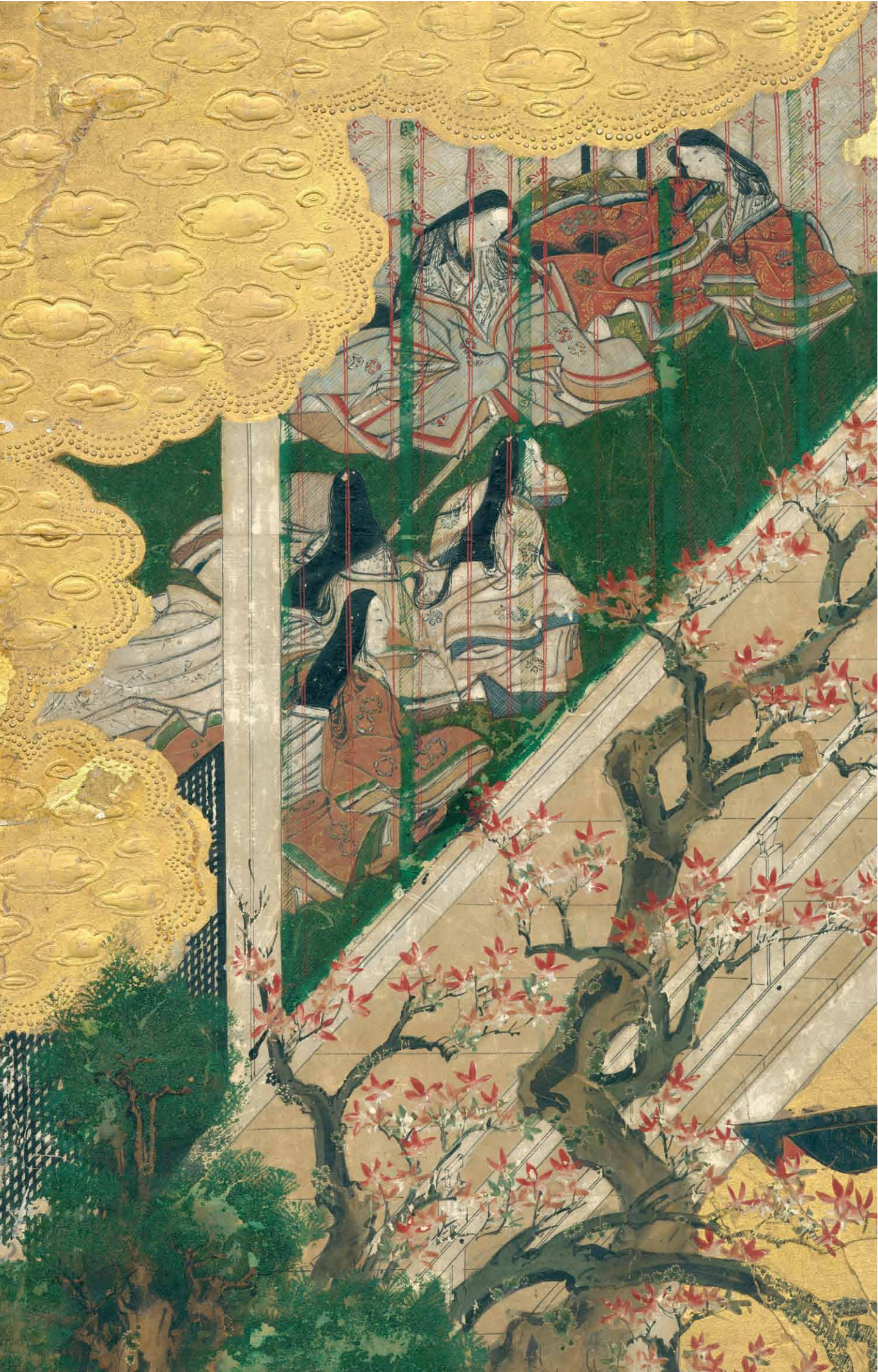


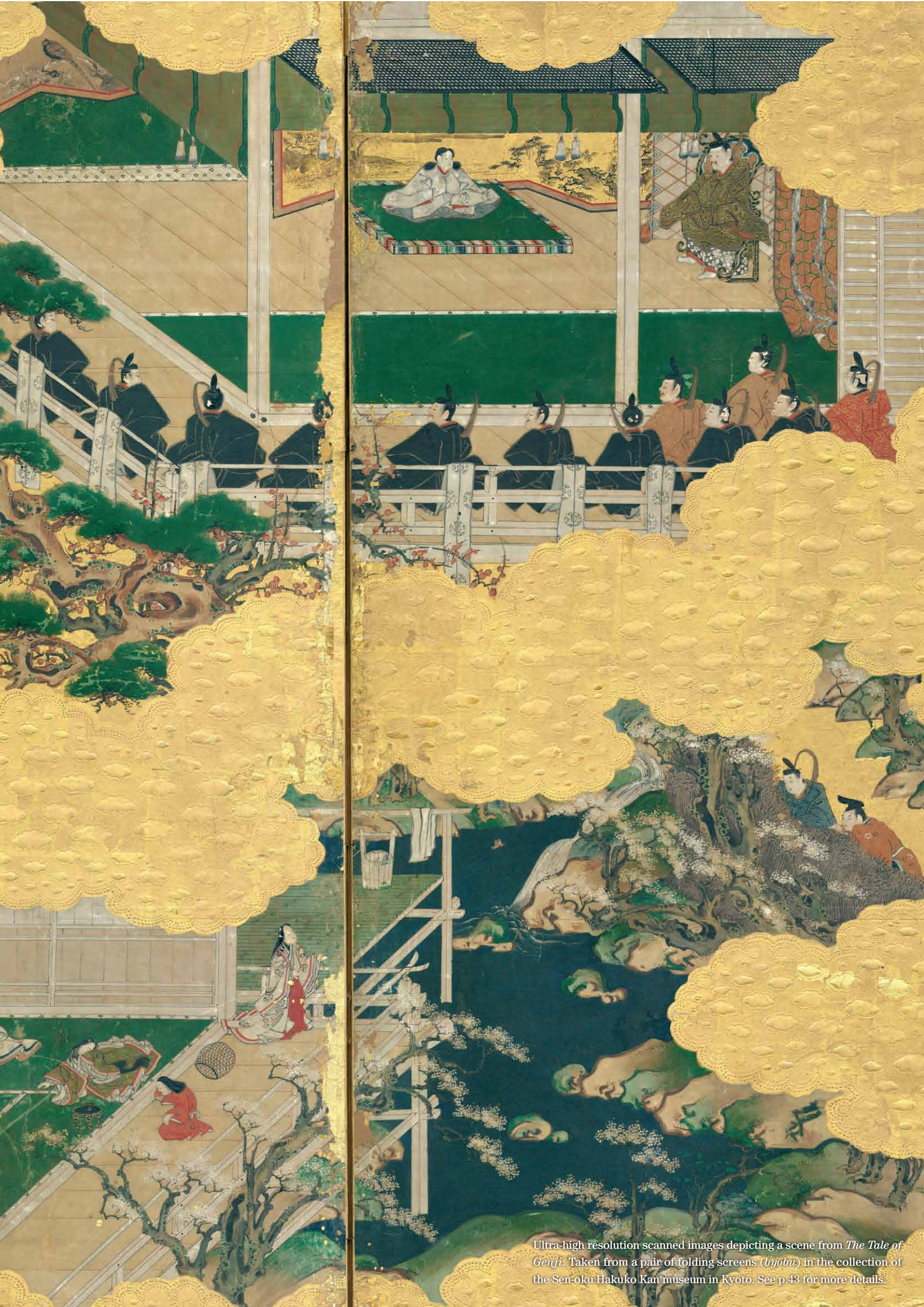


KYOTO UNIVERSITY

AT A GLANCE | 2016-2017 |







Ultra-high resolution scanned images depicting a scene from *The Tale of Genji*. Taken from a pair of folding screens (*byōbu*) in the collection of the Sen-oku Hakuko Kan museum in Kyoto. See p.43 for more details.



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- P.6** Award-Winning Research
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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

“A window to society, the world, and all of the possibilities therein.”

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. It is my goal, therefore, 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, and give our talented and ambitious students a helping hand to get out there and realize their full potential. In line with this concept, I have adopted the word “WINDOW” as the keyword for Kyoto University’s current phase, with each of its letters standing to remind us of our key objectives.

I aim to realize all of the facets of Kyoto University’s WINDOW, and thereby enhance our system to promote creative world-leading research, and make the university even more interdisciplinary and internationally oriented. I aim to provide educational curricula that will enable students to engage in cutting-edge research from their very first year, and which, through experiments, fieldwork, and dialogue, will allow them to fully benefit from the special qualities of Kyoto University.

I look forward to welcoming you to our campuses so that you can experience our unique brand of academic freedom and creativity for yourself. We have prepared a place for you—a place where you can excel and realize your full potential.



Juichi Yamagiwa
April 2016



▶ www.kyoto-u.ac.jp/en/about/president/profile.html

W
Wild and Wise

We seek to foster wisdom and a “wild” adventurous spirit in our students by providing a diverse education and research environment that offers practical opportunities to explore uncharted academic terrain, and fostering the necessary judgment and decision-making skills to determine the best way forward when encountering unexpected new discoveries.

I
International and Innovative

By providing our students and researchers with a richly international environment, keeping abreast of international developments, and engaging in an ongoing dialogue with the international community, we aim to provide a fertile ground for the generation of innovation and discovery. These efforts are further enhanced by our diverse spectrum of engagements with overseas universities, research institutions, and industry.

N
Natural and Noble

The historic city of Kyoto, abundantly blessed with the gifts of nature, has been an important environmental factor in the development of Kyoto University’s creative and pioneering spirit. We must never forget that there is always more to be learned from nature, and we must strive to maintain an awareness of our human dignity as a part of the natural world.

D
Diverse and Dynamic

Modern globalized society has entered an era of diverse cultural intermingling. Kyoto University provides an environment that encourages academic freedom and welcomes diverse cultures and ways of thinking. We develop our students and researchers’ awareness of their place in the long span of history, and foster in them the conviction to step forward play their part with confidence.

O
Original and Optimistic

Within the creative process, we often experience failures, and our ideas are subject to criticism. In the face of such trails, it is vital to maintain an optimistic outlook. At Kyoto University, discussions and debates are a way to mutually enhance the knowledge and understanding of all parties and integrate new ways of thinking. We encourage trans-disciplinary discussions as a wellspring of creativity.

W
Women, leaders in the Workplace

In order to flourish and effectively serve society, it is vital that universities support the advancement of women in faculty, research, and executive positions, and facilitate their contribution to scholarship and society. Kyoto University is making every effort to ensure that men and women are working together on an equal footing towards a society imbued with hope and potential.

▶ www.kyoto-u.ac.jp/en/about/operation/window.html

History of Kyoto University

2016



2004

Kyoto University and all national universities incorporated in 2004.



1897

The Third High School was subsequently relocated once again, and Kyoto Imperial University was established at its former location on June 18, 1897.



1869

The Seimikyoku was established in Osaka as a school of higher learning in chemistry and physics.

2016
2010
2004
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1880
1875
1870
1869



1947

Renamed Kyoto University in 1947.



1889

Known at this point as the Third High School, the institution was relocated to Kyoto in August 1889.

Award-Winning Research

Kyoto University is acknowledged as one of the most accomplished research-oriented universities in Asia. That reputation is testified by the accolades conferred on our alumni and researchers, most notably nine Nobel Prize laureates who undertook vital research during their time at the university. In addition to those awards, several other Kyoto University faculty members have received major accolades, including two Fields Medalists, one Gauss Prize winner, and five Lasker Award winners.

