



OCU Graduate School of Medicine and University Hospital

OSAKA CITY UNIVERSITY 2021



Message from the President

2020 has been a challenging year for all of us. The spread of COVID-19 has locked down many parts of the world, making it very difficult for people to lead a normal life. Osaka City University has been combating this disease and helping everyone get back on their feet.

I am proud to be president of Osaka City University (OCU) which celebrated its 140th year in 2020. Tomoatsu Godai, a SAMURAI warrior who helped initiate the Meiji Restoration, drew upon the SAURAI spirit “Happiness for others” when he founded OCU as a technical college in 1880. Hajime Seki, Mayor of Osaka, built upon this spirit with the theme “OCU for the City, the City for OCU”, when he upgraded OCU from a school to a university in 1949.

This spirit has given our university a freehearted character, and it has produced many great alumni. Among them are Distinguished Professor Yoichiro Nambu, who established the theoretical physics group at our university and won the Nobel Prize in Physics in 2008 for the discovery of the theory of spontaneous broken symmetry, which is the basis for elementary particle physics. He was followed by Dr. Shinya Yamanaka, Director of the Center for iPS Cell Research and Application, Kyoto University, who earned his PhD from Osaka City University, and won the Nobel Prize in Physiology or Medicine in 2012 for his research on iPS cells (induced pluripotent stem cells). In the business world as well, this spirit has seen the education of founders of major companies and representatives of stock market listed companies, as well as internationally active alumni.

What does society need? Talented people who can clearly indicate what they want to do and turn it into what they can do. The significance of enrolling in a university is to make this happen. At OCU, our education helps you achieve this. We consider worldliness and communication to be two important skills, and so have arranged programs around this, including liberal arts and specialized education, as well as the science of Osaka’s famous “comedy” culture, international business practice, and global practical economic development. We also actively promote overseas exchanges and support extracurricular activities.

Nothing would make me happier than for everyone who studies at this university to enjoy deeper communication with good teachers and friends as they get a running start towards the goals in life they have found here, all in this liberal academic environment cultivated by our traditions. My slogan for the university is to be “a local base of knowledge, health, and smiling faces.” Let us follow that slogan, and grow together at a university we are proud of, where we turn dreams into reality.



TETSUO ARAKAWA
President, Osaka City University

Contents

2	Message from the President	Faculties & Graduate Schools	20	Research Institutes and Facilities	
3	History	10	Business	22	Information for International Students
4	OCU at a Glance	11	Economics	26	Overseas Partner Institutions
6	Why Study at OCU?	12	Law	28	Research Themes by Faculty Member
8	Advanced Research Activities	13	Literature & Human Sciences	44	Access
		14	Science		
		15	Engineering		
		16	Medicine		
		17	Nursing		
		18	Human Life Science		
		19	Urban Management / Creative Cities		

“The university is here for the city, and the city is here for the university.”



1880
Establishment of the Osaka Commercial Training Institute

Founded by Tomoatsu Godai, the father of the modern economy of Osaka, as the second school of business law in Japan after Tokyo.



1928
Founding of Osaka University of Commerce, the first city university in Japan

Hajime Seki, the Mayor of Osaka at the time, made the motto “The university is here for the city, and the city is here for the university,” and so the first city university in Japan was established with strong expectations of the residents of Osaka.

Nobel Prizes



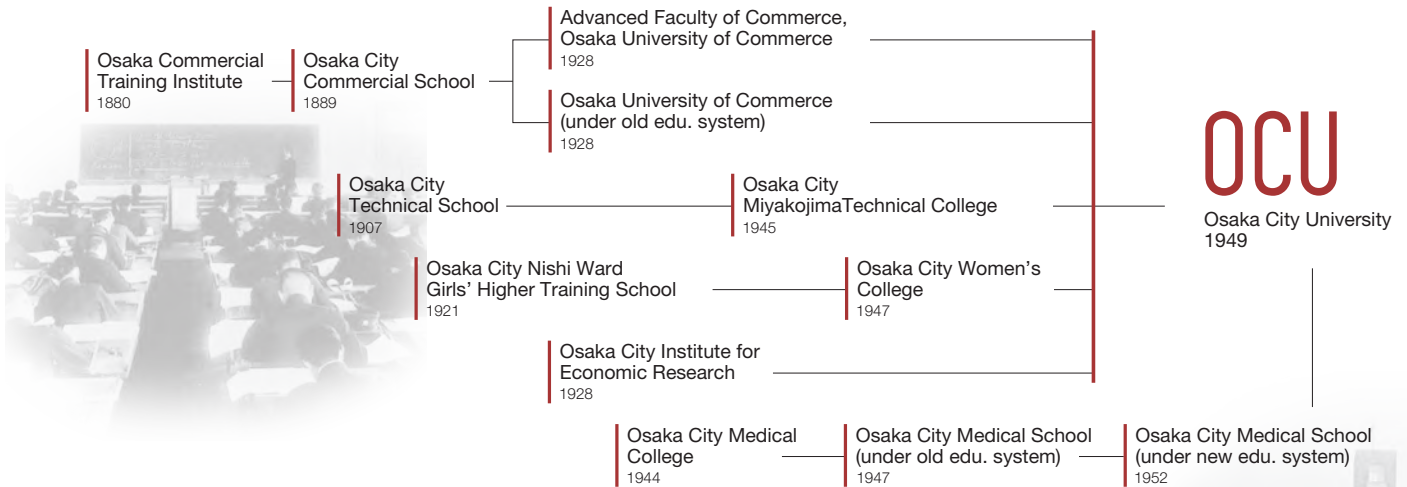
Dr. Yoichiro Nambu (1921-2015)
(Distinguished Professor Emeritus)

