## Student Exchange with Overseas Universities

The Kyoto University International Education Program (KUINEP) and Kyoto University General Exchange Program are open to students from Kyoto University's international partner institutions.

Short-term international programs, including summer programs, are also available.

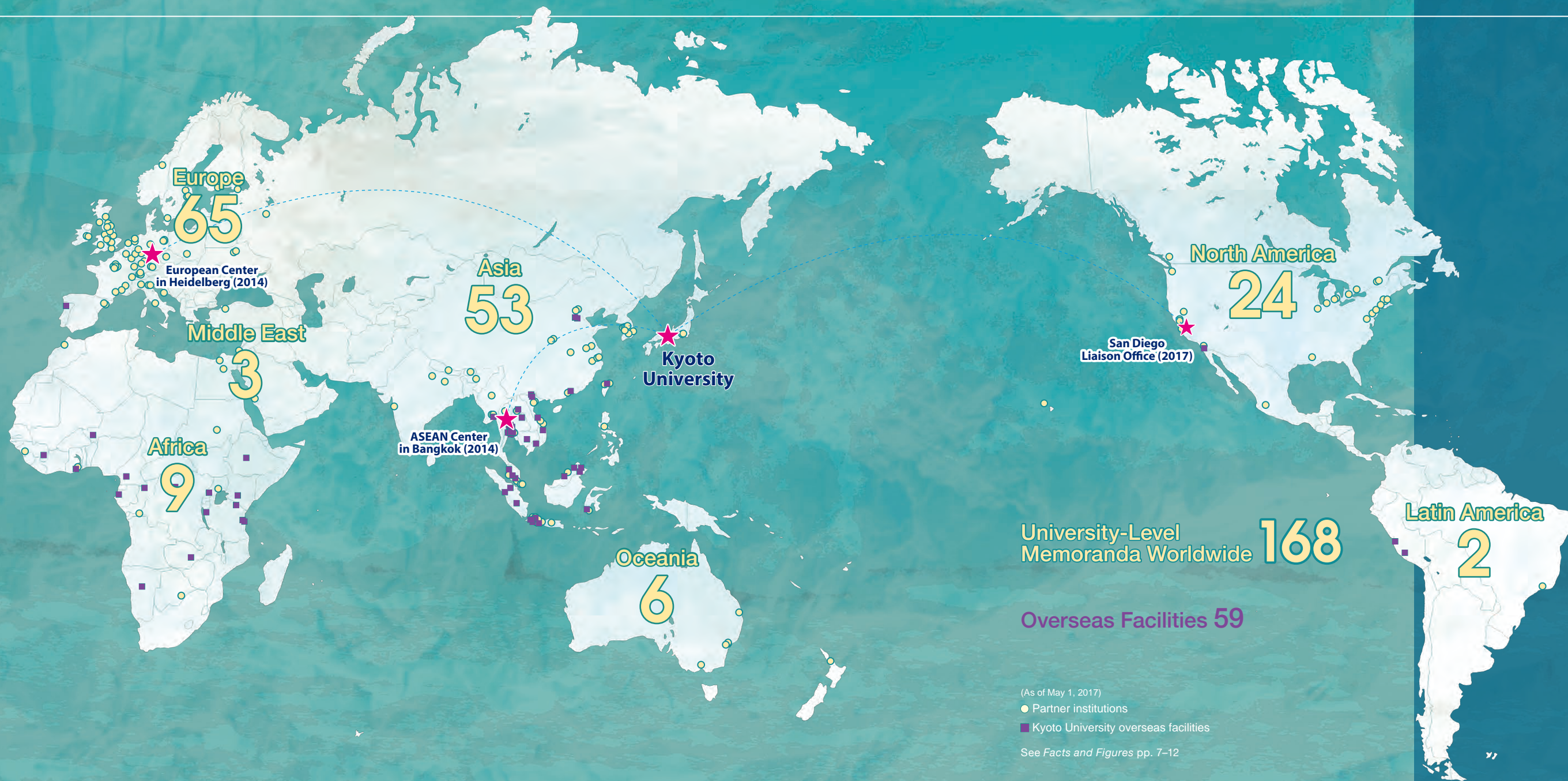
[www.kyoto-u.ac.jp/en/education-campus/international/students1/program](http://www.kyoto-u.ac.jp/en/education-campus/international/students1/program)





# Global Engagement

As a world-leading higher education institution, Kyoto University actively pursues collaboration with diverse international partners. The university continues to expand its global community through various networks, including those with university consortia and international alumni. Kyoto University's offices and other facilities overseas serve as hubs to bridge local resources and activities with the international community.





# Promoting International Collaboration

Kyoto University seeks to actively participate and enrich the international academic community, promote innovative advancements in research, and cultivate talented researchers and students.

## International Symposia

Kyoto University hosts and participates in a wide range of international symposia and academic meetings. By bringing together accomplished international scholars and eager up-and-coming young researchers, these events aim to strengthen research and education collaboration and promote the sharing of knowledge, skills, and ideas.

In 2017, Kyoto University held symposia in collaboration with the University of Hamburg in Germany (focusing on six different natural sciences/humanities and social sciences fields) and the University of Bordeaux in France (focusing on cutting-edge medical engineering).



▲ Bordeaux-Kyoto Symposium 2017



◀ Kyoto-Swiss Symposium 2016

### Recent joint international symposia

2015 Kyoto-Bordeaux Symposium  
Bristol-Heidelberg-Kyoto Symposium  
Grand Challenges Symposium

2016 UC San Diego-Kyoto Symposium  
Kyoto-Swiss Symposium

2017 Hamburg-Kyoto Symposium  
Bordeaux-Kyoto Symposium

[www.oc.kyoto-u.ac.jp/symposium/en](http://www.oc.kyoto-u.ac.jp/symposium/en)

## International Engagement through University Consortia and Networks

Membership in university consortia and networks enables Kyoto University to organize and participate in diverse international exchange programs and events for students, faculty, and staff. Activities include university presidents' conferences, international symposia, research workshops, and seasonal school programs.