Nobel Prize



1949, Physics
Hideki Yukawa



1965, Physics
Shinichiro Tomonaga



1981, Chemistry
Kenichi Fukui



1987, Physiology and
Medicine
Susumu Tonegawa



2001, Chemistry
Ryoji Noyori



2008, Physics
Makoto Kobayashi



2008, Physics
Toshihide Maskawa



2012, Physiology or
Medicine
Shinya Yamanaka



2014, Physics
Isamu Akasaki

Fields Medal



1970, Mathematics
Heisuke Hironaka



1990, Mathematics
Shigefumi Mori



2006, Mathematics
Kiyoshi Ito

Japan Prize



2005, Information and
Media Technology
Makoto Nagao



2005, Cell Biology
Masatoshi Takeichi



1987, Basic Medical
Research
Susumu Tonegawa

*photos provided by the Japan Prize Foundation

Lasker Award



1989, Basic Medical
Research
Yasutomi Nishizuka



1998, Basic Medical
Research
Yoshio Masui



2009, Basic Medical
Research
Shinya Yamanaka



2014, Basic Medical
Research
Kazutoshi Mori

Gauss Prize

Kyoto Prize



1970, Mathematics
Heisuke Hironaka



1990, Mathematics
Shigefumi Mori



2006, Mathematics
Kiyoshi Ito



1995, Basic Sciences
Chushiro Hayashi



1998, Basic Sciences
Kiyoshi Ito



2004, Advanced Technology
Alan Curtis Kay



2010, Advanced Technology
Shinya Yamanaka



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



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



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

Students **22,800**



Undergraduate **13,500**

Graduate **9,300**

International Students **2,000**

▶ See Facts and Figures p. 4, p. 16

2 Semesters



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

Faculty and Staff Members

7,100



Faculty **3,400** | Non-Teaching Researchers **530** | Non-Teaching Staff **3,200** | International Faculty and Staff **400**

▶ See Facts and Figures p. 4



(As of Jan. 1, 2017)

▶ See p. 35

3 Campuses
in Kyoto City

The cultural heart of Japan

▶ See p. 33

9 Nobel Laureates

2 Fields Medalists | **1** Gauss Prize Winner | **5** Lasker Award Winners

▶ See p. 6

JPY (Japanese Yen)
172 Billion
(USD 1,531 million)
Expenditure in FY 2015

▶ See Facts and Figures p. 5

Established in

1897 The second oldest national university in Japan



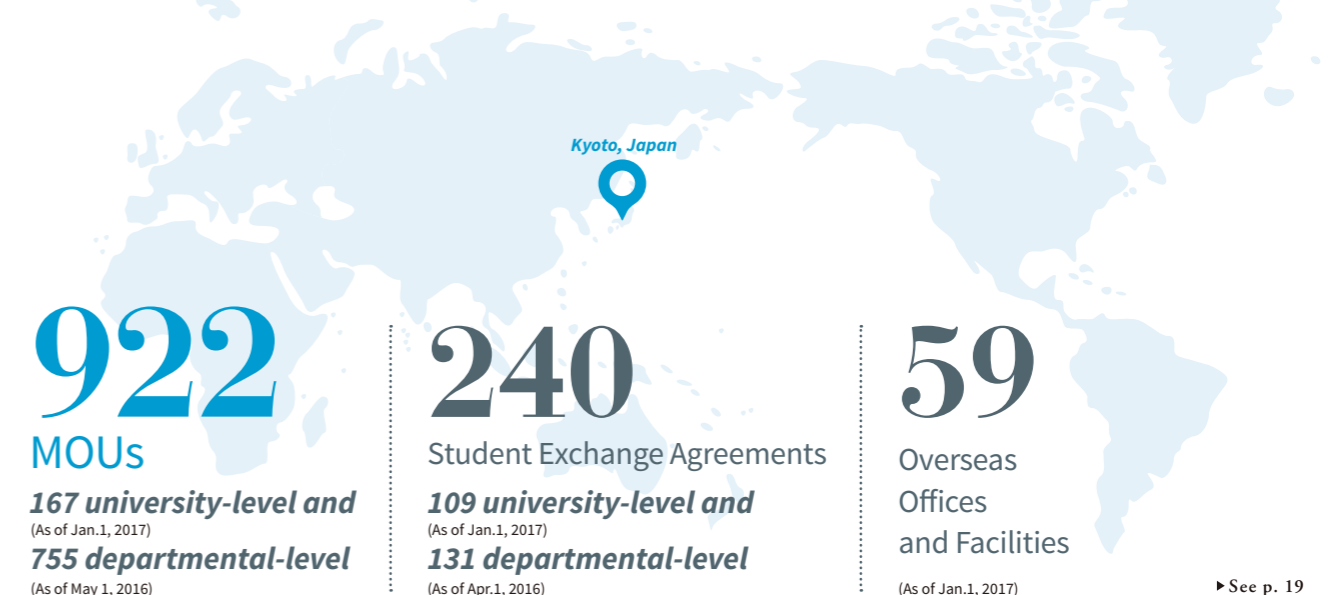
- Research oriented
- Tradition of pioneering fieldwork
- Reflecting the philosophic traditions of Kyoto

▶ See p. 5

43
Research and Educational Facilities
in Japan

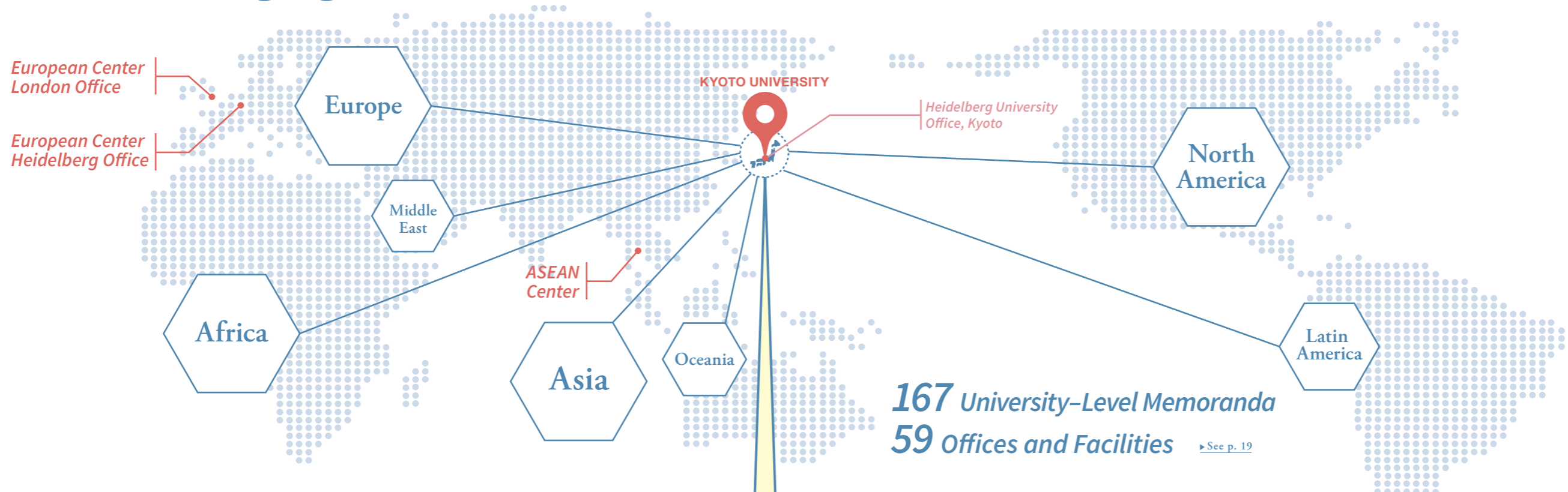
▶ See p. 17

Overseas Partner Institutions



▶ See p. 19

Global Engagement



167 University-Level Memoranda
59 Offices and Facilities [▶ See p. 19](#)

International Hub for Advanced Research and Education

A future-oriented university centered on the circulation of knowledge and human resources in the international community

Education

Top Global University Program and other initiatives

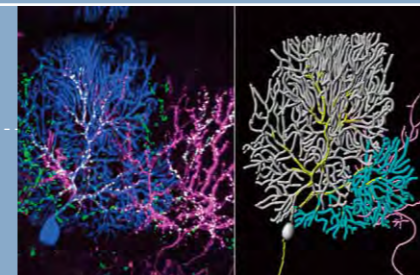
[▶ See p. 11](#)



Research

World Premier International Research Center (WPI) and other initiatives

[▶ See p. 13](#)



Unique Opportunities and Social Contribution

Diverse Initiatives
 Contributions to Global Issues

[▶ See p. 15](#)



Integration of education and research

On the Cutting-Edge

Share knowledge with society

Social Sciences and Humanities

Human Biosciences

Chemistry and Chemical Engineering

Mathematics

Environmental Studies

Public Health

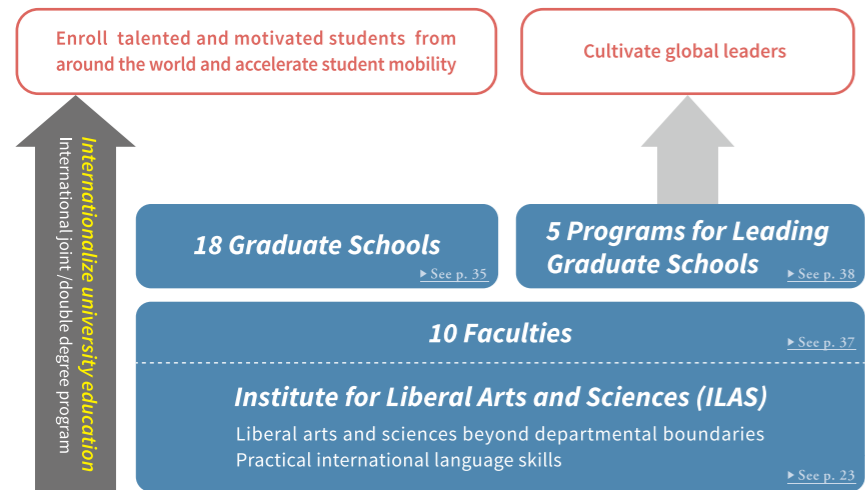
▶ Cultivating future generations of human resources who can utilize their expertise in the international community

▶ Promoting human resource exchange create new industries and accelerate

with the economic and industrial sectors to technological innovation

▶ Implementing strategic collaboration with world-leading universities to lead advanced academic research

Education



English-Taught Classes

ILAS currently offers over 220 classes in English, with more classes being added continuously.

Programs for Leading Graduate Schools

Five-year interdisciplinary program [▶ See p. 38](#)

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.

Student Exchange Programs

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

[▶ See p. 38](#)

Kyoto-U OpenCourseWare (OCW)

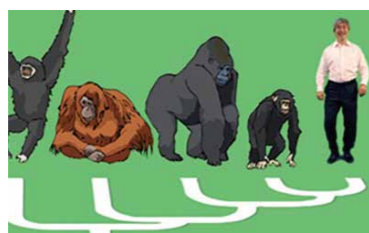
Kyoto-U OCW aims to make Kyoto University's course materials freely available online and provide people around the world with the opportunity to access the university's lectures, including lectures on different aspects of Japanese culture.

ocw.kyoto-u.ac.jp/en

KyotoUx: Kyoto University MOOCs

Kyoto University is a charter member of edX, an international consortium of institutions offering massive open online courses (MOOCs). We offer a range of courses on our edX platform: KyotoUx.

www.edx.org/school/kyotoux



President Juichi Yamagiwa's MOOC: *Evolution of the Human Sociality: A Quest for the Origin of Our Social Behavior*

English-Taught Degree Programs

Kyoto University offers a range of English-taught degree programs, making the university's world-class facilities and instruction available to students without Japanese language ability. [▶ See p. 38](#)

The Re-Inventing Japan Project

A government funding project that aims to foster internationally competent human resources by providing financial support to collaborative student exchange programs between Japanese universities and universities in the ASEAN region, the US, and other areas. Kyoto University's initiatives under the project include:

- AUN-KU Student Mobility Program toward Human Security Development www.hsd.cpier.kyoto-u.ac.jp/en/

- Rediscovering Japan through Collaboration in the Open ASEAN + 6: International Human Resource Development Centering on the SEND Program

www.jsps.go.jp/j-tenkaiyoku/data/h26/ii-3_26E.pdf

Double Degree Programs

Kyoto University's graduate schools offer double degree programs in cooperation with international partner universities. Graduates from such programs receive degrees from both Kyoto University and the partner institution.