Nobel Prize in Physics in 2008 for the discovery of the mechanism of spontaneous broken symmetry in subatomic physics.



Dr. Shinya Yamanaka
(1993 OCU Graduate School of Medicine alumnus)

Nobel Prize in Medicine in 2012 for the discovery that mature cells can be reprogrammed to become pluripotent.



1889
Traditional boat races

This tradition started as a “water sports competition” when there were not any schools holding boat races. It has become a famous event in Osaka, beloved by the residents.



1949
Launch of Osaka City University, a new incarnation

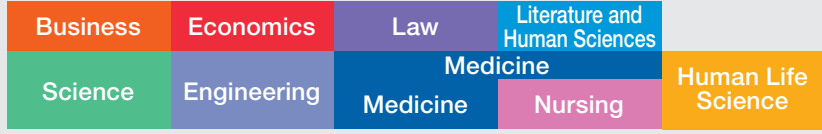
Based on the system for new universities, Osaka City University was launched as the only public university on a scale befitting multidisciplinary universities. The first president was Kyo Tsuneto.



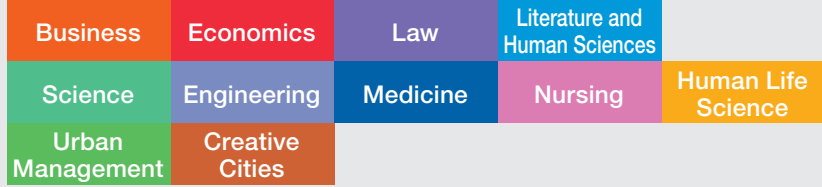
OCU At a Glance

Faculties and Graduate Schools

8 Undergraduate Faculties

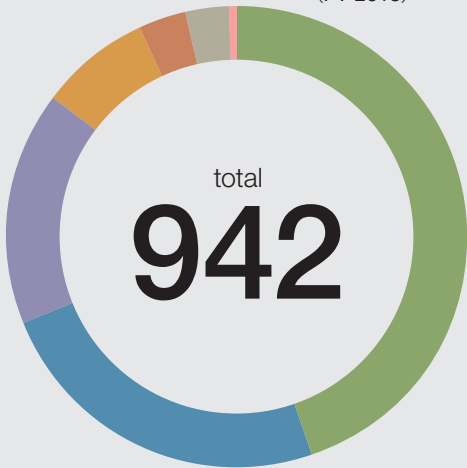


11 Graduate Schools



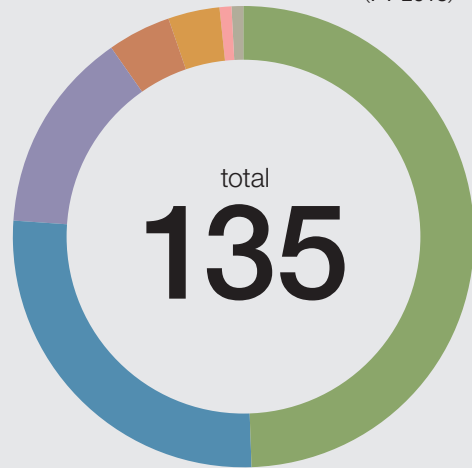
Research

Researchers Dispatched (FY 2018)



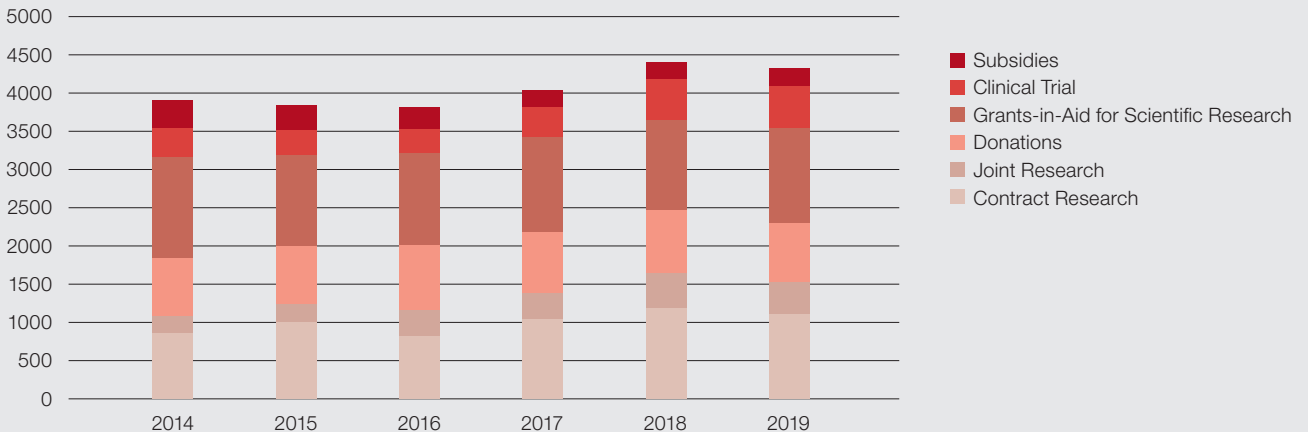
Asia	423
Europe	228
North America	154
Africa	74
Oceania	31
Central and South America	27
Middle East	5

