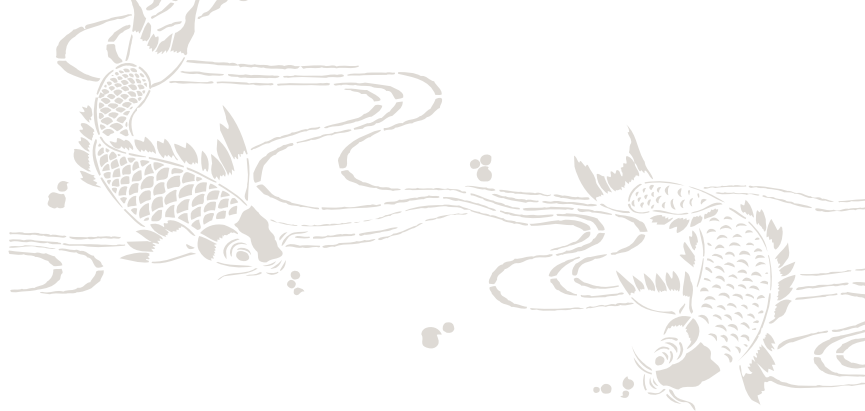


Centers

教育研究施設等



学術情報メディアセンター

ACADEMIC CENTER FOR COMPUTING AND MEDIA STUDIES (ACCMS)

The Academic Center for Computing and Media Studies conducts research and development on advanced applications of IT infrastructures and information media. The research findings are used to improve the education and research environment at Kyoto University and academic institutions nation-wide.

We also cooperate with the Institute for Information Management and Communication to improve university services, and research faculty work with graduate schools to apply their knowledge and findings to the university's curricula.

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

放射線生物研究センター

RADIATION BIOLOGY CENTER

Living organisms have developed several mechanisms to repair radiation damaged DNA. Over the course of evolution, some of those mechanisms were adapted and modified, and now play important roles in a wide range of biological events such as oxidative stress response, brain development, cell cycle regulation, chromosome dynamics and tumor suppression. The Radiation Biology Center studies the way in which DNA repair mechanisms maintain life by combating various external and internal threats.

www.rbc.kyoto-u.ac.jp/RBCHome/RBCeng.html

生態学研究センター

CENTER FOR ECOLOGICAL RESEARCH (CER)

The approach taken by the Center for Ecological Research combines field studies, theory and experimentation, using methodologies such as the detection of ecological patterns, theoretical model analysis, and experimental theory testing. Research topics include spatial and temporal dynamics, biological interactions in terrestrial and aquatic ecosystems, and the ecological functions of biodiversity. The center also studies human impact, and aims to develop a general theory for the conservation of biodiversity and ecosystems.

Hirano 2-509-3, Otsu, 520-2113
www.ecology.kyoto-u.ac.jp/ecology/english

地域研究統合情報センター

CENTER FOR INTEGRATED AREA STUDIES (CIAS)

Through innovative area-studies approaches focusing on the analysis of inter-area relationships and inter-area comparisons, the Center for Integrated Area Studies seeks to deepen our understanding of modern global regions. The center has also established the new field of area informatics, which merges area studies with informatics.

www.cias.kyoto-u.ac.jp/english/CIAS/

放射性同位元素総合センター

RADIOISOTOPE RESEARCH CENTER

The Radioisotope Research Center's principal purpose is to ensure that Kyoto University's education and research undertakings involving radioisotopes (RI) and radiation are carried out safely and effectively. The center also carries out unique advanced research on the properties and applications of RI and radiation. We apply the results of our studies to various practical uses, such as assisting with the effective integration of safety control systems at other radiation facilities and producing educational materials.

環境保全センター

ENVIRONMENT PRESERVATION CENTER

The Environmental Preservation Center aims to prevent environmental pollution caused by waste produced by Kyoto University. In addition to disposing of laboratory waste materials, the center plans and implements various measures to reduce the university's greenhouse gas emissions. The center also provides up-to-date environmental education, and conducts research on environmental-, technical-, and social-system issues, all of which are related to environmental management and the creation of a material-cycle society.