- HeKKSaGOn (German-Japanese University Network)
- RENKEI (Japan-UK Research and Education Network for Knowledge Economy Initiatives)
- USJI (US-Japan Research Institute)
- AEARU (The Association of East Asian Research Universities)
- ASEAN+3 UNet
- USR Network (University Social Responsibility Network)

[www.oc.kyoto-u.ac.jp/network/en](http://www.oc.kyoto-u.ac.jp/network/en)

### Focus



▲ HeKKSaGOn Winter School 2016 at Kyoto

### HeKKSaGOn (German-Japanese University Network)

HeKKSaGOn is a German-Japanese university network that was established in 2010 as a platform to promote cooperation and exchange in education and research among its six member institutions, and contribute to the development of science, technology, and culture. A presidents' conference is held every 18 months in tandem with workshops for the network's nine areas of research focus. Several seasonal schools have also been organized within the network.



## International Alumni Associations

Kyoto University has 28 international alumni associations organized by graduates around the world, including the African Alumni Association, which was established in 2016 (pictured on the right). The university maintains strong links with its international alumni associations through various collaborative activities, such as academic forums tailored to the needs of local communities.

[hp.alumni.kyoto-u.ac.jp/en/](http://hp.alumni.kyoto-u.ac.jp/en/)





# Advanced Facilities



Kyoto University Hospital was established in 1899. It currently comprises 33 clinical departments, a central clinical section, and departments of pharmacy and nursing. It is government-certified as an advanced treatment hospital, and has 1,121 beds and approximately 3,000 staff members. The role of the hospital can be divided into three general areas (see right).

[www.kuhp.kyoto-u.ac.jp/english/](http://www.kuhp.kyoto-u.ac.jp/english/)

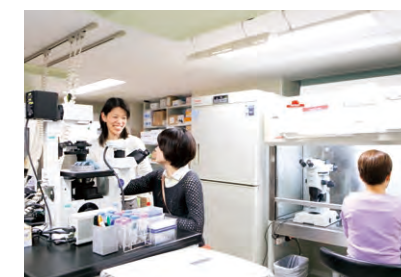
## 1. Patient-oriented medical care

The most important mission of Kyoto University Hospital is to provide patient-focused, safe, and state-of-the-art medical care. To this end, the hospital has been enhancing the functions of its Cancer Center and installing cutting-edge equipment, such as a next-generation hybrid operating room and an intraoperative higher-field MRI system with the strength of 3 Tesla. The SCU (Stroke Care Unit) was expanded in 2015 and a new MFICU (Maternal-Fetal Intensive Care Unit) was opened in 2016.



## 2. Clinical and translational research

The hospital is constantly enhancing its system for industry-government-academia collaboration to maintain an increasingly effective system for clinical research. The Institute for the Advancement of Clinical and Translational Science (iACT) pursues smooth and effective methods of advancing clinical research, while the Clinical Research Center for Medical Equipment Development (CRCMeD) serves as a research and development base for advanced medical equipment. In March 2017, the hospital was approved as a “core hospital for clinical research” by the Ministry of Health, Labour and Welfare.



## 3. Fostering medical professionals

The hospital's third mission is to foster medical professionals with a sense of responsibility and compassion. The Integrated Clinical Education Center seeks to address a wide range of medical issues and promote education in the fields of advanced medical care and general treatment. It also provides comprehensive pre- and post-graduate training for medical doctors, nurses, and other medical staff.







The Kyoto University Library provides a broad range of academic materials, information, and resources to students, faculty, staff, and others engaged in education and research. The collection comprises over seven million books, including designated national treasures and other valuable items. Many journals, electronic books, and databases are also accessible online.

### Online Journals and Electronic Books

Approximately 43,000 journals and 412,000 books can be accessed via the internet.

### Kyoto University Digital Library: Rare Materials

Images of the library's special collections can be accessed via the Digital Library. These materials include the oldest extant copy of *Konjaku Monogatari* (Anthology of Tales from the Past), a designated national treasure.

[edb.kulib.kyoto-u.ac.jp/exhibit/index.html](http://edb.kulib.kyoto-u.ac.jp/exhibit/index.html)

### Kyoto University Research Information Repository (KURENAI)

KURENAI is an online digital archive of Kyoto University's research and educational outcomes that is available to the general public. As of April 2017, over 149,000 items are archived in KURENAI, making it the largest resource of its kind in Japan.

[repository.kulib.kyoto-u.ac.jp/dspace/?locale=en](http://repository.kulib.kyoto-u.ac.jp/dspace/?locale=en)

### Media Commons

The Media Commons is a multimedia facility designed to be used for listening to music, watching movies, and studying foreign languages. The room has a diverse audiovisual collection, audiovisual booths, and a sound-proof media theatre.

### Learning Commons

The Learning Commons is a versatile space that Kyoto University students and staff can use for group work, discussions, and presentation practice. A Learning Support Desk operated by graduate students provides students with assistance in their studies and with library usage. Assistance is available in English and Japanese.

● Kyoto University Library  
[www.kulib.kyoto-u.ac.jp/?lang=en](http://www.kulib.kyoto-u.ac.jp/?lang=en)



Media Commons



Learning Commons



The Kyoto University Museum manages and develops the university's valuable collection and research resource archives. The collection currently consists of 2.6 million specimens, which are relevant to a wide spectrum of fields from the humanities, to the natural sciences, to engineering. The museum is a key resource for fields requiring sample-based research, and also functions as a bridge connecting the university and the community through exhibitions, lectures, and other events open to the public.

[www.museum.kyoto-u.ac.jp/index\\_e.htm](http://www.museum.kyoto-u.ac.jp/index_e.htm)



The Institute for Information Management and Communication (IIMC) supports Kyoto University's education and research activities by providing a highly secure and convenient cutting-edge ICT environment. Services provided by the IIMC include the Kyoto University Integrated Network Information System (KUINS), the Educational Computer System (including 1,400 PCs for the study of informatics, language, and other subjects), and a high-definition distance education system. In cooperation with the Academic Center for Computing and Media Studies, the institute also provides large-scale supercomputer systems for use by academic researchers throughout Japan.

[www.iimc.kyoto-u.ac.jp/en/](http://www.iimc.kyoto-u.ac.jp/en/)





# Support Services

## Accommodation

Kyoto University has five housing facilities for international researchers and students, located at Shugakuin, Yoshida, Uji, Ohbaku, and Misasagi. The Misasagi international house is a student-only facility.