The Studying Japan and Asia in Kyoto Program

An inter-faculty program covering the cultures, societies, economies, and environments of Japan and the Asian region. The program makes full use of our location in the culturally abundant city of Kyoto.

www.kuas.cpier.kyoto-u.ac.jp/keitou/about.html

Japan Gateway: Kyoto University Top Global Program

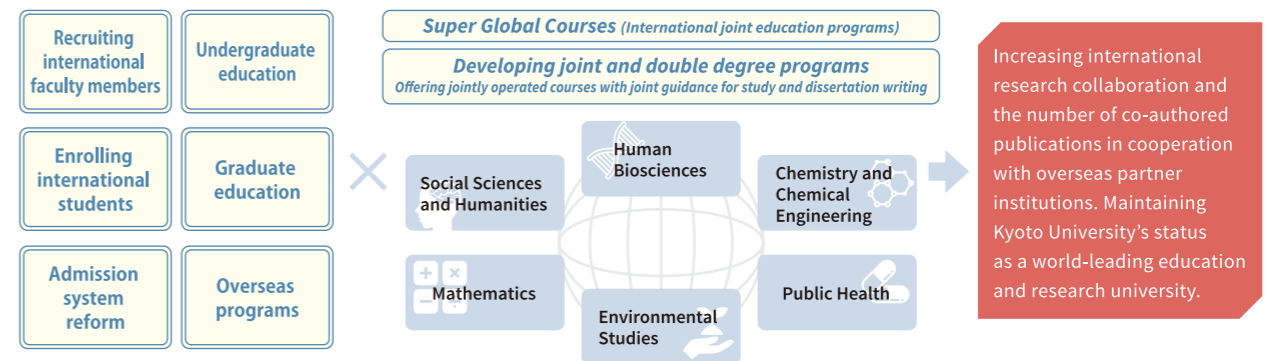
www.jgp.kyoto-u.ac.jp/en/

Program Summary

The Top Global Program comprises a range of graduate school programs that focus on research areas in which Kyoto University has a particularly high degree of international competitiveness. The programs are jointly 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.

In addition to internationalizing its graduate-level education through the Top Global Program, Kyoto University is also engaged in internationalizing numerous aspects of its undergraduate education, including reforms to the admission system, increasing the number of international faculty members, increasing inbound and outbound student mobility, and increasing the number of courses offered in English. Through these measures, the university seeks to further enhance its education and research strengths and cultivate the next generation of world-leading researchers.

Education reforms: from the admission process to the graduate school level. A ten-year vision in tandem with internationalization efforts to cultivate the next generation of world-leading researchers.



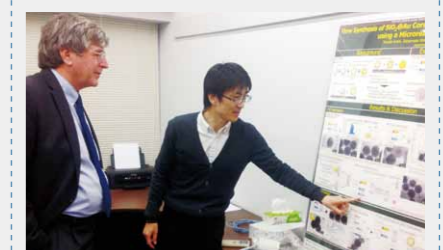
Social Sciences and Humanities



Human Biosciences



Chemistry and Chemical Engineering



Mathematics



Environmental Studies

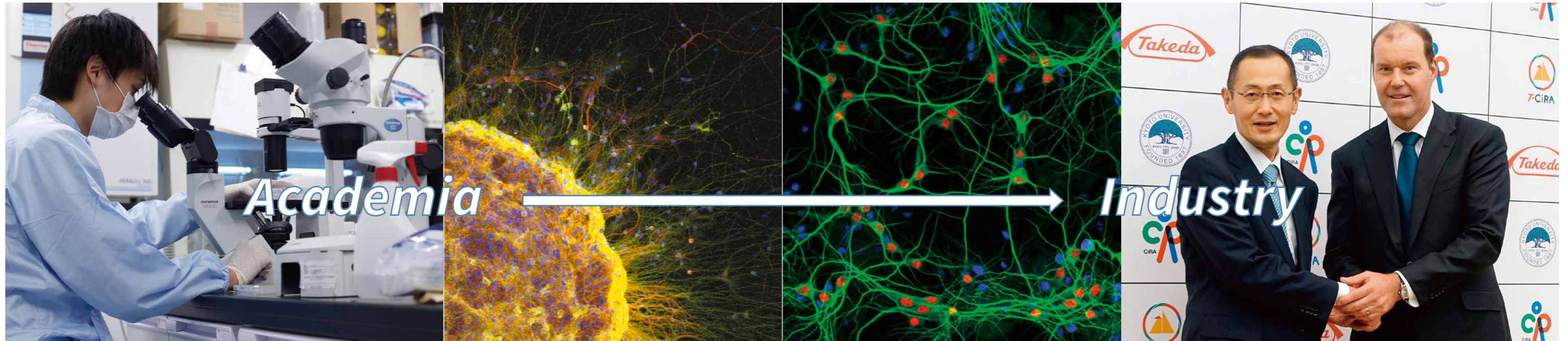


Public Health



Research

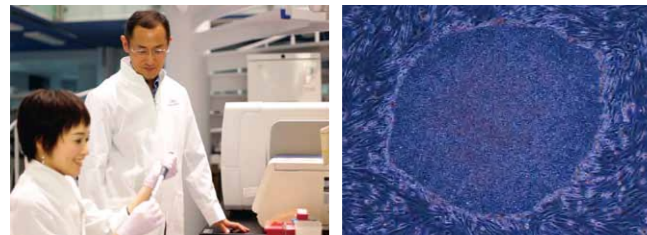
Strategic Collaboration with
Advanced Research Institutes and Industry



Cutting-Edge Research

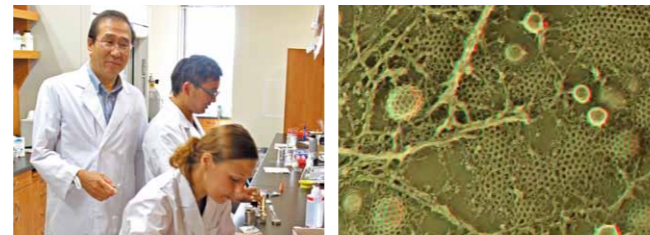
Center for iPS Cell Research and Application (CiRA)

www.cira.kyoto-u.ac.jp/e/



Institute for Integrated Cell-Material Sciences (iCeMS)

www.icems.kyoto-u.ac.jp/e/



Strategic Collaboration with Industry and Government

The Office of Society-Academia Collaboration for Innovation (SACI) aims to provide a one-stop shop for companies who are interested in collaborating with Kyoto University. It provides up-to-date information on technologies in various stages of development at the university—not only research results and patented technologies, but also those which are still in the process of development. SACI coordinates and supports domestic and international collaboration with companies, research institutions, and governments.



Promoting Research for Sustainable Development

Japan-ASEAN Science, Technology and Innovation Platform (JASTIP)*



(*JST Strategic International Collaborative Research Program: SICORP)



Strategic Financial Support and the Provision of Diverse Opportunities

Supporting Program for InteRaction-based Initiative Team Studies (SPIRITS)

SPIRITS

SPIRITS supports ambitious research that crosses international and interdisciplinary boundaries to challenge research frontiers and explore uncharted realms of science.

Contact ▶ **Kyoto University Research Administration Office (KURA)**
intl@kura.kyoto-u.ac.jp
www.kura.kyoto-u.ac.jp/en/

Kyoto University Innovation Capital Co. Ltd. (KYOTO-iCAP)

To connect the university's cutting-edge fundamental research findings to the establishment of new business ventures, KYOTO-iCAP manages a fifteen-year investment fund (launched in January 2016) to provide support and seed funding to university-based venture initiatives from an early stage.

www.kyoto-unicap.co.jp/index.html

Center of Innovation (COI)

Through the development of new technologies such as sensor networks, preventative and proactive medicine, cordless power transmission systems, and ICT, the COI aims to create a smart, flexible, and accommodating society that provides peace of mind to the general public.

www.coi.kyoto-u.ac.jp/en



Contact ▶ **Office of Society-Academia Collaboration for Innovation (SACI)** info@saci.kyoto-u.ac.jp www.saci.kyoto-u.ac.jp/en/

Unique Opportunities

at Kyoto University



International Study and Training Opportunities

The John Mung Program

A university-wide program for young Kyoto University researchers, staff, and students that aims to cultivate a new generation of skilled internationally-minded leaders by providing study and training opportunities at overseas universities, research institutions, and other organizations.

www.john-man.rp.kyoto-u.ac.jp/en/

The Hakubi Project

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

www.hakubi.kyoto-u.ac.jp/eng



The 3rd HAKUBI Symposium: Encounters: Actions and Reactions—Thinking “The Encounter” Through History, Art, Film, and Fieldwork

Center for the Promotion of Interdisciplinary Education and Research (C-PiER)

Through C-PiER, groups of researchers from different fields form limited-term research teams called “units” to work together on issues of common interest. There are currently over thirty units operating within C-PiER.

Kyoto University Institute for Advanced Study

The Kyoto University Institute for Advanced Study was established in April 2016 with the aim of providing a platform for high-level international research collaboration. The institute employs internationally renowned scientists as distinguished professors.

International Symposia

Kyoto University hosts and participates in a wide range of international symposia and academic meetings. By bringing together the 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.

www.oc.kyoto-u.ac.jp/symposium/en/

▶ See Facts and Figures p. 19

- Kyoto University-UC San Diego Joint Symposium, Mar 2016 at UC San Diego
- UCL-Kyoto Grand Challenges Symposium, Dec 2015 at Kyoto University
- Bristol-Heidelberg-Kyoto Joint Symposium, Nov 2015 at the University of Bristol
- Kyoto-Bordeaux Joint Symposium, May 2015 at Kyoto University
- Sweden-Kyoto Symposium, Sep 2014 at Stockholm University



Bristol-Heidelberg-Kyoto Joint Symposium

International University Consortia

Strategic Collaboration with World-Leading Universities



APRU (Association of Pacific Rim Universities)
www.apru.org



AEARU (The Association of East Asian Research Universities)
www.aearu.org



AUN (ASEAN University Network) / ASEAN+3 Unet
www.aunsec.org



IAU (International Association of Universities)
www.iau-aiu.net/



HeKKSaGon (German-Japanese University Network)
www.hekksagon.net/



RENKEI (Japan-UK Research and Education Network for Knowledge Economy Initiatives)
www.britishcouncil.jp/en/programmes/higher-education/university-industry-partnership/renkei



USJI (U.S.-Japan Research Institute)
www.us-jpri.org/en/

Social Contribution

Academia >>>>> Society

Contributing to Global Society and the Local Community



Social Services for Local Communities

Center of Community (COC) program

This project provides a forum for exchange between local communities and universities. It aims to apply the advanced knowledge developed by universities to solutions for regional problems.

