

## Centers

### ACADEMIC CENTER FOR COMPUTING AND MEDIA STUDIES (ACCMS)

The ACCMS conducts research and development related to the advanced use of IT infrastructure and information media. The results are analyzed for the improvement of the educational and research environment of Kyoto University. The center also works in cooperation with the Institute for Information Management and Communication to improve services offered by the university.

Research and development at ACCMS is carried out by the departments of Networking Research, Computing Research, Educational Support, Digital Content Research, and Collaborative Research Laboratories. Faculty members contribute to educational activities at the University through joint activities with graduate schools.

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

### RADIATION BIOLOGY CENTER

Radiation is one of the most deleterious stresses that life has coped with since its creation. Nature has equipped the body with multiple mechanisms to combat radiation by repairing damages to DNA, a major target of radiation. During the course of evolution, some of these mechanisms were adapted, and now play roles in a wide range of biological events including responses to oxidative stress, brain development, cell cycle regulation, chromosome dynamics and tumor suppression. Radiation biology is a multi-disciplinary science that spans the fields of physics, chemistry, medicine and widespread branches of biology.

[www.rbc.kyoto-u.ac.jp/RBCHome/RBCeng.html](http://www.rbc.kyoto-u.ac.jp/RBCHome/RBCeng.html)

### CENTER FOR ECOLOGICAL RESEARCH (CER)

The aim of the Center for Ecological Research is to combine field studies, theory and experimentation, by conducting studies using the detection of patterns in ecologies, analysis using theoretical models, and the experimental testing of theories. Individual research topics may include the spatial and temporal dynamics of biodiversity, biological interactions in terrestrial and aquatic ecosystems, and the ecological functions of biodiversity. We also conduct studies on the interactions of human activities and biodiversity, and work toward a general theory directed at the conservation of biodiversity and the ecosystems.

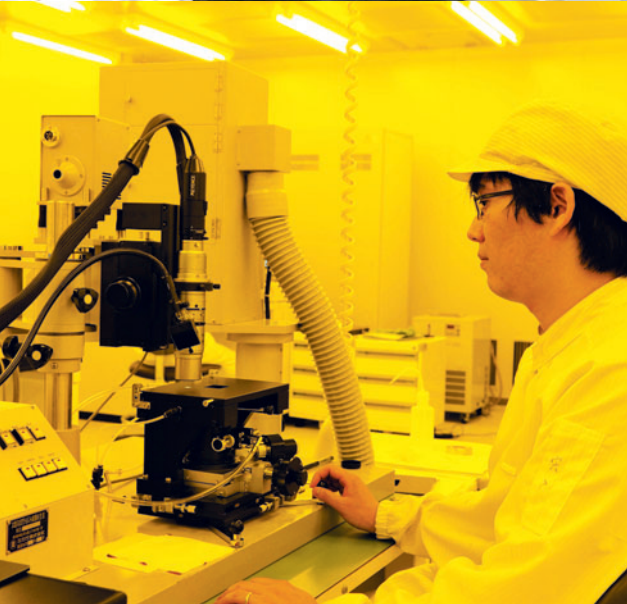
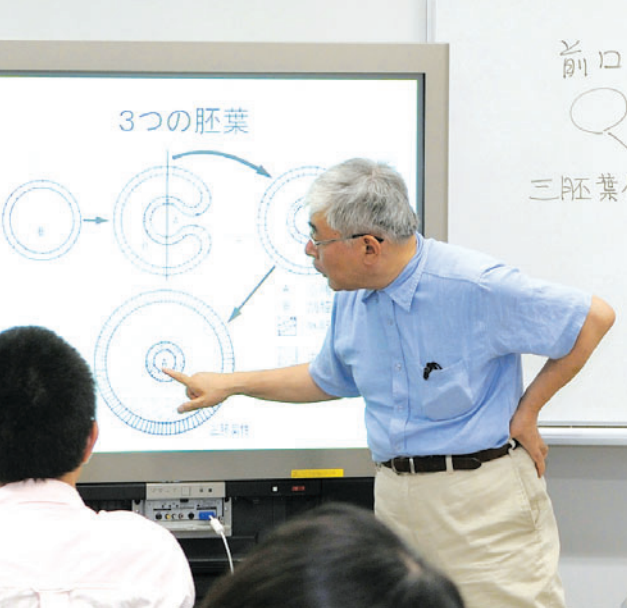
[www.ecology.kyoto-u.ac.jp/ecology/english](http://www.ecology.kyoto-u.ac.jp/ecology/english)

### CENTER FOR INTEGRATED AREA STUDIES (CIAS)

The CIAS promotes and conducts Integrated Area Studies. Understanding today's "areas" in the world requires the analysis of inter-regional relationships and variables as well as gaining a grasp of the characteristics of each region. Integrated Area Studies is an attempt to understand these dynamics using innovative approaches in which "comparison" is the key analytical framework. The CIAS also aims to interlink and integrate resources for Area Studies using the latest informatics tools and to build systems to share them with researchers, institutions and others concerned with the various regions of the contemporary world.