- Kyoto University International Service Office  
[kuiso.oc.kyoto-u.ac.jp/housing/kuih/en](http://kuiso.oc.kyoto-u.ac.jp/housing/kuih/en)



## Information and Advising Services

Kyoto University provides information and advising services for international students and researchers who have concerns about their studies or about living in Japan.

- International Student Advising Room  
[www.kyoto-u.ac.jp/en/education-campus/students\\_support/advising.html](http://www.kyoto-u.ac.jp/en/education-campus/students_support/advising.html)
- Kyoto University International Service Office  
(For information about visas, accommodation, and daily life)  
[kuiso.oc.kyoto-u.ac.jp/housing/kuih/en](http://kuiso.oc.kyoto-u.ac.jp/housing/kuih/en)



## Health Service

Kyoto University Health Service provides medical and mental health services for students, faculty, and staff, including consultation, treatment, and health checkups. In addition to the Main Clinic on Yoshida Campus, there are also branch clinics on Katsura and Uji Campuses.

- Kyoto University Health Service  
[www.hoken.kyoto-u.ac.jp/en/](http://www.hoken.kyoto-u.ac.jp/en/)

◀ Yoshida Main Clinic

### Focus

#### KOMOMO: The Kyoto University Nursery Room for Sick Children

KOMOMO, the Kyoto University Nursery Room for Sick Children, is a day-care facility that provides care for sick or convalescent babies and children. All students, researchers, and faculty/staff members of Kyoto University are eligible to use the facility (fee required).

- Gender Equality Promotion Center, Kyoto University  
[www.cwr.kyoto-u.ac.jp/index.php](http://www.cwr.kyoto-u.ac.jp/index.php)



## Cultural Exchange and Language Support

Kyoto University frequently holds events to promote cultural exchange in which students can participate, and provides various forms of support for students and researchers seeking to improve their Japanese language skills.

- Student Lounge KI-ZU-NA  
[www.kyoto-u.ac.jp/en/education-campus/international/facilities/kizuna](http://www.kyoto-u.ac.jp/en/education-campus/international/facilities/kizuna)
- Education Center for Japanese Language and Culture  
[www.z.kyoto-u.ac.jp/introduction/education-center-for-japanese](http://www.z.kyoto-u.ac.jp/introduction/education-center-for-japanese)

- Handbook for International Researchers  
● Handbook for International Students

[kyoto-u.ac.jp/en/research/international/publications/researchers.html](http://kyoto-u.ac.jp/en/research/international/publications/researchers.html)  
[www.kyoto-u.ac.jp/en/research/international/publications/students.html](http://www.kyoto-u.ac.jp/en/research/international/publications/students.html)



# General Information

## Graduate Schools

Degrees

• Master's M

• Doctoral D

• Professional P

• 4yrs. D / 5yrs. D

Courses		
<b>Letters</b> 文学研究科 <a href="http://www.bun.kyoto-u.ac.jp/en/">www.bun.kyoto-u.ac.jp/en/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Philology and Literature</li><li>Philosophy</li><li>History</li><li>Behavioral Studies</li><li>Contemporary Culture</li></ul>
<b>Education</b> 教育学研究科 <a href="http://www.educ.kyoto-u.ac.jp/en/">www.educ.kyoto-u.ac.jp/en/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Educational Studies</li><li>Clinical Studies of Education</li></ul>
<b>Law</b> 法学研究科 <a href="https://law.kyoto-u.ac.jp/english/">https://law.kyoto-u.ac.jp/english/</a>	<span>M</span> <span>D</span> <span>P</span>	<ul style="list-style-type: none"><li>Legal and Political Studies</li><li>Law School</li></ul>
<b>Economics</b> 経済学研究科 <a href="http://www.econ.kyoto-u.ac.jp/en/">www.econ.kyoto-u.ac.jp/en/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Economics</li></ul>
<b>Science</b> 理学研究科 <a href="http://www.sci.kyoto-u.ac.jp/en/">www.sci.kyoto-u.ac.jp/en/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Mathematics and Mathematical Sciences</li><li>Physics and Astronomy</li><li>Earth and Planetary Sciences</li><li>Chemistry</li><li>Biological Sciences</li></ul>
<b>Medicine</b> 医学研究科 <a href="http://www.med.kyoto-u.ac.jp/en/">www.med.kyoto-u.ac.jp/en/</a>	<span>D</span> <span>M</span> <span>D</span> <span>P</span> <span>D</span> <span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Medicine</li><li>Medical Science</li><li>Public Health</li><li>Human Health Sciences</li></ul>
<b>Pharmaceutical Sciences</b> 薬学研究科 <a href="http://www.pharm.kyoto-u.ac.jp/en/">www.pharm.kyoto-u.ac.jp/en/</a>	<span>M</span> <span>D</span> <span>D</span> <span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Pharmaceutical Sciences</li><li>Biomedical Sciences</li><li>Bioinformatics and Chemical Genomics</li></ul>
<b>Engineering</b> 工学研究科 <a href="http://www.t.kyoto-u.ac.jp/en">www.t.kyoto-u.ac.jp/en</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Civil and Earth Resources Engineering</li><li>Urban Management</li><li>Environmental Engineering</li><li>Architecture and Architectural Engineering</li><li>Mechanical Engineering and Science</li><li>Micro Engineering</li><li>Aeronautics and Astronautics</li><li>Nuclear Engineering</li><li>Materials Science and Engineering</li><li>Electrical Engineering</li><li>Electronic Science and Engineering</li><li>Material Chemistry</li><li>Energy and Hydrocarbon Chemistry</li><li>Molecular Engineering</li><li>Polymer Chemistry</li><li>Synthetic Chemistry and Biological Chemistry</li><li>Chemical Engineering</li></ul>