www.kyoto-u.ac.jp/cutting-edge/project/page02.html

Service Learning

Collaboration with Kyoto City to realize the Kyoto Academia Concept

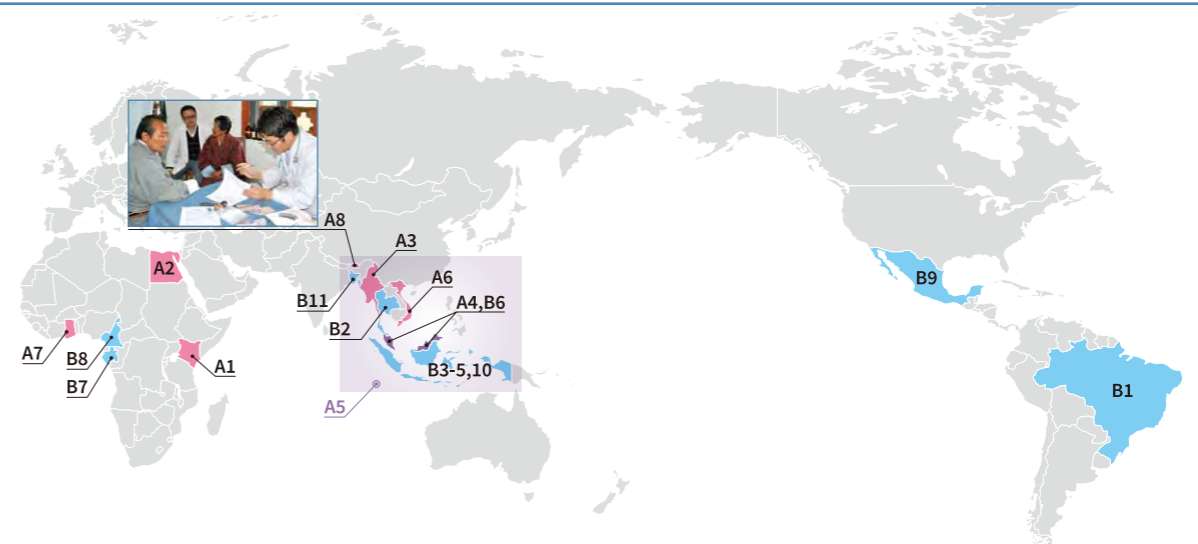


The Kyoto Internship Program



Intercultural Discussion

Contributions to Global Issues



International Projects to Cultivate Human Resources

- A1: Kenya** AFRICA-ai-JAPAN Project with Jomo Kenyatta University of Agriculture and Technology (JKUAT)
- A2: Egypt** Egypt-Japan University of Science and Technology (E-JUST)
- A3: Myanmar** Enhancement of Engineering Higher Education
- A4: Malaysia** International Hub of Japanese-Style Engineering Education
- A5: ASEAN** AUN / SEED-Net
- A6: Viet Nam** Disaster Education Programs in Hue City (JICA Grassroots Project)
- A7: Ghana** Enhancing Livelihoods in Ghana (JICA Grassroots Project)
- A8: Bhutan** Training of Trainers (ToT) for Community-Based Medical Care

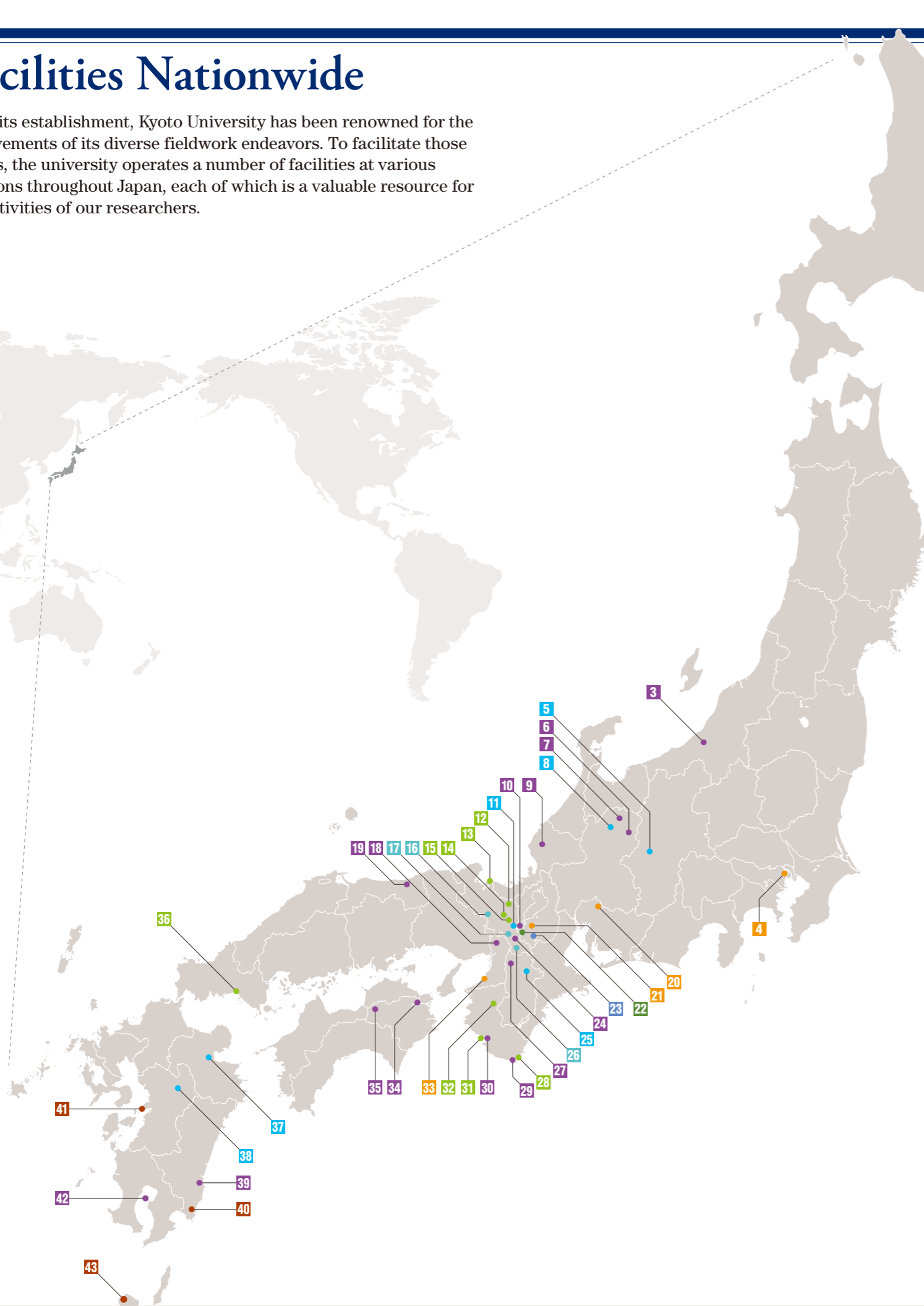
Science and Technology Research Partnerships for Sustainable Development (SATREPS)

Four areas of research focus: Environment/Energy (B1-7), Bioresources (B8), Disaster Prevention and Mitigation (B9-11), and Infectious Disease Control

- B1: Brazil**
- B2: Thailand**
- B3-5: Indonesia**
- B6: Malaysia**
- B7: Gabon**
- B8: Cameroon**
- B9: Mexico**
- B10: Indonesia**
- B11: Bangladesh**

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.



Disaster Prevention Research Institute

3	Ogata Wave Observatory, Niigata
6	Hodaka Sedimentation Observatory, Gifu
7	Kamitakara 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	Shionomizaki 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 Shibecha 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

Facilities and Partners Worldwide

Kyoto University has concluded general memoranda for academic exchange and cooperation with leading universities and academic consortia around the world. The university also operates a growing number of overseas offices and research stations, as well as three university branch offices in Thailand, Germany, and the UK.



Overseas Branch Offices

	Location	Name (Year Established)	Affiliation
A	London, UK	Kyoto University European Center, London Office (2009)	Kyoto University
B	Heidelberg, Germany	Kyoto University European Center, Heidelberg Office (2014)	
C	Bangkok, Thailand	Kyoto University ASEAN Center (2014)	

Overseas Offices and Facilities

1	Beijing, China	Kyoto University-Renmin University Joint Research Center (2008)	Graduate School of Economics
2	Shenzhen, China	Kyoto University-Tsinghua University Cooperative Research and Education Center for Environmental Technology (2005)	Graduate School of Engineering
3	Kuala Lumpur, Malaysia	Kyoto University-University of Malaya Overseas Base in Malaysia for Education and Research (2010)	
4	Bandung, Indonesia	Global Center of Excellence Kyoto University - Institut Teknologi Bandung for GCOE Joint Research and Education Center (2008)	
5	Bangkok, Thailand	Satellite Office at Chulalongkorn University (2004)	Graduate School of Science
6	Libreville, Gabon	Research Base for Biodiversity of African Tropical Forest (2009)	Graduate School of Science, Observatories
7	Ica, Lima, Peru	CHAIN Peru Station (2010)	
8	Khon Kaen, Thailand	Khon Kaen Research Office of the Graduate School of Agriculture, Kyoto University (1996)	Graduate School of Agriculture
9	Kota Kinabalu, Malaysia	Japanese Research-Team Laboratory, Kinabalu Park Headquarters (1995)	
10	Sandakan, Malaysia	Japanese Research-Team Laboratory, Deramakot Forest Reserve (2003)	
11	Bangkok, Thailand	Kyoto University Research Office at Kasetsart University (2014)	
12	Taipei, Taiwan	Overseas Office of Graduate School of Agriculture, Kyoto University at NTU (2015)	Graduate School of Agriculture / Graduate School of Global Environmental Studies
13	Bogor, Indonesia	Kyoto University Satellite Office at Bogor Agricultural University (2015)	
14	Addis Ababa, Ethiopia	Ethiopia Field Station (2003)	Graduate School of Asian and African Area Studies / Center for African Area Studies
15	Ndongo Village, Cameroon	Cameroon Field Station (2003)	
16	Nairobi, Kenya	Nairobi Field Station (2003)	
17	Lusaka, Zambia	Zambia Field Station (2003)	
18	Dar es Salaam, Tanzania	Tanzania Field Station (2003)	
19	Windhoek, Namibia	Namibia Field Station (2008)	
20	Niamey, Niger	Niger Field Station (2012)	
21	Vientiane, Laos	Laos Field Station (2002)	
22	Makassar, Indonesia	Makassar Field Station (2003)	
23	Phnom Penh, Cambodia	Cambodia Field Station (2010)	