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





## **RADIOISOTOPE RESEARCH CENTER**

The principal purpose of the Radioisotope Research Center is to maintain the safety and harmony of education and research concerned with radioisotopes (RI) and radiation, conducted at Kyoto University.

The Center carries out a variety of advanced research such as on the applications for RI. Based on the results, the Center also performs several important duties such as assisting with the control of radiation at the university, providing information concerned with RI and radiation, and providing the opportunity for the common use of the Center's facilities.

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

## **ENVIRONMENT PRESERVATION CENTER**

Universities, whose missions are to contribute to academic development, must also take responsibility for environmental management. As well as running equipment for treating laboratory wastes, the Environmental Preservation Center plans and executes various measures for reducing greenhouse gas emissions. The Center aims at preventing environmental pollution caused by wastes from the university, and conducts research on environmental, technical, and social-system issues, all of which are related to environmental management and the building of material-cycles societies. The Center's work also includes the efficient delivery of up-to-date environmental education.

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

## **THE INTERNATIONAL CENTER**

The International Center seeks to provide a stimulating academic environment for the pursuit of intellectual and intercultural exchange among students and researchers of diverse cultural backgrounds. The Center offers a variety of resources and support for the University's international community, including advising services, non-degree Japanese language and Japanese studies classes, and a broad range of courses taught in English for the KUINEP undergraduate exchange program. The Center is also actively involved in working with institutions overseas to explore new ways of increasing research and study opportunities for prospective international students.

[www.ryugaku.kyoto-u.ac.jp/docs/index-e.html](http://www.ryugaku.kyoto-u.ac.jp/docs/index-e.html)

## **CENTER FOR THE PROMOTION OF EXCELLENCE IN HIGHER EDUCATION**

The Center conducts practical studies of teaching-learning systems in higher education, and aspires to accommodate conflicting pressures to maintain and enhance academic excellence while satisfying the needs of the current Japanese society in which tertiary education may become universal. Based on the results of practical research projects, the Center plans and develops Liberal Arts and General Education programs for Kyoto University and supports faculty development and teaching initiatives in the following three divisions: Studies in Higher Education, Liberal Arts Curriculum Development, and Information and Media Study Design.

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

## **THE KYOTO UNIVERSITY MUSEUM**

The Kyoto University Museum keeps a valuable academic collection which continues to be expanded for research and educational purposes since the establishment of Kyoto University in 1897. The collection now consists of 2.6 million specimens and covers a wide spectrum of research fields; from the humanities, natural history, to technologies. The museum preserves, maintains and catalogs these collections. Researchers from all over the world frequently examine them, either by visiting the museum or by loaning specimens. Thus the museum supports research activities on an international level.

Besides the permanent exhibition, the museum operates two temporary exhibitions a year, plus frequent lectures and events for the public, especially for children. These are enjoyed by the young and old who now regard the museum as a place through which the university gives back to the community.

Many researchers and students from the university's various disciplines enthusiastically support these activities of the museum. The museum has also come to facilitate personal networking amongst such people by being a center for the exchange of academic ideas and ideals.

Managing the operation of the Research Resource Archives is also one of the museum's responsibilities.

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

... we are constantly searching  
for ways to upgrade our education and research methods.

(opposite page)

Center Left: Faculty of Science, Research Center for Low Temperature and Materials Sciences.

Center Right: Seifuso Villa garden.

Bottom: Sonjo-Dou Exhibition Hall.

## INNOVATIVE COLLABORATION CENTER (ICC)

In the 21st century, a person's economic prosperity and social well being is increasingly dependent on the effective utilization of knowledge and information. To respond to this challenge and opportunity, to encourage innovation, and to promote social contribution, Kyoto University established the Office of Society-Academia Collaboration for Innovation (SACI) and the Innovative Collaboration Center (ICC) in July 2007. The ICC, organized under the SACI, promotes industry-academia collaboration activities, secures and utilizes intellectual properties, and supports the needs of entrepreneurs.