国際交流センター

THE INTERNATIONAL CENTER

The International Center provides a stimulating environment for the pursuit of academic exchange among students and researchers of diverse cultural backgrounds. The center provides a variety of resources and support to the university's international community, including advising services, non-degree Japanese language classes, and English-taught courses for the KUINEP undergraduate exchange program. The center also collaborates with institutions overseas to develop new study opportunities for prospective international students.

www.ryugaku.kyoto-u.ac.jp/docs/

高等教育研究開発推進センター

CENTER FOR THE PROMOTION OF EXCELLENCE IN HIGHER EDUCATION

The Center for the Promotion of Excellence in Higher Education conducts studies of teaching and learning systems in higher education. The results of the studies are used to plan and develop Kyoto University's liberal arts and general education programs, and support the faculty in their professional development and teaching initiatives. The center comprises 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

総合博物館

THE KYOTO UNIVERSITY MUSEUM

The Kyoto University Museum manages and develops the university's valuable museum collection and research resource archives. The museum collection currently consists of 2.6 million specimens, which are relevant to a wide spectrum of fields from the humanities, to the natural sciences, to engineering. A valuable research and educational resource, the collection is frequently used by researchers from around the world.

The museum's permanent and temporary exhibitions, and frequently held lectures and events are enjoyed by visitors of all ages, and the museum has come to be regarded as a gateway between the university and the community. Many students and researchers enthusiastically assist with our

activities. This network of individuals within the university allows the museum to function as a unique center for the exchange of academic ideas.

www.museum.kyoto-u.ac.jp/index_e.htm

低温物質科学研究センター

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

We support research activities in low temperature and materials sciences by providing cryogens and informative courses for more than 2,500 researchers as well as offer access to advanced scientific research facilities such as SQUID magnetometers and nanofabrication facilities.

The research divisions carry out original investigations on low temperature physics, functional organic conductive materials, biological materials science, and low temperature functional materials and provide outstanding scientific research opportunities to graduate students.

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

フィールド科学教育研究センター

FIELD SCIENCE EDUCATION AND RESEARCH CENTER (FSERC)

The rapid expansion of human activity threatens forest and coastal biospheres, causing severe environmental problems. The goal of the Field Science Education and Research Center is to understand the relationship between those biospheres and to rehabilitate their ecosystems to a sustainable state. Current projects include field research on the banks of the Yura River (Kyoto), Koza River (Wakayama) and Niyodo River (Kochi). Each project involves collaboration with the local government and citizens to maximize the value of its findings.

fserc.kyoto-u.ac.jp

福井謙一記念研究センター

FUKUI INSTITUTE FOR FUNDAMENTAL CHEMISTRY (FIFC)

The Fukui Institute for Fundamental Chemistry upholds the academic philosophy of Nobel laureate Professor Kenichi Fukui, who believed that scientific breakthroughs occur



through the unexpected fusion of remotely related fields. The institute emphasizes research into pure chemistry, and is developing new theories that will further the fundamental understanding of molecular materials and chemical theories. Support for the independent research of young scientists is one of the institute's priorities.

www.fukui.kyoto-u.ac.jp/index-e.html

こころの未来研究センター

KOKORO RESEARCH CENTER

The Kokoro Research Center promotes scientific research on the mind and consciousness, which spans the disciplines of psychology, neurophysiology, cognitive sciences, cultural studies and the humanities. The center aims to develop community outreach solutions through wide-ranging interdisciplinary research involving interdepartmental and international collaboration. Through its research, the center aspires to contribute to a humanity and mentality suited to life in the coming global era.

kokoro.kyoto-u.ac.jp/eng/

野生動物研究センター

WILDLIFE RESEARCH CENTER (WRC)

Through education and research relating to wild animals, the Wildlife Research Center is dedicated to contributing to a balanced coexistence among the living organisms of our planet. Research is focused on exploring the psychology, physiology, behavior, genomic makeup, health and longevity of endangered species. The center seeks to provide future generations with a deep understanding of nature and humanity's place within it.

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

文化財総合研究センター

CENTER FOR CULTURAL HERITAGE STUDIES

Taking advantage of Kyoto's rich historical heritage, the Center for Cultural Heritage Studies carries out excavations, field surveys and other projects on the many

sites of archaeological value in and around the Kyoto University campuses. The center works in cooperation with teams from the departments of archaeology, architecture, geography, geology, and anthropology. Project sites range from prehistoric cemeteries to Edo period clay mines.

www.kyoto-u.ac.jp/maibun/index-e.html

保健管理センター

KYOTO UNIVERSITY HEALTH SERVICE

The Kyoto University Health Service was established in 1966 to promote the health and wellbeing of the university's students, faculty and staff. A range of services are provided by medical professionals, including periodic and on-demand checkups, individual and group counseling for health problems, primary clinical care for the sick and injured, health data management, and research and training opportunities.

www.kyoto-u.ac.jp/health/kuhc-E.html

カウンセリングセンター

COUNSELING CENTER

The Counseling Center provides confidential counseling services for students and staff members on wide range of matters relating to study, work, or personal problems. The center is staffed by trained specialists in fields such as clinical and adolescent psychology. In addition to private counseling, the center provides other services, such as conducting awareness and publicity campaigns, classroom lectures and independent research.