Courses		
<b>Agriculture</b> 農学研究科 <a href="http://www.kais.kyoto-u.ac.jp/english/">www.kais.kyoto-u.ac.jp/english/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Agronomy and Horticultural Science</li><li>Forest and Biomaterials Science</li><li>Applied Life Sciences</li><li>Applied Biosciences</li><li>Environmental Science and Technology</li><li>Natural Resource Economics</li><li>Food Science and Biotechnology</li></ul>
<b>Human and Environmental Studies</b> 人間・環境学研究科 <a href="http://www.h.kyoto-u.ac.jp/index_e.php">www.h.kyoto-u.ac.jp/index_e.php</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Human Coexistence</li><li>Cultural Coexistence</li><li>Interdisciplinary Environment</li></ul>
<b>Energy Science</b> エネルギー科学研究科 <a href="http://www.energy.kyoto-u.ac.jp/english/">www.energy.kyoto-u.ac.jp/english/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Socio-Environmental Energy Science</li><li>Fundamental Energy Science</li><li>Energy Conversion Science</li><li>Energy Science and Technology</li></ul>
<b>Asian and African Area Studies</b> アジア・アフリカ地域研究研究科 <a href="http://www.asafas.kyoto-u.ac.jp/en/">www.asafas.kyoto-u.ac.jp/en/</a>	<span>D</span>	<ul style="list-style-type: none"><li>Southeast Asian Area Studies</li><li>African Area Studies</li><li>Global Area Studies</li></ul>
<b>Informatics</b> 情報学研究科 <a href="http://www.i.kyoto-u.ac.jp/en/">www.i.kyoto-u.ac.jp/en/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Intelligence Science and Technology</li><li>Social Informatics</li><li>Advanced Mathematical Sciences</li><li>Applied Mathematics and Physics</li><li>Systems Science</li><li>Communications and Computer Engineering</li></ul>
<b>Biostudies</b> 生命科学研究科 <a href="http://www.lif.kyoto-u.ac.jp/e/">www.lif.kyoto-u.ac.jp/e/</a>	<span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Integrated Life Science</li><li>Systemic Life Science</li></ul>
<b>Advanced Integrated Studies in Human Survivability</b> 総合生存学館(思修館) <a href="http://www.gsais.kyoto-u.ac.jp/en-top/">www.gsais.kyoto-u.ac.jp/en-top/</a>	<span>D</span>	<ul style="list-style-type: none"><li>Advanced Integrated Studies in Human Survivability</li></ul>
<b>Global Environmental Studies</b> 地球環境学堂・地球環境学舎 <a href="http://www2.ges.kyoto-u.ac.jp/en/">www2.ges.kyoto-u.ac.jp/en/</a>	<span>D</span> <span>M</span> <span>D</span>	<ul style="list-style-type: none"><li>Global Environmental Studies</li><li>Environmental Management</li></ul>
<b>Government</b> 公共政策連携研究部 公共政策教育部 <a href="http://www.sg.kyoto-u.ac.jp/en/">www.sg.kyoto-u.ac.jp/en/</a>	<span>P</span>	<ul style="list-style-type: none"><li>Public Policy</li></ul>
<b>Management</b> 経営管理研究部 経営管理教育部 <a href="http://www.gsm.kyoto-u.ac.jp/en/">www.gsm.kyoto-u.ac.jp/en/</a>	<span>D</span> <span>P</span>	<ul style="list-style-type: none"><li>Management Science</li><li>Business Administration</li></ul>



# Undergraduate Faculties

	Courses
<b>Integrated Human Studies</b> 総合人間学部 <a href="http://www.h.kyoto-u.ac.jp/index_e.php">www.h.kyoto-u.ac.jp/index_e.php</a>	<div>B</div> <ul style="list-style-type: none"><li>Integrated Human Studies<ul style="list-style-type: none"><li>Human Sciences</li><li>Cognitive and Information Sciences</li><li>Multi-Disciplinary Studies of Civilizations</li><li>Cultural Environment Studies</li><li>Natural Sciences</li></ul></li></ul>
<b>Letters</b> 文学部 <a href="http://www.bun.kyoto-u.ac.jp/en/">www.bun.kyoto-u.ac.jp/en/</a>	<div>B</div> <ul style="list-style-type: none"><li>Letters</li></ul>
<b>Education</b> 教育学部 <a href="http://www.educ.kyoto-u.ac.jp/en/">www.educ.kyoto-u.ac.jp/en/</a>	<div>B</div> <ul style="list-style-type: none"><li>Educational Sciences</li></ul>
<b>Law</b> 法学部 <a href="https://law.kyoto-u.ac.jp/english/">https://law.kyoto-u.ac.jp/english/</a>	<div>B</div> <ul style="list-style-type: none"><li>Diverse law and politics curricula (courses for undergraduates are not predetermined).</li></ul>
<b>Economics</b> 経済学部 <a href="http://www.econ.kyoto-u.ac.jp/en/">www.econ.kyoto-u.ac.jp/en/</a>	<div>B</div> <ul style="list-style-type: none"><li>Economics and Management</li></ul>



	Courses
<b>Science</b> 理学部 <a href="http://www.sci.kyoto-u.ac.jp/en/">www.sci.kyoto-u.ac.jp/en/</a>	<div>B</div> <ul style="list-style-type: none"><li>Science</li></ul>
<b>Medicine</b> 医学部 <a href="http://www.med.kyoto-u.ac.jp/en/">www.med.kyoto-u.ac.jp/en/</a>	<div>B</div> <div>B</div> <ul style="list-style-type: none"><li>Medical Science</li><li>Human Health Sciences</li></ul>
<b>Pharmaceutical Sciences</b> 薬学部 <a href="http://www.pharm.kyoto-u.ac.jp/en/">www.pharm.kyoto-u.ac.jp/en/</a>	<div>B</div> <div>B</div> <ul style="list-style-type: none"><li>Pharmaceutical Sciences</li><li>Pharmacy</li></ul>
<b>Engineering</b> 工学部 <a href="http://www.t.kyoto-u.ac.jp/en/">www.t.kyoto-u.ac.jp/en/</a>	<div>B</div> <ul style="list-style-type: none"><li>Global Engineering</li><li>Architecture</li><li>Engineering Science</li><li>Electrical and Electronic Engineering</li><li>Informatics and Mathematical Science</li><li>Industrial Chemistry</li></ul>
<b>Agriculture</b> 農学部 <a href="http://www.kais.kyoto-u.ac.jp/english/">www.kais.kyoto-u.ac.jp/english/</a>	<div>B</div> <ul style="list-style-type: none"><li>Bioresource Science</li><li>Applied Life Sciences</li><li>Agricultural and Environmental Engineering</li><li>Food and Environmental Economics</li><li>Forest and Biomaterials Science</li><li>Food Science and Biotechnology</li></ul>



Degrees

- Bachelor's 

B

 / 6yrs. 