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

## RESEARCH CENTER FOR LOW TEMPERATURE AND MATERIALS SCIENCES (LTM Center)

The center supports research activities at low temperatures and on materials sciences and also carries out its own research programs. Besides supplying 500,000L of cryogens to 2,000 researchers, the center provides safety training courses and scientific education programs. Scientific instruments, such as SQUID magnetometers, 17T-SCM, nano-fabrication facilities, are also available for use by researchers.

Researchers at the center carry out their own research programs as well as provide research opportunities to graduate students on such topics such as low temperature physics, functional conducting organic materials, biological material science, and low temperature functional materials.

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

## FIELD SCIENCE EDUCATION AND RESEARCH CENTER (FSERC)

The forest and coastal biospheres are all tightly interrelated and have provided vast benefits to humankind. The rapid expansion of human activity in recent years however, has threatened this relationship and is causing severe environmental problems. Our goal is to understand the relationship between forest and marine biospheres and utilize this knowledge to rehabilitate these ecosystems to reach a sustainable balance. Current research projects include the fields along the Yura (Kyoto), Koza (Wakayama) and Niyodo (Kochi) rivers. In each project we collaborate with the local governments and citizens to maximize the value of the findings.

[www.fserc.kyoto-u.ac.jp/main/FSERC/index\\_e.html](http://www.fserc.kyoto-u.ac.jp/main/FSERC/index_e.html)

## FUKUI INSTITUTE FOR FUNDAMENTAL CHEMISTRY

The FUKUI INSTITUTE FOR FUNDAMENTAL CHEMISTRY (FIFC) at Kyoto University is the successor of the INSTITUTE FOR FUNDAMENTAL CHEMISTRY (IFC) which was founded in 1984 to honor Professor Kenichi Fukui (Nobel Prize 1981) as well as for promoting creative research in fundamental chemistry. The IFC was donated to Kyoto University in April 2002 and was renamed the FIFC. The FIFC seeks to further develop the philosophy of Prof. Fukui in science, pursue fundamental concepts in theoretical and experimental chemistry, and offer an active post-doctoral research program to encourage innovations in fundamental chemistry.

[www.fukui.kyoto-u.ac.jp/index-e.html](http://www.fukui.kyoto-u.ac.jp/index-e.html)

## KOKORO RESEARCH CENTER

Founded in 2007 to promote scientific research on the mind and consciousness, the center spans the disciplines of psychology, neurophysiology, cognitive sciences, cultural and humanistic studies. Based on the results of this academic research, we aspire to contribute to a humanity and mentality suited to life in this global era.

The center's foundational aims are to conduct wide-ranging interdisciplinary research involving interdepartmental and international collaboration to produce community outreach solutions. The center seeks to promote fruitful interactions between researchers and practitioners, addressing the concerns and expectations of the local community.

[kokoro.kyoto-u.ac.jp/eng/](http://kokoro.kyoto-u.ac.jp/eng/)

## WILDLIFE RESEARCH CENTER (WRC)

The WRC aims to realize a peaceful coexistence among the living organisms of our planet Earth by conducting studies on wild animals and providing educational resources. Research is focused on various aspects of endangered larger animal species under such keywords as the Mind, Body, Life, Genome, and Health-Longevity. Through environmental education based on firsthand experiences in field and laboratory studies; we seek to pass on to future generations, a deeper insight into nature and an opportunity to consider the place we as humans stand within it.

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

(opposite page)

Center: Mount Hiei as seen from the Faculty of Agriculture Sports Field.  
Right: Institute for Research in Humanities, Center for Informatics in East Asian Studies at kitashirakawa.



## CENTER FOR CULTURAL HERITAGE STUDIES

We carry out excavations, field surveys and other operations on the many sites of archeological value in and around the Kyoto University campus. Studies are conducted on these sites and their finds in cooperation with the related departments of archaeology, architecture, geography, geology, and anthropology, to report published annual reports and four volumes of the *Kyoto Daigaku Maizoubunkazai Chosa Houkoku*.

[www.kyoto-u.ac.jp/maibun/index-e.html](http://www.kyoto-u.ac.jp/maibun/index-e.html)

## KYOTO UNIVERSITY HEALTH SERVICE

The Kyoto University Health Service was established for student disease prevention and healthier living in accordance to a governmental ordinance, and provides preventive services for both university students and employees. Most of the legally-stationed corporate medical officers are affiliated to this unit. This Service also runs the University Infirmary. The University Health Service offers: (1) periodical and on-demand health checkups, (2) individual and group counseling/guidance for health problems, (3) primary clinical care for diseased/injured persons, (4) health data management, and (5) education and academic research based on daily practices.