	Location	Name (Year Established)	Affiliation
24	Pekanbaru, Indonesia	Pekanbaru Field Station (2010)	Graduate School of Asian and African Area Studies / Center for Southeast Asian Studies
25	Yangon, Myanmar	Myanmar Field Station (2003)	
26	Hue, Vietnam	Hue Kyoto University GSGES Office (2006)	Graduate School of Global Environmental Studies
27	Hanoi, Vietnam	Hanoi Kyoto University GSGES Office (2008)	
28	Danang, Vietnam	Danang Kyoto University GSGES Office (2006)	
29	Bangkok, Thailand	Mahidol Kyoto University GSGES Office (2016)	
30	Pathumthani, Thailand	Thai Research Station Collaborative Research Laboratory (2003)	Institute of Advanced Energy
31	Pathumthani, Thailand	JASTIP Energy & Environment Joint Laboratory (2016)	
32	Bangkok, Thailand	JASTIP Energy & Environment Joint Laboratory (2016)	Research Institute for Sustainable Humanosphere
33	Bukittinggi, Indonesia	Equatorial Atmosphere Radar (2001)	
34	Bogor, Indonesia	RISH-RDUB Satellite Office (2004)	
35	Muaraenim, Indonesia	MHP Acacia Research Office (2005)	
36	Bogor, Indonesia	Bioresources & Biodiversity Joint Laboratory (2016)	
37	Kuala Lumpur, Malaysia	JASTIP Disaster Prevention Joint Laboratory (2016)	
38	Hanoi, Vietnam	JASTIP Disaster Prevention Joint Laboratory (2016)	Disaster Prevention Research Institute
39	Djolu, D/R Congo	Research Project on Bonobos in the Luo Reserve (1973)	
40	Bossou, Guinea	Bossou-Nimba Research Station (1976)	Primate Research Institute
41	Bushenyi, Uganda	Kalinzu Forest Research Project by the Primate Research Institute (1997)	
42	Bukit Merah, Malaysia	Orangutan Rehabilitation Project (2011)	
43	Bangkok, Thailand	Bangkok Liaison Office (1963)	Center for Southeast Asian Studies
44	Jakarta, Indonesia	Jakarta Liaison Office (1970)	
45	Lima, Peru	Lima Office (2006)	
46	Bangkok, Thailand	JASTIP Core Center (Main Office) (2016)	
47	Beijing, China	Kyoto University Liaison Office at Tsinghua University (2006)	Office of Society-Academia Collaboration for Innovation
48	Miri, Malaysia	Field Station for Tropical Forest and Biodiversity Studies (1991)	Center for Ecological Research
49	Kigoma, Tanzania	Kyoto University African Ape Expedition (1965)	Wildlife Research Center
50	Arusha, Tanzania	African Anthropological and Biological Field Research Center (2006)	
51	Danum Valley, Malaysia	Kuala Sungai Danum Research Station (2010)	
52	Dar es Salaam, Tanzania	Tanzania Office (2014)	
53	Accra, Ghana	Ghana Office (2009)	
54	Viana do Castelo, Portugal	Portugal Research Station (2016)	
55	Mbali, D/R Congo	D/R Congo Research Station (2016)	Institute for Integrated Cell-Material Sciences
56	Bangalore, India	iCeMS Satellite at NCBS-inStem (2011)	

Library

The Kyoto University Library holds the third largest library collection in Japan. As of March 2016, Kyoto University's libraries and reference rooms have a combined total of 3,638,607 Japanese books, 3,266,506 international books, 64,814 Japanese magazines and periodicals, and 58,479 international magazines and periodicals.



Kyoto University Digital Library



Media Commons



Learning Commons

Online Journals and Electronic Books

In addition to the above, approximately 38,000 journals and 400,000 books can be accessed via the Internet.

Kyoto University Digital Library: Rare-Materials

edb.kulib.kyoto-u.ac.jp/exhibit/index.html
Images of the library's special collections can be accessed via the Digital Library. These materials include the oldest extant copy of *Konjaku Monogatari-shu* (*Anthology of Tales from the Past*), a designated national treasure.

Kyoto University Research Information Repository (KURENAI)

repository.kulib.kyoto-u.ac.jp/dspace/?locale=en
KURENAI is an online digital archive of Kyoto University's research and educational outcomes that is available to the general public. As of March 2016, over 140,000 items are archived in KURENAI, making it the largest resource of its kind in Japan.

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.

Hospital

Kyoto University Hospital was established in 1899. It currently comprises thirty-three treatment 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:



1 Treatment and Care of Patients

The most important mission of Kyoto University Hospital is to provide patient-focused, safe, and high-quality medical care. To this end, we have been working to promote advanced medical care by enhancing the functions of our Cancer Center and by 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. We continue to make every effort to create an open and transparent environment and ensure that patients receive the safest medical care possible.

2 Research and Development

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. Kyoto University Hospital collaborates with the Center for iPS Cell Research and Application (CiRA) on research using iPS cells for the development of new therapies and medicine.

3 Education

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.

ILAS

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Planning and implementing innovative liberal arts and sciences programs.

The Institute for Liberal Arts and Sciences (ILAS) was established in April 2013 with a view to cultivating globally-minded individuals with broad perspectives, extensive knowledge, and unparalleled creativity. The ILAS is responsible for the planning and implementation of courses that are common to each undergraduate program, such as courses in the liberal arts, foreign languages, and introductory courses for specialized subjects tailored to each faculty's needs.



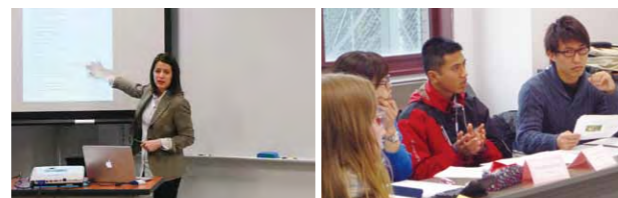
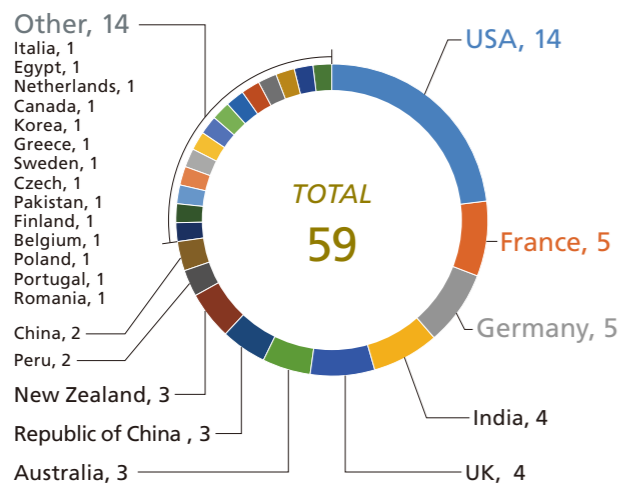
Number of Liberal Arts and Sciences Courses [FY 2015]

(As of December 1, 2015)

	Year-long / First semester		Second semester		Total	
	Subjects	Courses	Subjects	Courses	Subjects	Courses
Humanities and Social Sciences	174 [22]	200	168 [23]	204	342 [45]	404
Natural and Applied Sciences	138 [36]	334	113 [27]	290	251 [63]	624
Foreign Languages	65 [9]	595	50 [1]	583	115 [10]	1,178
Issues of Modern Society	100 [17]	125	44 [7]	90	144 [24]	215
Extended Curriculum	232 [14]	282	31 [7]	81	263 [21]	363
Total	709 [98]	1,536	406 [65]	1,248	1,115 [163]	2,784
Small Group Education Seminars for New Students (included in Total)	(187)	(187)	(9)	(9)	(196)	(196)

The numbers in [Red] indicate classes provided in English.

Number of International Faculty Members at ILAS [2015]



Based on the university's international strategy, the ILAS is enhancing the learning environment for both Japanese and international students by improving the quality and quantity of classes taught in English. In addition to providing more opportunities for international students, this also encourages a greater number of Japanese students to participate in study abroad programs. By the year 2020, the ILAS is planning to increase the number of international faculty members to approximately 100, and increase the number of English-taught courses offered to approximately 400.

Alumni

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Kyoto University Alumni was founded in November 2006 to serve as an umbrella organization for the university's faculty, graduate school, domestic, and international alumni associations, and to facilitate cooperation among their members. The organization currently embraces forty-eight faculty and graduate school alumni associations, twenty-nine domestic regional associations located throughout Japan, twenty-seven international associations (eight in East Asia, thirteen in Southeast Asia, one in Australia, three in North America, one in Europe, and one in South America), as well as several student club associations.



1 Regional alumni seminar in Tokushima



2 The Washington, DC Kyoto University Alumni Chapter

1 Faculty / Graduate School Alumni

Faculty and graduate school alumni associations hold their own events and activities

2 Regional Alumni in Japan

Domestic regional associations covering diverse fields and specializations hold general meetings, lectures, and social meetings.

3 Regional Alumni Overseas

International associations consisting of overseas Japanese and international alumni hold general and social meetings.



3 The 2nd Southeast Asia Network Forum by Kyoto Alumni Association Malaysia (MYKYOTO)

4 Kyoto University Alumni Network

The Kyoto University Alumni Network is an online system to facilitate communication among the university's alumni. Network members can search a database of registered alumni, and share information with each other. The network serves to strengthen the bond of friendship among alumni, and help them maintain their links to the university.

Kyoto University Alumni Network (English Login Page): www.alumni.kyoto-u.ac.jp/en/index.html



4 Kyoto University Alumni Network

5 Kyodai Alumni Facebook page (in Japanese)

The Kyoto University Alumni Facebook page serves as a hub of information and communication for alumni. The page features up-to-date information about university and alumni events, as well as photographs of Kyoto City, the university, and other items of interest.

Kyodai Alumni Facebook (Japanese) www.facebook.com/KyodaiAlumni



5 Kyodai Alumni Facebook page

Information for International Students and Researchers

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Admission for International Students

International students at Kyoto University are categorized as either “degree-seeking” students or “non-degree seeking” students. Undergraduate and graduate students are categorized as degree-seeking students, while research students, exchange students, and short-term international students are classified as non-degree seeking students. Either category of students may enroll as Japanese Government (MEXT) Scholarship students or privately financed international students. Generally, classes are provided entirely in Japanese unless specified otherwise. Those seeking to enroll in an English-taught degree program should refer to page 38* and contact the relevant administration office.

For further details of admission procedures, please refer to the website for prospective international students, *Why Kyoto University?*, at: www.opir.kyoto-u.ac.jp/study/en/



Tuition Exemption and Scholarships

Every year, approximately fifty scholarships for privately financed international students are available through the university. The scholarships are offered by various different organizations and range from approximately ¥30,000 to ¥180,000 per month. Applications are generally accepted following admission to the university. In addition, degree-seeking students who experience financial difficulty while maintaining excellent academic records may be eligible for a full or a half tuition waiver.



Tuition and Fees

(As of April 2016)

		Exam Fee	Admission Fee	Tuition
Degree-seeking students	Undergraduate Students	¥17,000	¥282,000	¥535,800 per year
	Graduate Students	¥30,000*	¥282,000	¥535,800 per year
	Law School Students	¥30,000	¥282,000	¥804,000 per year
Non-degree seeking students	Research Students	¥9,800	¥84,600	¥29,700 per month

*In certain circumstances, the exam fee for degree-seeking graduate students may be reduced to ¥10,000 for applicants who are screened based on submitted materials etc. with no written examination. For specific details, please check the admission guidelines of the graduate school you wish to enter.

Details on scholarships are also available from:
JASSO: *Scholarships for Study in Japan*
www.jasso.go.jp/en/study_j/scholarships/index.html

KU Web: *Admissions Guide for International Applicants > Scholarships*
www.kyoto-u.ac.jp/en/education-campus/international/students1/scholarship.html

Japanese Language Education

The Education Center for Japanese Language and Culture offers Japanese language classes for international students and researchers at Kyoto University. The classes aim to help students and researchers acquire language skills for daily life in Japan and for academic activities. Kyoto University does not have an independent faculty for Japanese language study.

Further details are available at: www.ryugaku.kyoto-u.ac.jp/en/japanese-e



Kyoto University International Houses

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.

For international researchers:

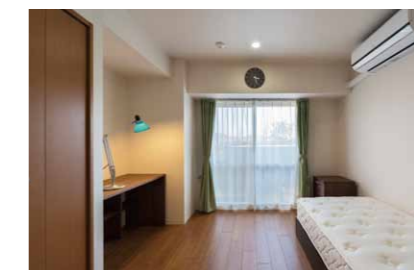
Applications for accommodation in the International Houses must be made at least four months in advance of the intended move-in month, and must be made through the researcher's host professor or a staff member of the department to which the researcher belongs. The tenancy period for researchers should not be less than one month, nor exceed one year. Extensions will not be granted. Please consult with your host professor to arrange accommodation in Japan prior to arrival.