B



# Research Institutes

	Subsidiary Facilities
<b>Institute for Chemical Research (ICR)</b> 化学研究所 Research into the theory and application of specialized chemistry fields. <a href="http://www.kuicr.kyoto-u.ac.jp/sites/icr/">www.kuicr.kyoto-u.ac.jp/sites/icr/</a>	<ul style="list-style-type: none"><li>Advanced Research Center for Beam Science</li><li>International Research Center for Elements Science</li><li>Bioinformatics Center</li></ul>
<b>Institute for Research in Humanities</b> 人文科学研究所 Integrated research on cultures and societies around the world. <a href="http://www.zinbun.kyoto-u.ac.jp/e/">www.zinbun.kyoto-u.ac.jp/e/</a>	<ul style="list-style-type: none"><li>Center for Informatics in East Asian Studies</li><li>Research Center for Modern and Contemporary China</li></ul>
<b>Institute for Frontier Life and Medical Sciences</b> ウイルス・再生医科学研究所 Basic research in virology and regenerative medicine, and research into systems biology for medicine. <a href="http://www.infront.kyoto-u.ac.jp/?lang=en">www.infront.kyoto-u.ac.jp/?lang=en</a>	<ul style="list-style-type: none"><li>Research Center for Infectious Diseases</li><li>Laboratory of Animal Experiments for Regeneration</li></ul>
<b>Institute of Advanced Energy (IAE)</b> エネルギー理工学研究所 Research for the advancement of energy generation, conversion, and utilization. <a href="http://www.iae.kyoto-u.ac.jp/en/">www.iae.kyoto-u.ac.jp/en/</a>	<ul style="list-style-type: none"><li>Laboratory for Complex Energy Processes</li></ul>
<b>Research Institute for Sustainable Humanosphere (RISH)</b> 生存圏研究所 Research into humanosphere sciences and the development of human resources. <a href="http://www.rish.kyoto-u.ac.jp/?lang=en">www.rish.kyoto-u.ac.jp/?lang=en</a>	<ul style="list-style-type: none"><li>Center for Exploratory Research on the Humanosphere</li><li>Department of Collaborative Research Programs</li></ul>
<b>Disaster Prevention Research Institute (DPRI)</b> 防災研究所 Research into disaster sciences and comprehensive studies for disaster prevention. <a href="http://www.dpri.kyoto-u.ac.jp/en/">www.dpri.kyoto-u.ac.jp/en/</a>	<ul style="list-style-type: none"><li>Research Center for Disaster Reduction Systems</li><li>Research Center for Earthquake Prediction</li><li>Sakurajima Volcano Research Center</li><li>Research Center on Landslides</li><li>Research Center for Fluvial and Coastal Disasters</li><li>Water Resources Research Center</li></ul>

	Subsidiary Facilities
<b>Yukawa Institute for Theoretical Physics (YITP)</b> 基礎物理学研究所 Research into theoretical physics, including particle physics and other areas of basic physics. <a href="http://www.yukawa.kyoto-u.ac.jp/en-GB/">www.yukawa.kyoto-u.ac.jp/en-GB/</a>	
<b>Kyoto Institute of Economic Research (KIER)</b> 経済研究所 Comprehensive research into industry and economy. <a href="http://www.kier.kyoto-u.ac.jp/eng/">www.kier.kyoto-u.ac.jp/eng/</a>	<ul style="list-style-type: none"><li>Research Center for Economics of Complex Systems</li></ul>
<b>Research Institute for Mathematical Sciences (RIMS)</b> 数理解析研究所 Comprehensive research into mathematical sciences. <a href="http://www.kurims.kyoto-u.ac.jp/en/index.html">www.kurims.kyoto-u.ac.jp/en/index.html</a>	<ul style="list-style-type: none"><li>Computer Laboratory</li></ul>
<b>Research Reactor Institute (KURRI)</b> 原子炉実験所 Research into nuclear science and engineering, and the utilization of experimental nuclear reactor facilities. <a href="http://www.rri.kyoto-u.ac.jp/en">www.rri.kyoto-u.ac.jp/en</a>	<ul style="list-style-type: none"><li>Particle Radiation Oncology Research Center</li><li>Research Center for Safe Nuclear System</li></ul>
<b>Primate Research Institute (PRI)</b> 霊長類研究所 Comprehensive research into primate studies. <a href="http://www.pri.kyoto-u.ac.jp/index.html">www.pri.kyoto-u.ac.jp/index.html</a>	<ul style="list-style-type: none"><li>Center for Human Evolution Modeling Research</li><li>Center for International Collaboration and Advanced Studies in Primatology (CICASP)</li></ul>
<b>Center for Southeast Asian Studies (CSEAS)</b> / 東南アジア地域研究研究所 Comprehensive research into Southeast Asian and inter-area studies using integrated resources. <a href="http://en.kyoto.cseas.kyoto-u.ac.jp/">en.kyoto.cseas.kyoto-u.ac.jp/</a>	
<b>Center for iPS Cell Research and Application (CiRA)</b> / iPS細胞研究所 Research into the theory and application of sciences relating to iPS cells. <a href="http://www.cira.kyoto-u.ac.jp/e/">www.cira.kyoto-u.ac.jp/e/</a>	