[www.kyoto-u.ac.jp/health/kuhc-E.html](http://www.kyoto-u.ac.jp/health/kuhc-E.html)

## COUNSELING CENTER

The Counseling Center is the place for both students and staff members of KU to turn to when they are faced with problems or feel distressed. Residing counselors are trained specialists in such fields as clinical, consulting and adolescent psychology. In addition to private counseling, services are wide ranged, including the promotion of awareness, publicity campaigns, giving classroom lectures and conducting independent studies. Harassment is also dealt with here.

[www.kyoto-u.ac.jp/counseling/englishpage.htm](http://www.kyoto-u.ac.jp/counseling/englishpage.htm)

## KYOTO UNIVERSITY ARCHIVES

We manage the collection, selection, organization, description, preservation and availability of non-current administrative records and other materials of KU for research and business purposes, as well as conduct studies on the development of the archival sciences, history of KU and of higher education in Japan. A permanent historical exhibit displaying the 100 year documental history of our university is on display within Centennial Hall.

[kua1.archives.kyoto-u.ac.jp/ja/](http://kua1.archives.kyoto-u.ac.jp/ja/) (Japanese only)

## EDUCATION UNIT FOR GLOBAL LEADERS IN ADVANCED ENGINEERING AND PHARMACEUTICAL SCIENCES

This unit was established to nurture researchers and technocrat who can act as good leaders at corporations, government and international institutions. Graduate students and postdoctoral researchers are selected and developed into leaders through a one-year education program.

The program consists of i) Industry-government-university cooperative school, ii) Mutually educational joint research, iii) Practical English training and iv) Intellectual property training.

[www.ugl.kyoto-u.ac.jp/index.php?lang=en](http://www.ugl.kyoto-u.ac.jp/index.php?lang=en)

## INSTITUTE OF SUSTAINABILITY SCIENCE (ISS)

ISS is a department jointly established by five institutes. Interdisciplinary science is pursued for the survival of mankind against complicated risks such as climate change, and energy/resource/food problems, and to provide concrete models for a sustainable society. Current activity is featured by the “mobile site type research” performed in the sites with natural environment and local community to demonstrate our concepts.

[iss.iae.kyoto-u.ac.jp/iss//eng](http://iss.iae.kyoto-u.ac.jp/iss//eng)



## **PIONEERING RESEARCH UNIT FOR NEXT GENERATION**

We aim to establish a career development system for outstanding young scientists, who are involved in interdisciplinary science and engineering research, in cooperation with the Graduate School of Engineering, the Institute for Chemical Research, the Institute of Advanced Energy, the Research Institute for Sustainable Humansphere and the Disaster Prevention Research Institute.

[kupru.iae.kyoto-u.ac.jp/en.html](http://kupru.iae.kyoto-u.ac.jp/en.html)

## **ADVANCED BIOMEDICAL ENGINEERING RESEARCH UNIT**

This Research Unit is a multi-faculty organization established in 2007, as a center for state-of-the-art multifaceted research in the combined field of medicine and engineering.

The Unit is managed with the objective of providing a base for collaborative research between industry, government and academia. Furthermore, a key goal of the unit is to foster young researchers with the ability to play a positive role in the field of biomedical engineering.

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

## **CAREER-PATH PROMOTION UNIT FOR YOUNG LIFE SCIENTISTS (CPLS)**

The Unit was founded in 2007 to assist in the career development of young life scientists by providing them with the opportunity to take the initiative and independently carry out their original research projects.

We established the “International Young Scientists Career Development Organization (ICDO)” in July, 2008 supported by the “Special Coordination Funds for Promoting Science and Technology” of the government of Japan.

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

## **UNIT OF SYNERGETIC STUDIES FOR SPACE (USSS)**

The USSS consists of researchers from various departments and institutes at Kyoto University. Its aim is to encourage communication and collaborative ventures in areas related to space, and thus pioneer new interdisciplinary research through the integration and fusion of such fields as astrophysics, solar physics, geophysics, astronautics, engineering, biology, medical sciences, social sciences and humanities.

[www.kwasan.kyoto-u.ac.jp/uss/s/index-e.html](http://www.kwasan.kyoto-u.ac.jp/uss/s/index-e.html)

## **INSTITUTE FOR INTEGRATED CELL-MATERIAL SCIENCES (iCeMS)**

As one of five World Premier International Research Centers selected by the Japanese Ministry of Education, Culture, Sports, Science and Technology, the iCeMS seeks to be a global, cross-disciplinary research hub integrating chemistry, physics and cell biology around the key concepts of Meso-Control and Stem Cells. Research groups headed by world-renowned scientists are currently working together to establish the new sciences of the 1) meso-control of stem cell systems and 2) meso-control of functional architectures. One of our goals is to develop the institute into one of strong global relevance.