Foreign Researchers Accepted (FY 2018)

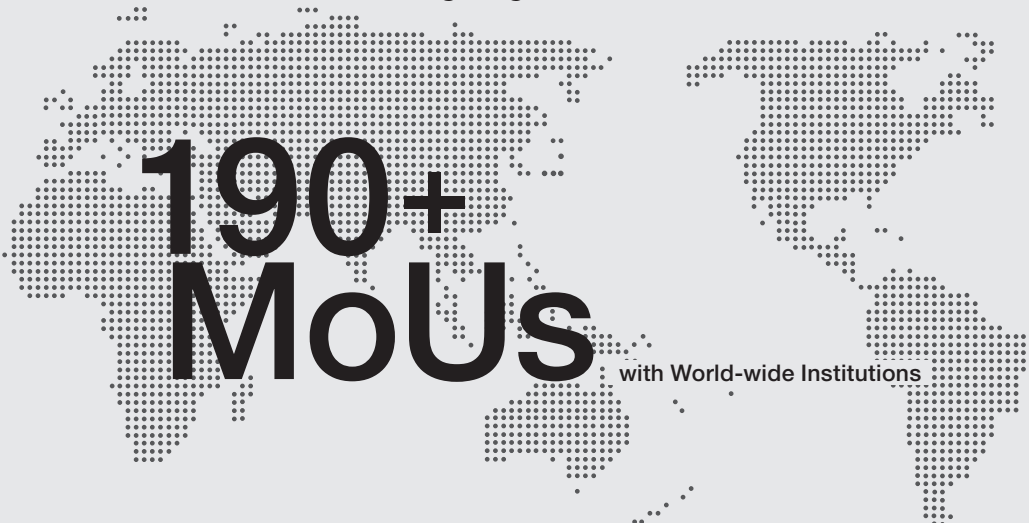


Asia	67
Europe	36
North America	19
Oceania	6
Africa	5
Middle East	1
Central and South America	1

Amount of External Funds Received (Unit: 1 million yen)



| International Exchange Agreements



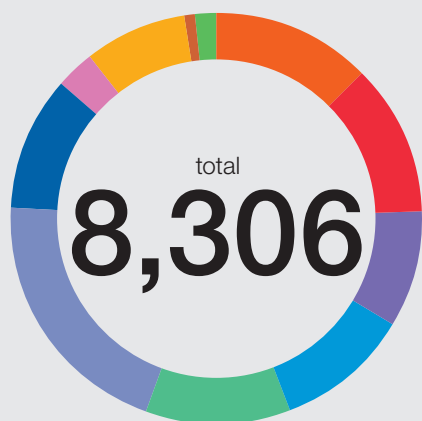
| Library Collections



2,500,000+
books

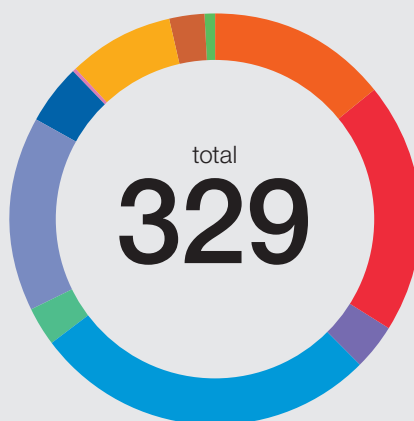
| Students / International Students / Staff
As of May, 2020

Students



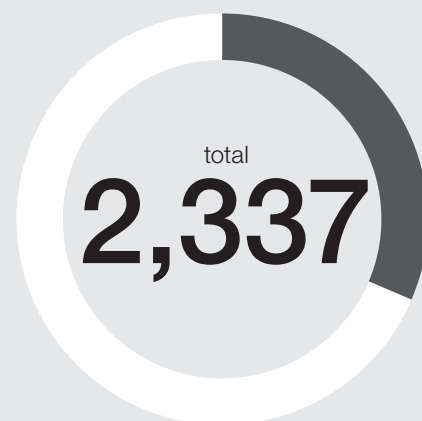
Business	1,045
Economics	989
Law	766
Literature and Human Sciences	881
Science	941
Engineering	1,692
Medicine	878
Nursing	259
Human Life Science	662
Creative Cities	61
Urban Management	132

International Students



Business	47
Economics	65
Law	12
Literature and Human Sciences	89
Science	10
Engineering	51
Medicine	15
Nursing	1
Human Life Science	28
Creative Cities	9
Urban Management	2

Staff



Academic	734
Administrative	1,603

*Includes Univ. Hospital staff

| Campus (in Osaka City)

Sugimoto Campus



Business, Economics, Law, Literature and Human Sciences, Science, Engineering, Human Life Science, Urban Management, Creative Cities, Media Center, etc.