For international students:

The move-in periods for the International Houses are April and October. Applications are accepted in January and July (three months prior to move-in). The tenancy period for students is either one year or six months, and may not be extended in either case. Those who wish to apply should make arrangements with their faculty/graduate school offices in advance.

Further details are available at: www.opir.kyoto-u.ac.jp/en/kuiso/admission/

_Yoshida International House



_Ohbaku International House



_Misasagi International House





Advanced Facilities and Abundant Resources

Kyoto University comprises many facilities, laboratories, research stations, and resource archives located on its three campuses, as well as at forty-three locations throughout Japan. The facilities are outfitted with state-of-the-art equipment for advanced research in diverse fields, providing students with valuable opportunities for hands-on practical work and enabling researchers to drive the frontiers of their fields towards breakthrough discoveries.

Further information about selected facilities and resources can be found at: www.kyoto-u.ac.jp/cutting-edge/environment/



Life in Kyoto

Approximately 2,000 international students from 106 countries are currently enrolled at Kyoto University, and over 2,700 international researchers spend time at the university every year. The promotion of international exchange and the provision of support for international students and researchers are key areas of focus in the university's operations.



▼ Student Lounge KI-ZU-NA

Kyoto university has an internationally-oriented student lounge called KI-ZU-NA. Its name is derived from a Japanese word referring to the bonds of relationship between people. KI-ZU-NA contributes to the facilitation of international exchange on campus, and it is a place where international and Japanese students and researchers can participate together in a variety of cross-cultural activities.

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 and researchers at Kyoto University will find that the vibrant backdrop of Kyoto City brings constant inspiration and new discoveries to their daily lives and academic endeavors.





International Experiences for Students

Kyoto University provides diverse internationally-oriented education and research programs and initiatives to foster international awareness and competence in our students. These include initiatives such as the John Mung Program, international internship programs, and events such as the ASEAN University

Network and ASEAN+3 Educational Forum and Young Speakers' Contest. Through such programs, students deepen their understanding of different cultures, enhance their international communication skills, and acquire practically applicable skills that enable them to play vital roles in the international community.

Extra-Curricular Activities

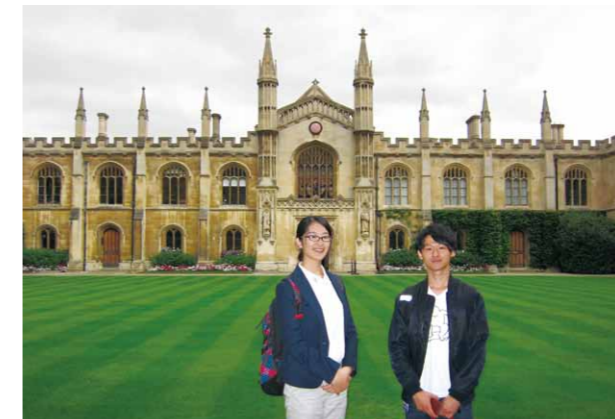
There are approximately 200 active student clubs and circles at Kyoto University, covering a wide range of areas, including sports, culture, and the arts. Through such activities, students can find a group of like-minded friends to share their interests with. The university's music circles, for example, range from classical to popular, and there are literary circles covering classical poetry, manga comic books, and almost everything in between. For sports, a distinction is made between informal "circles," which emphasize friendship and playing for fun, and the highly competitive "clubs," which train intensively and participate in inter-university competitions.



Overseas Internship with the Support of Japan International Cooperation Agency (JICA) in Bangladesh



Young Scholars Overseas Visit Program: The John Mung Program in the UK



AUN and 4th ASEAN+3 Educational Forum and Young Speakers Contest in Malaysia



Campuses

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

www.kyoto-u.ac.jp/en/about/profile/campus



Yoshida Campus



Yoshida Campus

The oldest of Kyoto University's three main campuses, Yoshida Campus is conveniently located in an urban environment thirty minutes by bus to the north-east of Kyoto Station. The university is continually updating and expanding the facilities at Yoshida Campus, which is divided into seven sections: the Main Campus, North Campus, West Campus, Yoshida-South Campus, Faculty of Medicine Campus, Faculty of Pharmaceutical Sciences Campus, and University Hospital Campus.

Katsura Campus



Katsura Campus

Katsura Campus, which opened in 2003, 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, regional culture, and nature are combined in new ways to provide inspiration for academic minds.

Uji Campus



Uji Campus

Located approximately twelve 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.

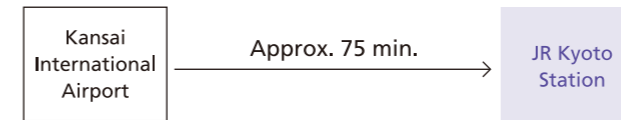
Access

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

www.kyoto-u.ac.jp/en/access

Access to Kyoto Station from Kansai International Airport

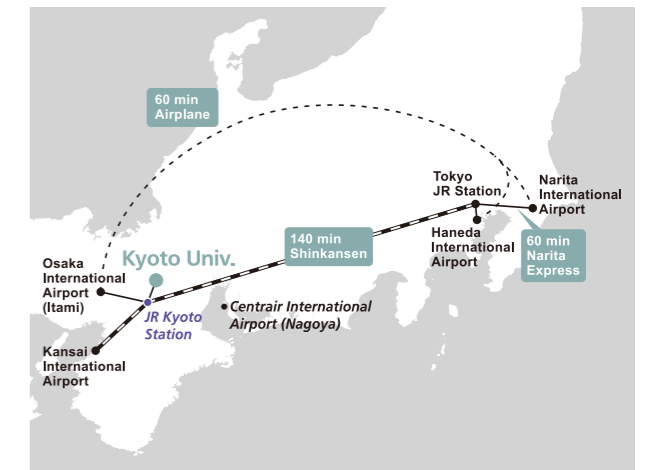
1) JR Airport Express Train "Haruka"



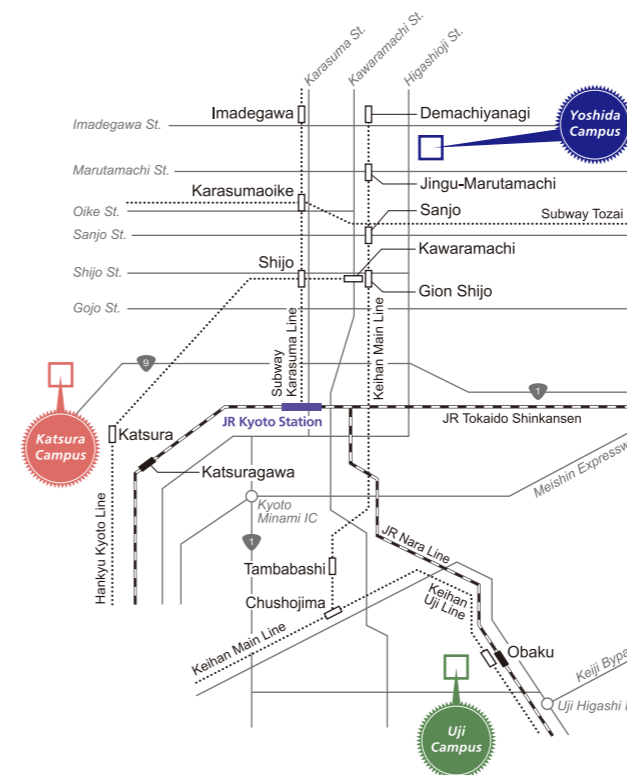
2) Airport Limousine Bus



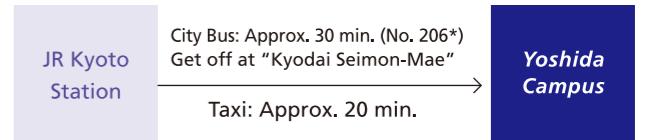
Other methods include shared shuttle taxis (fare required) that take each passenger directly to their desired destination.



Transportation to Campuses

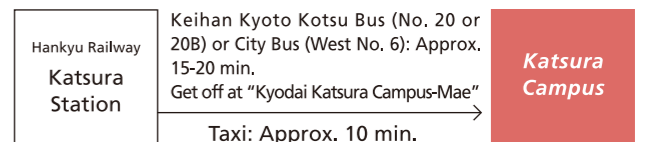


Yoshida Campus

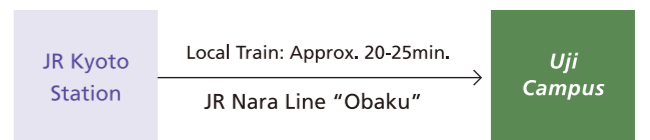


*Bound for Kitaoji Bus Terminal via Higashiyama Street.

Katsura Campus



Uji Campus



Graduate Schools

	Courses	Degrees
文学研究科 Letters ▶ www.bun.kyoto-u.ac.jp/en/	Behavioral Studies	Master Doctor
	Contemporary Culture	
	History	
	Philology and Literature	
	Philosophy	
教育学研究科 Education ▶ www.educ.kyoto-u.ac.jp/en/	Educational Studies	Master Doctor
	Clinical Studies of Education	
法学研究科 Law ▶ law.kyoto-u.ac.jp/english/e_top.html	Law School	Professional
	Legal and Political Studies	Master Doctor
経済学研究科 Economics ▶ www.econ.kyoto-u.ac.jp/en/	Economics	Master Doctor
理学研究科 Science ▶ www.sci.kyoto-u.ac.jp/en/	Mathematics and Mathematical Sciences	Master Doctor
	Physics and Astronomy	
	Earth and Planetary Sciences	
	Chemistry	
	Biological Sciences	
医学研究科 Medicine ▶ www.med.kyoto-u.ac.jp/en/	Human Health Sciences	Master Doctor
	Medical Science	Doctor (4yrs.)
	Medicine	Professional Doctor
	Public Health	Professional Doctor
薬学研究科 Pharmaceutical Sciences ▶ www.pharm.kyoto-u.ac.jp/en/	Pharmaceutical Sciences	Master Doctor
	Biomedical Sciences	Doctor (4yrs.)
	Bioinformatics and Chemical Genomics	Master Doctor
工学研究科 Engineering ▶ www.t.kyoto-u.ac.jp/en	Aeronautics and Astronautics	Master Doctor
	Architecture and Architectural Engineering	
	Chemical Engineering	
	Civil and Earth Resources Engineering	
	Electrical Engineering	
	Electronic Science and Engineering	
	Energy and Hydrocarbon Chemistry	
	Environmental Engineering	
	Material Chemistry	
	Materials Science and Engineering	
	Mechanical Engineering and Science	
	Micro Engineering	
	Molecular Engineering	
	Nuclear Engineering	
	Polymer Chemistry	
	Synthetic Chemistry and Biological Chemistry	
	Urban Management	