# Centers and Organizations

**Academic Center for Computing and Media Studies (ACCMS)** / 学術情報メディアセンター  
www.media.kyoto-u.ac.jp/en

**Radiation Biology Center** / 放射線生物研究センター  
www.rbc.kyoto-u.ac.jp/about-rbc

**Center for Ecological Research (CER)** / 生態学研究センター  
www.ecology.kyoto-u.ac.jp/en/index.html

**Wildlife Research Center (WRC)** / 野生動物研究センター  
www.wrc.kyoto-u.ac.jp/en/

**Center for the Promotion of Excellence in Higher Education (CPEHE)**  
高等教育研究開発推進センター  
www.highedu.kyoto-u.ac.jp/en/

**The Kyoto University Museum** / 総合博物館  
www.museum.kyoto-u.ac.jp/index\_e.htm

**Field Science Education and Research Center (FSERC)** / フィールド科学教育研究センター  
fserc.kyoto-u.ac.jp/

**Fukui Institute for Fundamental Chemistry (FIFC)** / 福井謙一記念研究センター  
www.fukui.kyoto-u.ac.jp/

**Kokoro Research Center** / こころの未来研究センター  
kokoro.kyoto-u.ac.jp/en/

**Center for Cultural Heritage Studies** / 文化財総合研究センター  
www.kyoto-u.ac.jp/maibun/index-e.html

**Institute for Liberal Arts and Sciences (ILAS)** / 国際高等教育院  
www.z.k.kyoto-u.ac.jp/

**Agency for Health, Safety and Environment** / 環境安全保健機構  
www.esho.kyoto-u.ac.jp/

**Institute for Information Management and Communication (IIMC)** / 情報環境機構  
www.iimc.kyoto-u.ac.jp/en/

**Kyoto University Library Network** / 図書館機構  
www.kulib.kyoto-u.ac.jp/?lang=en

**Office of Society-Academia Collaboration for Innovation (SACI)** / 産官学連携本部  
www.saci.kyoto-u.ac.jp/en/

**International Strategy Office** / 国際戦略本部

**Kyoto University Institute for Advanced Study (KUIAS)** / 高等研究院  
kuias.kyoto-u.ac.jp/

• **Institute for Integrated Cell-Material Sciences (iCeMS)** / 物質－細胞統合システム拠点  
WPI Academy  
www.icems.kyoto-u.ac.jp/

**General Student Support Center** / 学生総合支援センター  
www.gssc.kyoto-u.ac.jp/

**Kyoto University Archives** / 大学文書館  
kua1.archives.kyoto-u.ac.jp/ja/english.html

**Center for African Area Studies (CAAS)** / アフリカ地域研究資料センター  
www.africa.kyoto-u.ac.jp/eng/enindex.html

**The Hakubi Center for Advanced Research** / 白眉センター  
www.hakubi.kyoto-u.ac.jp/eng/

**Center for the Promotion of Interdisciplinary Education and Research (C-PIER)**  
学際融合教育研究推進センター  
www.cpier.kyoto-u.ac.jp/  
\*Please Note: the main C-PIER website is in Japanese, but many of the units have websites in English.

**Kyoto University Research Administration Office (KURA)** / 学術研究支援室  
www.kura.kyoto-u.ac.jp/

**Gender Equality Promotion Office** / 男女共同参画推進本部  
www.cwr.kyoto-u.ac.jp/english/

**Kyoto University Research Coordination Alliance (KURCA)** / 研究連携基盤  
www.kurca.kyoto-u.ac.jp/

\*Please Note: some websites are only available in Japanese.



# Kyoto: Japan's Cultural Heartland

Tradition and Modernity in Harmony



A former capital of Japan with over 1,200 years of history, Kyoto has a rich cultural heritage that draws visitors from around the world. Home to 17 World Heritage Sites, many world-famous temples and shrines, ornate gardens, and traditional festivals.

Founded on a community of skilled artisans and craftspeople versed in aesthetics developed over a millennium, modern-day Kyoto has also produced frontier technologies and international business successes. It is a city in which one can find the best of both the old and the new. Students, researchers, and staff at Kyoto University find that the vibrant backdrop of Kyoto City brings constant inspiration and new discoveries in their daily lives and academic endeavors.

● Kyoto City Official Travel Guide  
[kyoto.travel/en](http://kyoto.travel/en)





# Campuses

Kyoto University comprises three campuses (Yoshida, Uji, and Katsura) and a number of research facilities located throughout Japan.

## Yoshida Campus



Yoshida Campus is located near the center of Kyoto City and is close to many scenic spots, such as the famous Kamo River. The university's main campus, it has long been a familiar landmark for Kyoto's citizens, and is always vibrant and bustling with activity. Buildings on the campus present a variety of architectural styles—from brick buildings dating back to the time of the university's establishment to modern laboratory buildings that house cutting-edge facilities.

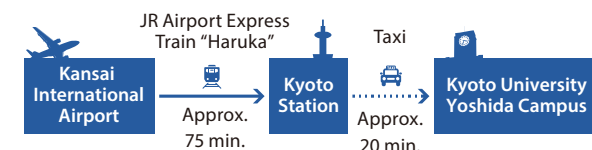
## Katsura Campus

Katsura Campus is located nine kilometers southwest of Yoshida Campus, and comprises three clusters of buildings overlooking Kyoto City. Conceived as a “Techno-Science Hill” for graduate studies in engineering, the campus is a locus where technology and science are combined to provide an innovative new style of education and research environment.

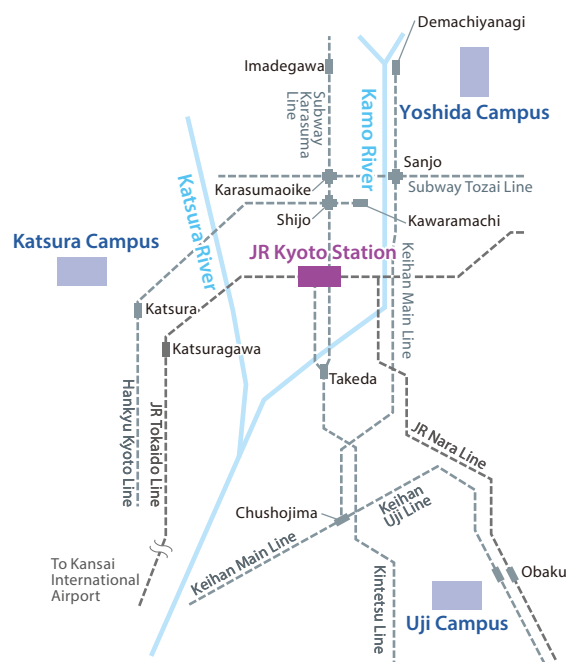


## Uji Campus

Located approximately 12 kilometers to the south of Yoshida Campus, Uji Campus is home to a number of state-of-the-art research institutes and centers, including many large-scale testing facilities devoted to laboratory work in the natural sciences and energy-related fields.