Abeno Campus



Medicine, Nursing

Umeda Satellite



Urban Management, Creative Cities, Academic Extension Center

Founder's Noble Spirit Fused with Mercantile Rationalism

One of our inspirational founders was Tomoatsu Godai, a former samurai who understood the importance of industrialization. He studied in Britain before the Meiji Revolution in 1868, a landmark of Japanese modernization, and greatly contributed to the development of modern Osaka, a city of commerce, industry, culture and innovation. Godai's core belief was to think of others before thinking of oneself.

Good for Everyone (*Sanpo-yoshi*) Social Conscience of Osaka Citizens

Godai was enthusiastically supported by the people of Osaka. Why? Because his attitude was perfectly aligned with the merchants' belief in *sanpo-yoshi*, which means "benefit for all three sides": vendors, customers and society in general.

OCU Innovators

OCU adopts Godai's spirit in its disciplines. In research as well as in education, we foster modern samurai and encourage them to venture out in various intellectual fields, always thinking of others.

Osaka: International City for Two Millenniums

Osaka has been a social, commercial and cultural center of Japan for almost 2000 years. The city has also been a hub of international exchange. Osaka's cultural diversity distinguishes it from other large megalopolises in Japan, and the people are friendly, the food is excellent and life is exciting.

Why Study at OCU?



Advanced Research Activities

Center of Education and Research for Disaster Management (CERD)



<https://www.cerd.osaka-cu.ac.jp/>

Immediately after the Great East Japan Earthquake, OCU launched a cross-sectional research study on ways to support the affected areas and respond to future disasters. CERD was established in 2015 to further promote these activities, focusing on the themes of “social implementation of disaster knowledge” and “disaster-resilient communities” in close cooperation with local residents and administrative agencies.

Center for Health Science Innovation (CHSI)



<http://www.chsi.osaka-cu.ac.jp/en/>

CHSI was established in 2013, aiming to contribute to preserving and improving health, with research concentrating on fatigue and active health. Through industry-university-government collaboration, the center develops health products and services, while making the latest scientific information available to society.

Nambu Yoichiro Institute of Theoretical and Experimental Physics (NITEP)



<https://www.nitep.osaka-cu.ac.jp/about.html>

As the only Japanese university where Professor Nambu conducted his research as a full-time professor, we founded a research institute under his name. The main research theme is “Quest of Universality and Emergence in Physics Led by Broken Symmetry”, the director of the institute being Hiroshi Itoyama from the Graduate School of Science. NITEP will promote research both from theoretical and experimental perspectives, making physics of elementary particles, atomic nuclei, spacetime, and condensed matter borderless, and forming the pillar of modern physics with “spontaneous symmetry breaking” as the central axis. Our aim from now on is to facilitate a research environment that enables the promotion of advanced and international research activities and the cultivation of young researchers. We hope to form a base for international collaboration where leading researchers both inside Japan and from abroad can gather and work together.

Osaka City University Advanced Mathematical Institute (OCAMI)



http://www.sci.osaka-cu.ac.jp/OCAMI/index_e.html

OCAMI was initially established in 2003 within the Graduate School of Science following its selection for the 21st Century Center of Excellence Program under the theme “Constitution of Wide-Angle Mathematical Basis Focused on Knots.” Even after the program ended, OCAMI has continued with its research and educational projects in mathematics and mathematical science and serves as an international institute encouraging young people who are interested in this field. In 2019, OCAMI was authorized as a Joint Usage/Research Center by the Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT).

OCU Advanced Research Institute for Natural Science and Technology (OCARINA)



http://www.ocarina.osaka-cu.ac.jp/index_e.html

OCARINA was established as an interdisciplinary research institute consisting of selected members from faculties of Science, Engineering, Medicine and Human Life Science. The aim is to find solutions for environmental problems and global crises that the world is now facing, such as shortage of energy and water resources, food production and global warming with cooperation and assimilation of the accumulated knowledge of these faculty members as project studies.

Research Center for Urban Health and Sports (RCUHS)



<http://www.sports.osaka-cu.ac.jp/?language=en>

RCUHS works on interdisciplinary research in health and sports sciences in collaboration with associated administrative agencies and enterprises, to promote a healthy and active lifestyle in modern society. The center also offers lectures, sports practice, and applied experiment classes that contribute to improving students’ understanding of the physiological and psychological effects of human movement and sports activity.