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

## **CENTER FOR iPS CELL RESEARCH AND APPLICATION (CiRA)**

The CiRA has been founded under the auspices of the iCeMS, with a mission to be the core driving force behind the advancement of iPS cell research and its clinical applications. Working in collaboration with the KU Institute for Frontier Medical Sciences and the Graduate School of Medicine, the CiRA aims to speed the process leading to practical uses of iPS cells.

[www.cira.kyoto-u.ac.jp/e/index.html](http://www.cira.kyoto-u.ac.jp/e/index.html)

## **CENTER FOR AFRICAN AREA STUDIES (CAAS)**

The center is an interdisciplinary body with ecologically-oriented interests. The primary foci of our research interests are; the sustainable use and conservation of the environment, economic activities, coexistence of multi-ethnic societies, and socio-cultural changes in Africa. The center also explores the possibilities behind indigenous practices in African societies as potential tools for a development style vastly different from Japan and Western cultures. It promotes international cooperative research endeavors based on written research agreements (MOU) tied with many African organizations, and publishes *African Study Monographs*, a quarterly interdisciplinary journal, and *African Study Monographs, Supplementary Issue* irregularly.

[jambo.africa.kyoto-u.ac.jp](http://jambo.africa.kyoto-u.ac.jp)

Katsura Campus, B Cluster





Main Hall, Kyoto University ROHM Plaza



... a place where unique ideas are valued as highly as efficiency and competitiveness



Media Commons at the Main Library

## CENTER FOR WOMEN RESEARCHERS

The Center for Women Researchers was established in 2006 to support female researchers and to improve their working environment in Kyoto University through cooperation with local governments, so that they may pursue their career in scientific fields. The ultimate goal is to significantly increase the number of excellent female researchers at Kyoto University.

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

## VENTURE BUSINESS LABORATORY (VBL)

Our main objectives are to support research and development programs for the discovery of advanced technologies that will sustain future industries, and in so doing, simultaneously encourage the creativity of students and young researchers who are interested in venture projects.

[www.vbl.kyoto-u.ac.jp](http://www.vbl.kyoto-u.ac.jp) (Japanese only)

## KYOTO UNIVERSITY LIBRARY

Since its establishment in 1899, the Main Library has continuously expanded its collection and currently holds approximately 867,000 books and 25,000 periodicals. In addition to regular printed materials, the library also acquires e-journals, e-books, databases and other electronic resources, ensuring that it continues to be an up-to-date store of academic knowledge. Such resources are accessible from computer terminals within the libraries and on campus. (The total collection of all KU libraries, including faculty and departmental libraries, amounts to 6,357,000 books and 95,000 periodicals).

In January 2009, the Main Library opened “Learning Room 24”, a study room open 24 hours on weekdays for use by students and researchers of KU. Other services include frequent seminars on how to utilize its electronic resources and how to write quality reports and articles, and the Kyoto University Research Information Repository: KURENAI; which acts as an Internet gateway to the research findings published by KU researchers in journal articles, research papers, dissertations and other mediums.

[www3.kulib.kyoto-u.ac.jp/index-e.html](http://www3.kulib.kyoto-u.ac.jp/index-e.html)

## UNIVERSITY HOSPITAL

Kyoto University Hospital was established in 1899 as a part of Kyoto Imperial University. With the incorporation of the Chest Diseases Research Institute in April of 1998, the University Hospital became a general hospital with multiple departments, offering top-level medical services to people in and around Kyoto. The hospital currently has 1,182 beds. As of 2008, inpatients number approximately 360,000 and outpatients approximately 630,000.

In April 2001, the Translational Research Center was established to undertake research into fundamental transplants in humans. In January 2003, the Post Graduate Clinical Education Center was established for medical trainees to broaden their understanding of primary medical care, and to acquire and develop a holistic attitude toward the treatment of patients.

In April 2005, the Post Graduate Clinical Education Center became the Integrated Clinical Education Center, a center which trains and educates not only clinicians and dental practitioners, but also nurses, pharmacists and other medical professionals.

The hospital began a program of living-donor liver transplantations in 1990. As of June 2004, over 1,000 living-donor liver transplantations have been performed, setting a world record. About half of all such transplantation operations in Japan have been carried out at Kyoto University Hospital, making it a world leading facility in this field.

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