Further information [www.kyoto-u.ac.jp/en/access](http://www.kyoto-u.ac.jp/en/access)



Uji Campus → Yoshida Campus: Approx. 50 min. by taxi  
Katsura Campus → Yoshida Campus: Approx. 55 min. by taxi

## Facilities Nationwide

Since its establishment, Kyoto University has been renowned for the achievements of its diverse fieldwork endeavors. To facilitate those efforts, the university operates a number of facilities at various locations throughout Japan, each of which is a valuable resource for the activities of our researchers.



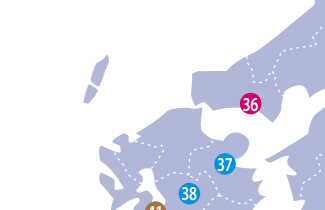
2 Hokkaido Forest Research Station Shiranuka Branch, Hokkaido



8 Hida Observatory, Gifu



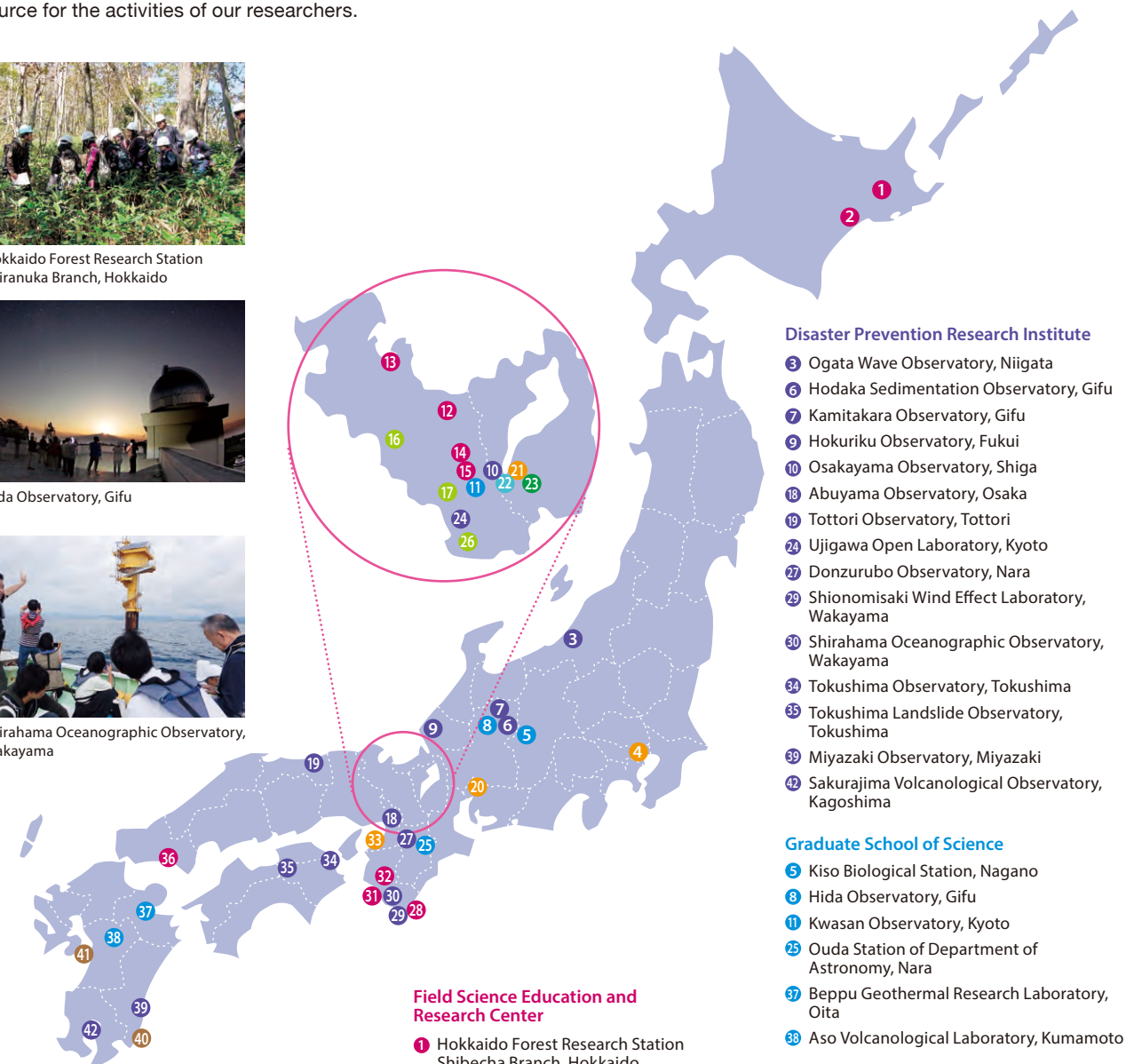
30 Shirahama Oceanographic Observatory, Wakayama



42 Sakurajima Volcanological Observatory, Kagoshima



42 Sakurajima Volcanological Observatory, Kagoshima



### Disaster Prevention Research Institute

- 3 Ogata Wave Observatory, Niigata
- 6 Hodaka Sedimentation Observatory, Gifu
- 7 Kamitaka Observatory, Gifu
- 9 Hokuriku Observatory, Fukui
- 10 Osakayama Observatory, Shiga
- 18 Abuyama Observatory, Osaka
- 19 Tottori Observatory, Tottori
- 24 Ujigawa Open Laboratory, Kyoto
- 27 Donzurubo Observatory, Nara
- 29 Shionomisaki Wind Effect Laboratory, Wakayama
- 30 Shirahama Oceanographic Observatory, Wakayama
- 34 Tokushima Observatory, Tokushima
- 35 Tokushima Landslide Observatory, Tokushima
- 39 Miyazaki Observatory, Miyazaki
- 42 Sakurajima Volcanological Observatory, Kagoshima

### Graduate School of Science

- 5 Kiso Biological Station, Nagano
- 8 Hida Observatory, Gifu
- 11 Kwasan Observatory, Kyoto
- 25 Ouda Station of Department of Astronomy, Nara
- 37 Beppu Geothermal Research Laboratory, Oita
- 38 Aso Volcanological Laboratory, Kumamoto