	Courses	Degrees
農学研究科 Agriculture ▶ www.kais.kyoto-u.ac.jp/english/	Agronomy and Horticultural Science	Master Doctor
	Forest and Biomaterials Science	
	Applied Life Sciences	
	Applied Biosciences	
	Environmental Science and Technology	
	Natural Resource Economics	
	Food Science and Biotechnology	
人間・環境学研究科 Human and Environmental Studies ▶ www.h.kyoto-u.ac.jp/index_e.php	Human Coexistence	Master Doctor
	Cultural Coexistence	
	Interdisciplinary Environment	
エネルギー科学研究科 Energy Science ▶ www.energy.kyoto-u.ac.jp/english/	Socio-Environmental Energy Science	Master Doctor
	Fundamental Energy Science	
	Energy Conversion Science	
	Energy Science and Technology	
アジア・アフリカ地域研究研究科 Asian and African Area Studies ▶ www.asafas.kyoto-u.ac.jp/en/	African Area Studies	Doctor (5yrs.)
	Global Area Studies	
	Southeast Asian Area Studies	
情報学研究科 Informatics ▶ www.i.kyoto-u.ac.jp/en/	Applied Analysis and Complex Dynamical Systems	Master Doctor
	Applied Mathematics and Physics	
	Communications and Computer Engineering	
	Intelligence Science and Technology	
	Social Informatics	
生命科学研究科 Biostudies ▶ www.lif.kyoto-u.ac.jp/e/	Integrated Life Science	Master Doctor
	Systemic Life Science	
総合生存学館(思修館) Advanced Integrated Studies in Human Survivability ▶ www.gsais.kyoto-u.ac.jp/en-top	Advanced Integrated Studies in Human Survivability	Doctor (5yrs.)
地球環境学舎 Global Environmental Studies ▶ www2.ges.kyoto-u.ac.jp/en/	Global Environmental Studies	Doctor
	Environmental Management	Master Doctor
公共政策連携研究部 公共政策教育部 Government ▶ www.sg.kyoto-u.ac.jp/en/	Public Policy	Professional
経営管理研究部 経営管理教育部 Management ▶ www.gsm.kyoto-u.ac.jp/en/	Management Science	Doctor
	Business Administration	Professional

Undergraduate Faculties

	Courses	Degrees
総合人間学部 Integrated Human Studies ▶ www.h.kyoto-u.ac.jp/index_e.php	Human Sciences	Bachelor
	Cognitive and Information Sciences	
	Multi-Disciplinary Studies of Civilizations	
	Cultural Environment Studies	
	Natural Sciences	
文学部 Letters ▶ www.bun.kyoto-u.ac.jp/en/	Letters	Bachelor
教育学部 Education ▶ www.educ.kyoto-u.ac.jp/en/	Educational Sciences	Bachelor
法学部 Law ▶ law.kyoto-u.ac.jp/english/e_top.html		Bachelor
経済学部 Economics ▶ www.econ.kyoto-u.ac.jp/en/	Economics and Management	Bachelor
理学部 Science ▶ www.sci.kyoto-u.ac.jp/en/	Science	Bachelor
医学部 Medicine ▶ www.med.kyoto-u.ac.jp/en/	Human Health Sciences	Bachelor
	Medical Science	Bachelor (6yrs.)
薬学部 Pharmaceutical Sciences ▶ www.pharm.kyoto-u.ac.jp/en/	Pharmaceutical Sciences	Bachelor
	Pharmacy	Bachelor (6yrs.)
工学部 Engineering ▶ www.t.kyoto-u.ac.jp/en	Architecture	Bachelor
	Electrical and Electronic Engineering	
	Engineering Science	
	Global Engineering	
	Industrial Chemistry	
農学部 Agriculture ▶ www.kais.kyoto-u.ac.jp/english/	Informatics and Mathematical Science	Bachelor
	Bioresource Science	
	Applied Life Sciences	
	Agricultural and Environmental Engineering	
	Food and Environmental Economics	
	Forest and Biomaterials Science	
Food Science and Biotechnology		

Other Programs

English-Taught Degree Programs

	Courses	Web Page	Degrees
経済学研究科 Economics	International Graduate Programme for East Asia Sustainable Economic Development Studies	▶ www.econ.kyoto-u.ac.jp/kueac/	Master Doctor
工学研究科・工学部 Engineering	Undergraduate International Course Program of Civil Engineering	▶ www.s-ge.t.kyoto-u.ac.jp/int/en/	Bachelor
	International Course in Management of Civil Infrastructure in the Department of Civil and Earth Resources Engineering	▶ www.ce.t.kyoto-u.ac.jp/mci/en/	Master
	International Course in Urban and Regional Development in the Department of Urban Management	▶ www.um.t.kyoto-u.ac.jp/urd/en/	Master
	Integrated Engineering Course, Human Security Engineering Field	▶ hse.gcoe.kyoto-u.ac.jp/index.html	Doctor
農学研究科 Agriculture	Special Course in Agricultural Sciences—For the Global Future of Life, Food and the Environment	▶ www.kais.kyoto-u.ac.jp/english/global30/	Master Doctor
エネルギー科学研究科 Energy Science	International Energy Science Course	▶ www.energy.kyoto-u.ac.jp/IESC/	Master Doctor
情報学研究科 Informatics	International Course in Intelligence Science and Technology	▶ www.g30.i.kyoto-u.ac.jp/en	Master Doctor
	International Course in Social Informatics		
	International Course in Communications and Computer Engineering		
生命科学研究科・医学研究科 Biostudies / Medicine	Global Frontier in Life Science	▶ www.lif.kyoto-u.ac.jp/Global_frontier_in_life_science/index.html	Master Doctor
地球環境学舎 Global Environmental Studies	International Environmental Management Program	▶ www2.ges.kyoto-u.ac.jp/en/activities/educational-activities/iemp/	Master Doctor
理学研究科 Science	International Course in Primatology and Wildlife Research	▶ www.opir.kyoto-u.ac.jp/kuprofile/graduate/primatology-wildlife/	Master Doctor
経営管理大学院 Management	International Project Management Course in the Department of Business Administration	▶ www.gsm.kyoto-u.ac.jp/en/educational-activities/ipromac.html	Professional

Programs for Leading Graduate Schools (5-year interdisciplinary program)

	Courses	Web Page	Degrees
Graduate School of Advanced Leadership Studies Inter-Graduate School Program for Sustainable Development and Survivable Societies Training Program of Leaders for Integrated Medical System Collaborative Graduate Program in Design Leading Graduate Program in Primatology and Wildlife Science		▶ www.gsais.kyoto-u.ac.jp/en-top/	Doctor (5yrs.)
		▶ gss-sv00.gss.sals.kyoto-u.ac.jp/english/	
		▶ www.lims.kyoto-u.ac.jp/?lang=en	
		▶ www.design.kyoto-u.ac.jp/	
		▶ www.wildlife-science.org/index-en.html	

Student Exchange Programs

	Courses	Web Page	Degrees
Kyoto University International Education Program (KUINEP) General Exchange Program		▶ www.kyoto-u.ac.jp/en/education-campus/international/students1/exchange.html	—

Research Institutes

Subsidiary Facilities

<p>化学研究所 Institute for Chemical Research (ICR) Research into the theory and application of specialized chemistry fields. ▶ www.kuicr.kyoto-u.ac.jp/sites/icr/</p>	<p><i>Advanced Research Center for Beam Science</i></p> <hr/> <p><i>International Research Center for Elements Science</i></p> <hr/> <p><i>Bioinformatics Center</i></p>
<p>人文科学研究所 Institute for Research in Humanities Integrated research on cultures and societies around the world. ▶ www.zinbun.kyoto-u.ac.jp/e/</p>	<p><i>Center for Informatics in East Asian Studies</i></p> <hr/> <p><i>Research Center for Modern and Contemporary China</i></p>
<p>ウイルス・再生医科学研究所 Institute for Frontier Life and Medical Sciences Research into the theory and application of virology and regenerative medicine. ▶ www.infront.kyoto-u.ac.jp/?lang=en</p>	<p><i>Research Center for Infectious Diseases</i></p> <hr/> <p><i>Laboratory of Animal Experiments for Regeneration</i></p>
<p>エネルギー理工学研究所 Institute of Advanced Energy (IAE) Research for the advancement of energy generation, conversion, and utilization. ▶ www.iae.kyoto-u.ac.jp/en/</p>	<p><i>Laboratory for Complex Energy Processes</i></p>
<p>生存圏研究所 Research Institute for Sustainable Humansphere (RISH) Research into humansphere sciences and the development of human resources. ▶ www.rish.kyoto-u.ac.jp/?lang=en</p>	<p><i>Center for Exploratory Research on Humansphere</i></p> <hr/> <p><i>Department of Collaborative Research Programs</i></p>
<p>防災研究所 Disaster Prevention Research Institute (DPRI) Research into disaster sciences and comprehensive studies for disaster prevention. ▶ www.dpri.kyoto-u.ac.jp/en/</p>	<p><i>Research Center for Disaster Reduction Systems</i></p> <hr/> <p><i>Research Center for Earthquake Prediction</i></p> <hr/> <p><i>Sakurajima Volcano Research Center</i></p> <hr/> <p><i>Research Center on Landslides</i></p> <hr/> <p><i>Research Center for Fluvial and Coastal Disasters</i></p> <hr/> <p><i>Water Resources Research Center</i></p>

Subsidiary Facilities

<p>基礎物理学研究所 Yukawa Institute for Theoretical Physics (YITP) Research into theoretical physics, including particle physics and other areas of basic physics. ▶ www.yukawa.kyoto-u.ac.jp/english/index.html</p>	
<p>経済研究所 Kyoto Institute of Economic Research (KIER) Comprehensive research into industry and economy. ▶ www.kier.kyoto-u.ac.jp/eng/</p>	<p><i>Research Center for Economics of Complex Systems</i></p> <hr/> <p><i>Center for Advanced Policy Studies</i></p>
<p>数理解析研究所 Research Institute for Mathematical Sciences (RIMS) Comprehensive research into mathematical sciences. ▶ www.kurims.kyoto-u.ac.jp/en/index.html</p>	<p><i>Computer Laboratory</i></p>
<p>原子炉実験所 Research Reactor Institute (KURRI) Research into nuclear science and engineering, and the utilization of experimental nuclear reactor facilities. ▶ www.rri.kyoto-u.ac.jp/en</p>	<p><i>Particle Radiation Oncology Research Center</i></p> <hr/> <p><i>Research Center for Safe Nuclear System</i></p>
<p>霊長類研究所 Primate Research Institute (PRI) Comprehensive research into primate studies. ▶ www.pri.kyoto-u.ac.jp/index.html</p>	<p><i>Center for Human Evolution Modeling Research</i></p> <hr/> <p><i>Center for International Collaboration and Advanced Studies in Primatology (CICASP)</i></p>
<p>東南アジア地域研究研究所 Center for Southeast Asian Studies (CSEAS) Comprehensive research into Southeast Asian and inter-area studies using integrated resources ▶ www.cseas.kyoto-u.ac.jp/en/ ▶ www.cias.kyoto-u.ac.jp/en/</p>	<p><i>ASEAN Research Platform</i></p> <hr/> <p><i>Glocal Information Network</i></p> <hr/> <p><i>International Program of Collaborative Research (IPCR)</i></p> <hr/> <p><i>Center for Information Resources of Area Studies (CIRAS)</i></p>
<p>iPS細胞研究所 Center for iPS Cell Research and Application (CiRA) Research into the theory and application of sciences relating to iPS cells. ▶ www.cira.kyoto-u.ac.jp/e/</p>	