www.kyoto-u.ac.jp/counseling/englishpage.htm

大学文書館

KYOTO UNIVERSITY ARCHIVES

Kyoto University Archives manages the university's non-current administrative records and other materials for research and business purposes. It also conducts studies on the development of the archival sciences, and on the history of Kyoto University and higher education in Japan. A permanent historical exhibit of documents spanning the



university's 100-year history is on display in the Clock Tower Centennial Hall.

kual.archives.kyoto-u.ac.jp/ja/

物質-細胞総合システム拠点

INSTITUTE FOR INTEGRATED CELL-MATERIAL SCIENCES (iCeMS)

iCeMS is one of six World Premier International Research Centers designated for support by the Japanese ministry of education. An innovative cross-disciplinary research hub, the institute enables research groups headed by the world's top stem cell biologists, chemists, and physicists to collaborate closely and create new fields which integrate the cell and material sciences. The technology produced will contribute to human well-being through advances in medicine, pharmaceutical research, environmental conservation and industry.

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

アフリカ地域研究資料センター

CENTER FOR AFRICAN AREA STUDIES (CAAS)

The Center for African Area Studies promotes multidisciplinary research on Africa. The center's primary foci are the sustainable use of the environment, agriculture and other economic activities, multi-ethnic coexistence, and socio-cultural change. Research is also undertaken into the potential of using indigenous practices as catalysts for Africa's development. The center has concluded cooperative research agreements with academic institutions throughout Africa and publishes a quarterly interdisciplinary journal.

jambo.africa.kyoto-u.ac.jp

女性研究者支援センター

CENTER FOR WOMEN RESEARCHERS

The Center for Women Researchers is dedicated to improving the equal opportunity working and learning environment at Kyoto University, and provides services to support female researchers and students as they establish

themselves in the competitive academic world. Services include professional temporary nursery care for infants on preschool waiting lists and for sick babies and children, financial support for the hiring of research assistants, and counseling services. The center also organizes workshops and symposia, and publishes regular newsletters.

www.cwr.kyoto-u.ac.jp/english

次世代研究者育成センター

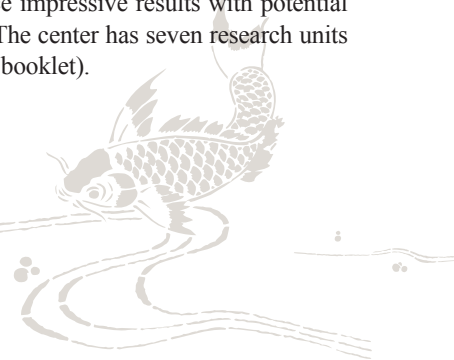
YOUNG RESEARCHER DEVELOPMENT CENTER

The Young Researcher Development Center was founded in 2009 to implement and manage the Hakubi Project, an initiative to support promising young researchers from around the world through the provision of faculty positions at Kyoto University. Researchers recruited through the program are given the opportunity and facilities to pursue their own academic interests. The center's main role is the coordination of recruitment procedures in collaboration with the university's faculties, graduate schools and research institutes.

学際融合教育研究推進センター

CENTER FOR THE PROMOTION OF INTERDISCIPLINARY EDUCATION AND RESEARCH

The main function of this center is to promote interdisciplinary education and research at Kyoto University. In addition to providing direct support to KU education and research units that merge multiple fields of study, the center also carries out its own projects on interdisciplinary education methodologies, and provides information to those on and off campus seeking to embark on interdisciplinary initiatives. Interdisciplinary research units consistently produce impressive results with potential for future development. The center has seven research units (listed on page 28 of this booklet).



Topics

The Kyoto University Museum
Field Science Education and
Research Center

"Extinct Kunimasu" is still alive in Lake Saiko

Oncorhynchus kawamurae "Kunimasu," a deepwater trout, was discovered in Lake Saiko, 70 years after extinction in its original habitat, Lake Tazawa, Japan. Lake Saiko, Yamanashi Prefecture was one of the lakes to which eggs of the species were introduced in 1935. The species is unique within the *Oncorhynchus* genus, as it is normally found at depths of 150–270m (3.8–4.2°C), and spawns at a depth of 105–225m around September (3.8–4.5°C) and 15m depth (shallowest recorded) around February (3.0–4.6°C). Although Kunimasu shares the lake-spawning characteristic with the North American kokanee (*O. nerka*), no populations of the latter occur and spawn in such depths or temperatures.

(By Prof. Nakabo et al. Kyoto University Museum and Graduate course of Agriculture)