Research Center for Artificial Photosynthesis (ReCAP)



<http://www.recap.osaka-cu.ac.jp>

To realize the artificial photosynthesis technologies required for producing solar fuel from CO₂, ReCAP was established in 2013 as a center of excellence for research and development based on collaboration between the industry and academia. In 2016, ReCAP was authorized as a Joint Usage/Research Center by the Ministry of Education, Culture, Sports, Science and Technology of Japan (MEXT). The center has provided financial and technical support for collaboration proposals related artificial photosynthesis from the research community. ReCAP aims to develop a CO₂ recycling society for next generation using the artificial photosynthesis technologies.

Urban Research Plaza (URP)



<http://www.ur-plaza.osaka-cu.ac.jp/en/>

Cities should ideally be places where new knowledge and urban culture are created through various encounters and discourses. URP, founded in April 2006, provides a platform for such endeavors with its unique structure and approach. URP has several satellite offices for studying urban problems on the scene. URP also has established international networks with various academic institutions and civic organizations in Shanghai, Yogyakarta, Bangkok, Hong Kong, Seoul, and Taipei. In addition, URP provides financial support for young researchers studying all over the world through its Research Fellow Program. Furthermore, in 2010, URP launched the international academic journal *City, Culture and Society* (CCS) published by Elsevier, a leading publisher, with editors working at prestigious universities including the City, University of London and the University of Zurich.

Faculty of Business/ Graduate School of Business

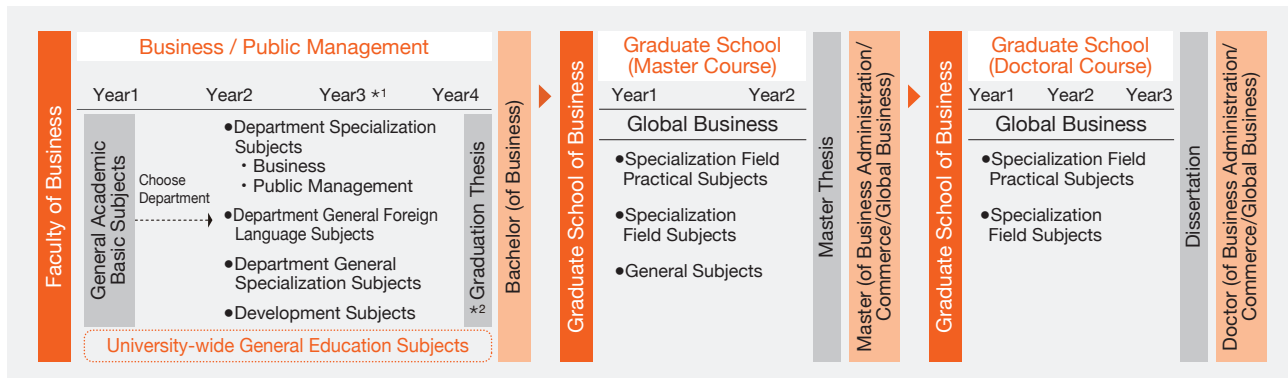
<http://www.bus.osaka-cu.ac.jp>



Seeking New Knowledge and Innovation for Global Business

■ Bachelor (of Business)
 ■ Master (of Business Administration)
 ■ Master (of Commerce)
 ■ Master (of Global Business)
 ■ Doctor (of Business Administration)
 ■ Doctor (of Commerce)
 ■ Doctor (of Global Business)

CURRICULUM



*1 : After completing the 3rd year it is possible to apply for the 5-year Undergraduate and Master Program (which makes it possible to obtain a Bachelor and Master degree in 5 years)
*2 : The graduation thesis is an elective subject.

Since the foundation in 1880, the Faculty of Business/ Graduate School of Business (GSB) and its predecessors have sent off thousands of excellent graduates into the world of business and research. The institution, focusing on both local and international business, has established its reputation as one of the most renowned business schools in Japan.

We place great importance on small grouped tutorials in our undergraduate programs. For the first and the second year students we have pro-seminar and theme-seminar, for the third and the fourth year students we provide specific field-seminar separately. Varieties of subjects are also provided from each course unit such as Management, Management Information, International Business, Industry and Urban City Management, Finance, Distribution, and Accounting.

In order to secure creativity and flexibility of our graduate programs, we organize our "Global Business Program" into a so-called GSB matrix, which consists of subject groups and research units.

Subject groups, as the first dimension of the GSB matrix, are composed of four subjects: Management, Accounting, Finance and Distribution, and Industry and Region. Each

subject provides both basic and advanced knowledge of the area. Students can choose any subject as their major or minor. In the second dimension of GSB matrix, there are five research units: Strategic Management, Management Information, International Business, Industry Creation, and Public and Environmental Management. Each of the research units is designed for the purpose of specialized and focused research. Students can make a variety of choices by selecting different subjects and units.

We have established a new "Asian Business Research Program" in the master's course since 2018. This program aims to nurture human resources who will work in Asian business and to develop international education and research of the Graduate School of Business.