Centers, Organizations, and Facilities

Outline | Subsidiary Facilities

<p>学術情報メディアセンター Academic Center for Computing and Media Studies (ACCMS) ▶ www.media.kyoto-u.ac.jp/en</p>	<p>Research and development of advanced applications of IT infrastructures and information media to enhance the education and research environment. Also provides support for the activities of the Institute for Information Management and Communication.</p>
<p>放射線生物研究センター Radiation Biology Center ▶ house.rbc.kyoto-u.ac.jp/about-rbc</p>	<p>Fundamental research into the effects of radiation on living organisms.</p>
<p>生態学研究センター Center for Ecological Research (CER) ▶ www.ecology.kyoto-u.ac.jp/ecology/english/</p>	<p>Promotion of basic research in a wide range of aspects of ecology and biodiversity by combining field studies, theory and experimentation, which also aim to develop general theories for the conservation of biodiversity and ecosystems.</p>
<p>野生動物研究センター Wildlife Research Center (WRC) ▶ www.wrc.kyoto-u.ac.jp/en/</p>	<p>Education and research relating to wild animals, with the aim of contributing to harmonious coexistence within the human and ecological community on this planet.</p> <p>[Yakushima Field Station] [Koshima Field Station] [Kumamoto Sanctuary]</p>
<p>高等教育研究開発推進センター Center for the Promotion of Excellence in Higher Education (CPEHE) ▶ www.highedu.kyoto-u.ac.jp/eng/</p>	<p>Conducts higher education research and development in areas such as teaching and learning methods, curriculum design, assessment and evaluation, and educational technology and innovation. Also provides expert pedagogical support and advice to advance education at Kyoto University and other institutions.</p>
<p>総合博物館 The Kyoto University Museum ▶ www.museum.kyoto-u.ac.jp/index_e.htm</p>	<p>Collects, preserves, and analyzes academic specimens and materials. Provides support for education and research activities, and publicizes research results. Undertakes research to facilitate the informatization of academic specimens and materials.</p>
<p>フィールド科学教育研究センター Field Science Education and Research Center (FSERC) ▶ fserc.kyoto-u.ac.jp/</p>	<p>Field-based education and research to comprehend the interaction among forest, ocean, and human biospheres. The center makes its field facilities available throughout the university and to other institutions, both nationally and internationally.</p> <p>[Ashiu Forest Research Station] [Hokkaido Forest Research Station Shibeche Branch] [Hokkaido Forest Research Station Shiranuka Branch] [Wakayama Forest Research Station] [Kamigamo Experimental Station] [Tokuyama Experimental Station] [Kitashirakawa Experimental Station] [Kii-Oshima Research Station] [Maizuru Fisheries Research Station] [Seto Marine Biological Laboratory]</p>
<p>福井謙一記念研究センター Fukui Institute for Fundamental Chemistry (FIFC) ▶ www.fukui.kyoto-u.ac.jp/</p>	<p>Based on the academic philosophy of Noble laureate Prof. Kenichi Fukui, the institute pursues research into basic chemistry and related sciences.</p>
<p>こころの未来研究センター Kokoro Research Center ▶ kokoro.kyoto-u.ac.jp/en/</p>	<p>Combines the fields of psychology, cognitive sciences, neuroscience, and the humanities to pursue comprehensive research into the human mind and contributes to education outreach in cooperation with companies and local communities.</p>
<p>文化財総合研究センター Center for Cultural Heritage Studies ▶ www.kyoto-u.ac.jp/maibun/index-e.html</p>	<p>Comprehensive research and education for the investigation, preservation, and utilization of cultural properties, including the study and preservation of buried cultural properties on the Kyoto University campuses.</p>
<p>国際高等教育院 Institute for Liberal Arts and Sciences (ILAS) ▶ www.z.k.kyoto-u.ac.jp/</p>	<p>Comprehensive planning, management, and implementation of the university's liberal arts and sciences programs.</p> <p>[International Academic Research and Resource Center for Language Education] [Education Center for Japanese Language and Culture]</p>
<p>環境安全保健機構 Agency for Health, Safety and Environment ▶ www.esho.kyoto-u.ac.jp/</p>	<p>A university-wide organization overseeing matters of health, safety, and the environment. Operates in cooperation with the Research Center for Low Temperature and Materials Sciences and the General Student Support Center.</p> <p>[Environment Preservation Research Center] [Radioisotope Research Center][Kyoto University Health Service]</p>

Outline | Subsidiary Facilities

<p>情報環境機構 Institute for Information Management and Communication (IIMC) ▶ www.iimc.kyoto-u.ac.jp/en/</p>	<p>Planning, operation, and management of the university-wide information and communication infrastructure. Provides a wide range of information and communications technology-related functions and services in cooperation with the Planning and Information Management Department and the Academic Center for Computing and Media Studies.</p> <p>[IT Planning Office]</p>
<p>図書館機構 Kyoto University Library Network ▶ www.kulib.kyoto-u.ac.jp/?ml_lang=en</p>	<p>Compilation, development, and operation of library and academic information databases in cooperation with the university and faculty libraries. Maintains and develops an effective system to provide access to the university's academic resources by students, researchers, and other parties outside of the university.</p>
<p>産官学連携本部 Office of Society-Academia Collaboration for Innovation (SACI) ▶ www.saci.kyoto-u.ac.jp/en/</p>	<p>Planning and promotion of industry-government-academia collaboration, including collaborative research, international and regional cooperation, acquisition, management, and utilization of the university's intellectual properties, and the fostering of venture companies and entrepreneurship.</p>
<p>国際戦略本部 International Strategy Office</p>	<p>Engaged in the planning, coordination and implementation of international strategy at the university-wide level. Provides diverse support for international cooperation and exchange programs and supervises the establishment and operation of overseas centers and offices.</p>
<p>World Premier International Research Center Initiative 物質-細胞統合システム拠点 Institute for Integrated Cell-Material Sciences (iCeMS) ▶ www.icems.kyoto-u.ac.jp/e/</p>	<p>Research in the new interdisciplinary field of integrated cell-material science.</p> <p>[Center for Meso-Bio Single-Molecule Imaging (CeMI)] [Chemical Screening Center]</p>
<p>高等研究院 Institute for Advanced Study ▶ kuias.kyoto-u.ac.jp/</p>	<p>Advanced research by and international exchange of distinguished scientists</p>
<p>学生総合支援センター General Student Support Center ▶ www.gssc.kyoto-u.ac.jp/</p>	<p>Provides counseling services for students on a wide range of matters relating to study, daily life, work and job hunting, as well as support for students with disabilities.</p> <p>[Counseling Office] [Career Support Office] [Disability Support Office]</p>
<p>大学図書館 Kyoto University Archives ▶ kua1.archives.kyoto-u.ac.jp/ja/english.html</p>	<p>Collection, preservation, and study of historical public records and other archival materials relating to the history of Kyoto University.</p>
<p>アフリカ地域研究資料センター Center for African Area Studies (CAAS) ▶ www.africa.kyoto-u.ac.jp/eng/enindex.html</p>	<p>Publishes an international academic journal <i>African Study Monographs (ASM)</i>. Supports the activities of young researchers in Africa. Organizes public seminars.</p>
<p>白眉センター The HAKUBI Center for Advanced Research ▶ www.hakubi.kyoto-u.ac.jp/eng/</p>	<p>Implements and develops the Hakubi Project, an innovative program to foster the next generation of world-leading researchers.</p>
<p>学際融合教育研究推進センター Center for the Promotion of Interdisciplinary Education and Research (C-PiER) ▶ 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.</p>	<p>Supports the promotion of interdisciplinary education and research to address current social issues and academic challenges. Under C-PIER, groups of researchers from different fields form limited-term research teams called "units" to work together on issues of common interest. There are currently over thirty units operating under C-PIER.</p>
<p>学術研究支援室 Kyoto University Research Administration Office (KURA) ▶ www.kura.kyoto-u.ac.jp/</p>	<p>Provides support to researchers in their academic endeavors, develops and maintains an environment in which researchers can effectively dedicate themselves to their scholarly work. Provides support for the planning and implementation of projects, and facilitates outreach to the general public.</p>
<p>男女共同参画推進本部 Gender Equality Promotion Office ▶ www.cwr.kyoto-u.ac.jp/english/</p>	<p>Research, planning, and implementation of various measures to promote gender equality.</p>
<p>研究連携基盤 Kyoto University Research Coordination Alliance (KURCA) ▶ www.kurca.kyoto-u.ac.jp/</p>	<p>Pursues cutting-edge interdisciplinary fields through mutual collaboration among the university's research institutes and centers.</p> <p>[Research Units for Exploring Future Horizons]</p>

*Please Note: Some websites are only available in Japanese.

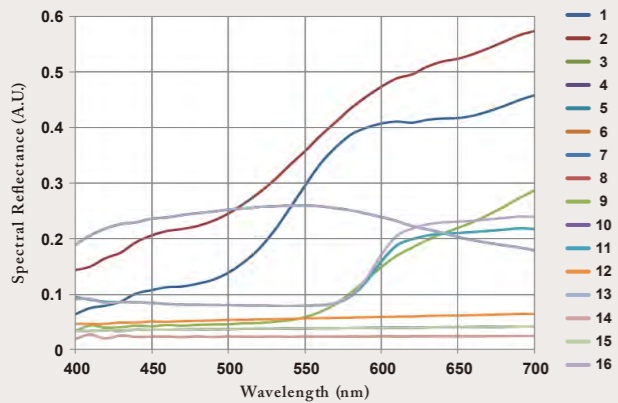
Cover Story

Scientific Recording of Cultural Heritage Assets



40 × 26cm

Located in Kyoto, a city of culture, art, and technology, the Ide Laboratory of the Graduate School of Engineering has developed state-of-the-art imaging technologies to scientifically record numerous cultural heritage artifacts in Kyoto and around the globe. Our high-precision imaging system for cultural assets digitizes large artworks such as Japanese screens (*byōbu*), wall paintings, precious old design maps of important historical buildings, and world heritage industrial design plans. 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 by developing appropriate light sources. We have also been successful in adding analytical imaging features, which enables non-destructive and non-invasive analysis of material composition and color.



Pigment Analysis

Using analytical imaging, it is possible to extract material information from the images scanned by the high resolution scanning system at the single pixel level (a few microns). Spectral information is estimated using a calculation model that was created by the laboratory members. Sixteen distinct points represent different pigments used in the large folding screen (*byōbu*). The spectral reflectance curves of those points were reconstructed and compared to those of a database of Japanese pigments. Since spectral reflectance is a material property, it is possible to estimate the material used in creating the respective colors found on the screens. This approach is a non-invasive and non-destructive way to analyze precious cultural heritage artifacts.

The image on the front of this booklet is a detail from the paintings on a pair of *byōbu* in the Sumitomo collection, which is housed in the Sen-oku Hakuko Kan museum in Kyoto. It is estimated that the screens were painted in the middle of the 17th century. The remarkably well-preserved golden paintings are not only beautiful, but are a valuable source of historical data about the pigments used in paintings, as well as the lifestyles of the people in the era depicted. The images on the screens are of scenes from *The Tale of Genji*, one of the world's first novels and a masterpiece of Japanese literature. The novel was written by Murasaki Shikibu in the early 11th century, the cultural peak of the Heian period, and depicts the lifestyles of the nobility at that time. It is a rich source of information about the lives and culture that later drove the visual arts (paintings) and new styles of storytelling in Japanese society, deeply influencing modern literature. Other classical paintings from early periods also exist, but these images from the golden *byōbu* are of particular interest in that the scenes depicted show the lifestyle of the nobility and the common people coming closer during an important transition period for Japanese society in the early Edo era.

In 2015 the Ide Laboratory collaborated with several national and international institutes to scientifically record important cultural heritage artifacts. Working in China, Myanmar, the US, Iran, and throughout Japan, we digitized cultural heritage assets on-site and recorded them in microscopic detail. The knowledge gained about pigments and colorants from the projects in Japan and China are expected to greatly enhance our understanding of the art and technology of the early Edo period. During the past decade, the Ide Laboratory has carried out projects in China (Xian, Beijing, Hong Kong, Inner Mongolia), the UK (Belfast, London), Spain (Madrid), Italy (Padova, Torino), Korea (Seoul, Pusan), Egypt (Cairo, Giza), the Philippines (Manila), Myanmar (Yangon, Bagan), the USA (New York, Boston, Philadelphia), as well as at over fifty sites in Japan. Through this work, the laboratory 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. We hope that this technology, developed in Kyoto, will serve as a catalyst to encourage renewed global discussion and interest in cultural heritage.



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