### Graduate School of Engineering

- 22 Research Center for Environmental Quality Management, Shiga

### Research Institute for Sustainable Humanosphere

- 23 Shigaraki MU Observatory, Shiga

### Wildlife Research Center

- 40 Koshima Field-Station, Miyazaki
- 41 Kumamoto Sanctuary, Kumamoto
- 43 Yakushima Field-Station, Kagoshima

### Other

- 4 Tokyo Office, Tokyo
- 20 Primate Research Institute, Inuyama, Aichi
- 21 Center for Ecological Research, Shiga
- 33 Kyoto University Research Reactor Institute, Kumatori, Osaka

### Field Science Education and Research Center

- 1 Hokkaido Forest Research Station Shibebe Branch, Hokkaido
- 2 Hokkaido Forest Research Station Shiranuka Branch, Hokkaido
- 12 Ashiu Forest Research Station, Kyoto
- 13 Maizuru Fisheries Research Station, Kyoto
- 14 Kamigamo Experimental Station, Kyoto
- 15 Kitashirakawa Experimental Station, Kyoto
- 28 Kii-Oshima Research Station, Wakayama
- 31 Seto Marine Biological Laboratory, Wakayama
- 32 Wakayama Forest Research Station, Wakayama
- 36 Tokuyama Experimental Station, Yamaguchi

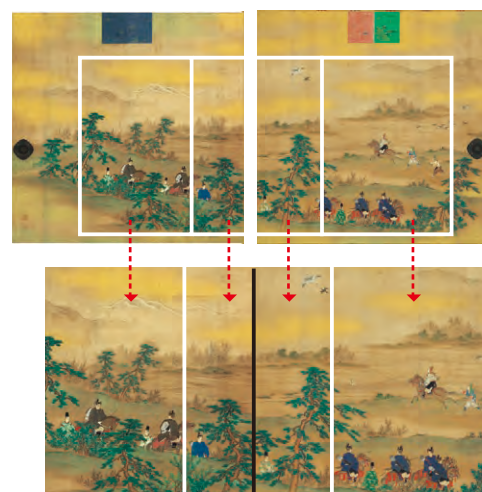
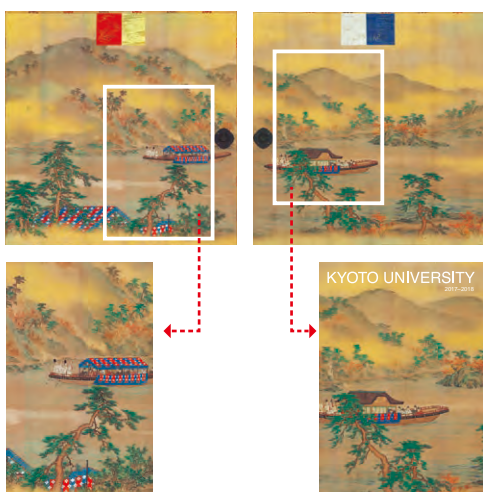
### Graduate School of Agriculture

- 16 Livestock Farm, Kyoto
- 17 Laboratory of Crop Evolution, Kyoto
- 26 Experimental Farm, Kyoto



# Cover Story

Scientific Recording of Cultural Heritage Assets by the Ide Laboratory



Located in Kyoto, a city of culture, art, and technology, the Ide Laboratory at Kyoto University has developed state-of-the-art imaging technologies to scientifically record cultural heritage artifacts in Kyoto and around the globe. The Ide Laboratory's high-precision imaging system for cultural assets digitizes large artworks such as Japanese screens (*byōbu*), papered sliding doors (*fusuma*), wall paintings, and precious old design maps of important historical buildings. It is distinct in its high dimensional and color reproduction accuracy, being one order of magnitude higher than commercial imaging systems. The digitization process has been carefully designed to minimize intrusive effects, and the lab has also been successful in adding analytical imaging features, which enables non-destructive and non-invasive analysis of material composition and color.

In 2011, the Ide Laboratory collaborated with Ninnaji Temple, designated as a UNESCO World Heritage site and an Important Cultural Property, to digitize on-site and record at a microscopic level the contents of an early Edo Period building, including its wall paintings and sculptures. The world's most advanced analytical imaging technologies were utilized for the recording and preservation of the building's heritage assets. The database of pigments and colorants from this project is expected to significantly enhance our understanding of the art and technologies of the early Edo period.

The image on the front of this brochure is a detail from the paintings in the *shinden* (palace and garden) of Ninnaji Temple. The remarkably well-preserved paintings are a valuable source

of historical data about the lifestyles of the people in the era depicted. "Mifune (Three-Boat) Festival on the Oi River" depicts a scene in the Arashiyama area of western Kyoto in which Fujiwara no Kintō (966–1041) and other talented members of the nobility are performing poetry and music on the three boats.

The image on the inner cover shows the Emperor hunting with falcons in Katano (present-day Osaka). As a pastime of Japan's nobility, falconry is believed to have a history of over 1600 years. It was recorded in the *Nihon Shoki* (The Chronicles of Japan), the second oldest record of Japanese history, dating from 720. Falconry flourished in Japan throughout the Edo Period. The era's first shogun, Tokugawa Ieyasu, enjoyed the sport, and used it to symbolize his authority and his plans, as the nation's ruler, to transform the violence of his conquest into a system of laws, art, and social activities with an emphasis on peace.

During the past decade, the Ide Laboratory has carried out projects in China (Mainland, Hong Kong, Inner Mongolia), the UK, Spain, Italy, Korea, Egypt, Iran, the Philippines, Myanmar, and the USA, as well as at over fifty sites in Japan. Recently, with the support of the Japanese Cultural Heritage Agency and other organizations, the lab is placing a particular emphasis on international on-site education and manpower training to protect endangered cultural assets. Through this work, the lab seeks to establish a global network for collaboration to preserve and utilize the world's cultural resources, and pass them down to the next generation.

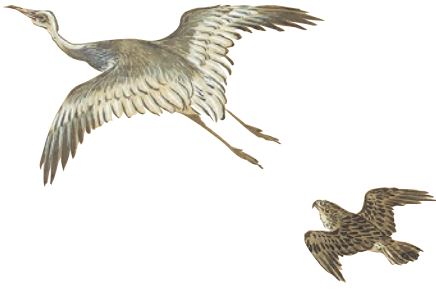




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