Faculty of Economics/ Graduate School of Economics

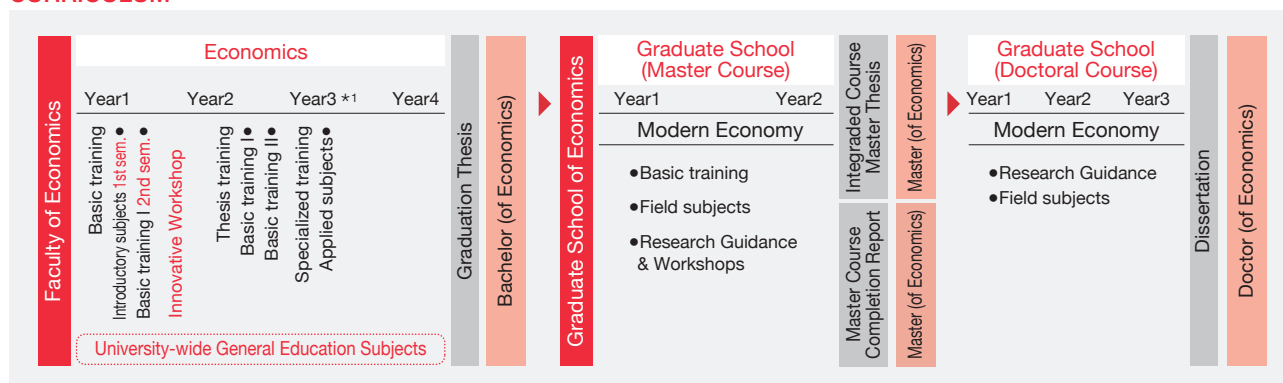
<http://www.econ.osaka-cu.ac.jp>



Shaping Students for Global Competition

■ Bachelor (of Economics) ■ Master (of Economics) ■ Doctor (of Economics)

CURRICULUM



*1 : Students with excellent study results may take the entrance exam for the master course during the 3rd year.

The Faculty of Economics features a wide range of courses and research specialties. Research areas include economic theory, quantitative research, economic history, political economy, labor, and welfare. Asian studies are a major strength, and some professors specialize in Europe and the European Union as well.

The curriculum is diverse but systematic. Students take a wide range of introductory courses during their first, then begin taking more specialized classes as second-year students. We have a large number of small classes that allow students to interact closely with professors.

Our two-year seminar classes are especially important. To ensure high educational standards, we limit the number of students in each seminar to ten. Professors guide the development of research skills of students during their third years, and then supervise the writing of graduation thesis.

We are steadily expanding our international program. We have expanded the number of classes taught in English, and we also actively engage in international academic exchange with overseas universities such as Andrews University in USA and De La Salle University in the

Philippines. We facilitate pedagogical program of COIL (Collaborative Online International Learning) and educational tour.

Finally, the Faculty of Economics serves as a gateway to excellent career opportunities. Our students are especially attractive to financial institutions, and have recently been hired by Nomura Securities, Sumitomo Mitsui Banking Corporation, and MUFJ Bank. Other Faculty graduates have recently been hired by Toyota, Panasonic, Komatsu, and Daiwa House. We have strengthened our alumni network and improved assistance to job-hunting students.



Faculty of Law/ Graduate School of Law

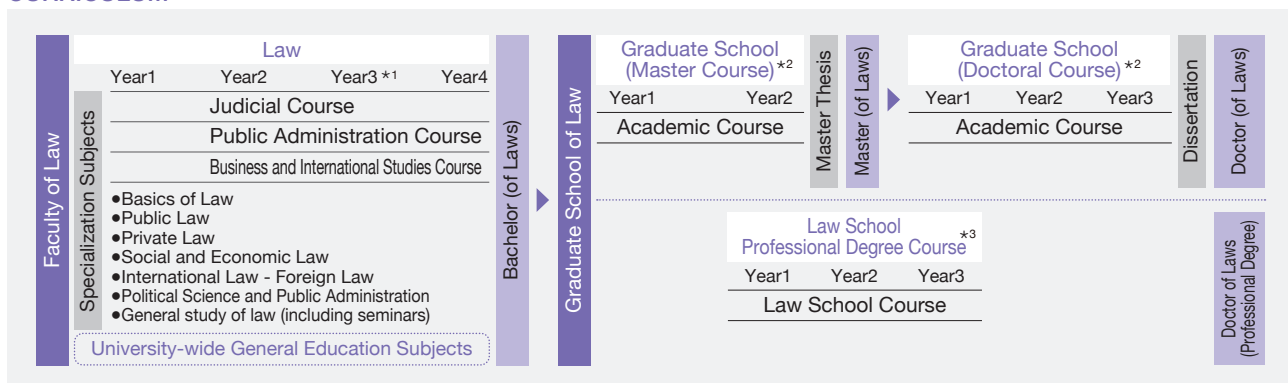
<http://www.law.osaka-cu.ac.jp>



Face-to-Face Communication with Professors

■ Bachelor (of Laws) ■ Master (of Laws) ■ Doctor (of Laws)

CURRICULUM



*1 : Students with excellent study results may take the entrance exam for the master course during the 3rd year.

*2 : Students with excellent study results may take part in a shortened Master Course program (standard 2 years). Doctoral students with excellent study results may shorten the doctoral program (standard 3 years).

*3 : Students need to obtain credits over 3 years, but students that have been judged to have sufficient academic ability in certain subjects offered within the Law School may be allowed to finish the course in 2 years.

The purpose of the education in the Faculty of Law is twofold. First, students are given fundamental knowledge in various branches of social science. They are also given training for proficiency in foreign languages. Second, we ensure that all students acquire the basic skills needed for legal analysis. They additionally practice essay writing, oral presentations, discussions and negotiations. The Faculty of Law has three educational courses: Judicial, Public Administration, and Business & International Studies. The number of students is kept small to allow one-to-one communication with professors and other teaching staff members. The latest information technology as well as millions of books and periodicals are available at the University Media Center.

Our Graduate School of Law has two educational courses. One is for students who want to further their ability to analyze legal and political problems (Academic Course), and the other is for those who want to practice law in the future (Law School). In the Academic Course, students usually engage in research work on a specific

theme, and thereby enhance their skills in legal and political analysis.

The Law School course provides students with a higher level of knowledge and skills required for practicing lawyers. For this purpose, in addition to our many professors with long academic careers, we also have professors who practice law and provide on-the-job training at law offices.



Faculty/ Graduate School of Literature and Human Sciences

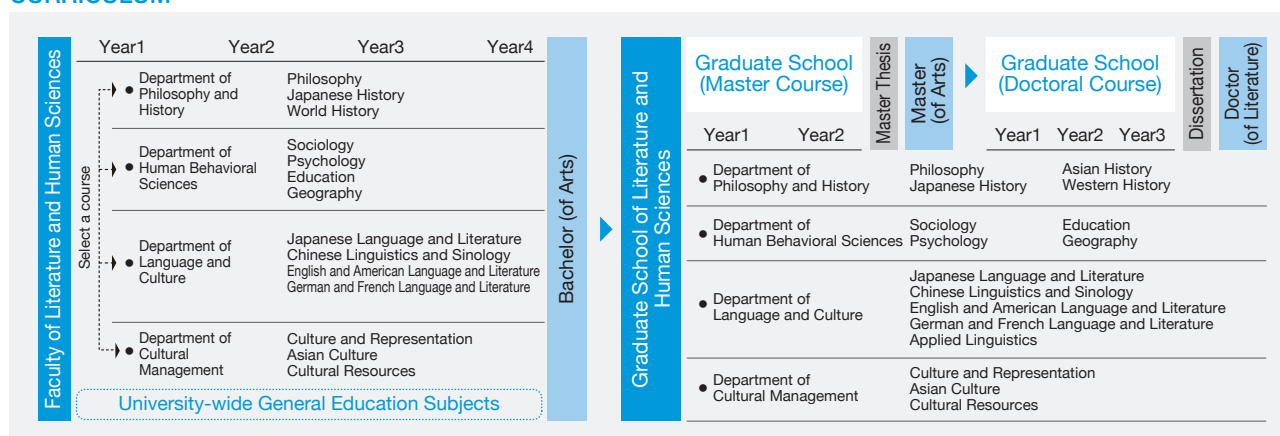
<http://www.lit.osaka-cu.ac.jp>



Adventures in Transformative Thinking

■ Bachelor (of Arts) ■ Master (of Arts) ■ Doctor (of Literature)

CURRICULUM



The common thread that runs throughout the Faculty of Literature and Human Sciences is the attitude of striving to reach a deep and comprehensive understanding of human beings and the culture that we have constructed. The fields of research covered by this Faculty spread through various matters relating to human beings - from the human being itself to cultural creations, including languages, ideologies, religions, literatures, histories and social systems.

The Faculty of Literature and Human Sciences consists of four departments: the Department of Philosophy and History, the Department of Human Behavioral Sciences, the Department of Language and Culture, and the Department of Cultural Management. Each course involves a small-class system, strictly adhering to a few or a carefully controlled number of students per class. Selecting from the diverse range of classes offered by each course, students can freely design their own curricula based on their interests and delve into the specialized or interdisciplinary topic of their choice.

The graduates of the Faculty find employment in the private sector, civil service and teaching profession, or go on to the graduate school for their Master/Doctor degree. Most of the doctoral graduates of our Faculty are engaged in careers in the fields of research and education at high-ranked academic institutions both in Japan and overseas.



Faculty of Science/ Graduate School of Science

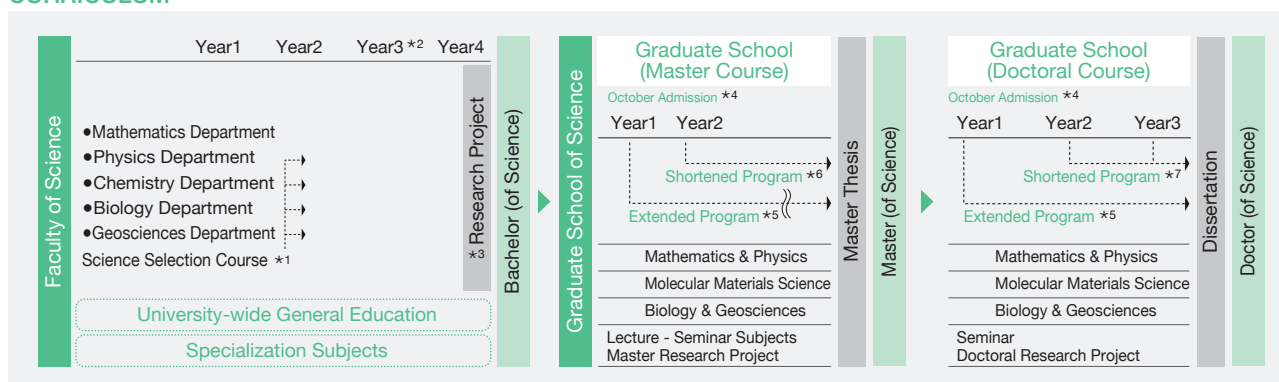
<http://www.sci.osaka-cu.ac.jp>



Enter Graduate School to Continue Advanced Studies

■ Bachelor (of Science) ■ Master (of Science) ■ Doctor (of Science)

CURRICULUM



*1 : Students who enter under the Science Selection Course can choose to enter the Physics Department, Chemistry Department, Biology Department or Geosciences Department at the end of the first year.

*2 : Students with excellent study results may take the entrance exam for the master course during the 3rd year.

*3 : 'Special Experiments-Special Theoretical Exercises' at the Physics Department.

*4 : Regular Admission is in April, but October Admission is also possible (for international students at Master or Doctoral level).

*5 : Upon certain conditions, students can extend their study program (to 4 years for the Master Course and 6 years for the Doctoral Course).

*6 : Students with excellent study results may take part in a shortened Master Course program (standard 2 years). *7 : Doctoral students with excellent study results may shorten the doctoral program (standard 3 years).

The Faculty of Science established in 1949, now consists of five departments and the Botanical Gardens. Our faculty members play a leading part in a wide range of research fields and several groups have prominently high international reputations. On the basis of the research activities, high quality education is provided for both undergraduates and graduates.

The undergraduate course is designed systematically from basic to advanced subjects. The lectures are well linked with exercises; a variety of experimental trainings with high-level laboratory facilities and small group seminars are offered. The fourth year students are assigned to laboratories and pursue undergraduate researches under the supervision of a faculty member.

The graduate program combines creative, independent research with seminars and lectures. The dominant component is research. New graduate students usually complete their master thesis in two years and their doctoral thesis in three years. Our graduates go on to a variety of outstanding and rewarding positions, including jobs in academia, industry and national laboratories.

Osaka City University Botanical Gardens

The Botanical Gardens were established in 1950, as a research facility of the Faculty of Science and Engineering. Since then the Botanical Gardens have been collecting and preserving countless plants for the purpose of basic botanical research. The Botanical Gardens are not only used for research, but are open for anyone wishing to learn about nature.



Faculty of Engineering/ Graduate School of Engineering

<http://www.eng.osaka-cu.ac.jp>

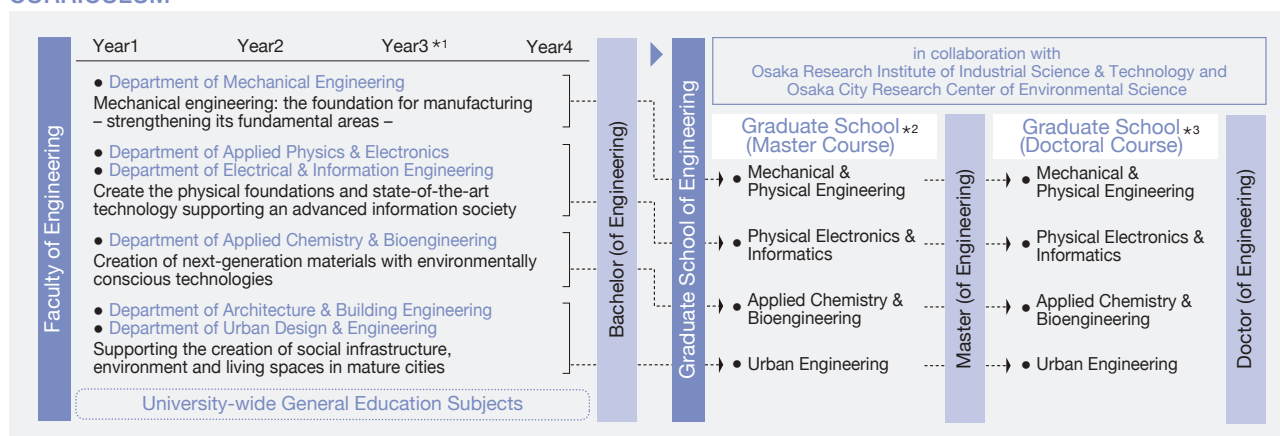


©2020 Hasegawa Kenta

Contributing to Sustainable Development

■ Bachelor (of Engineering) ■ Master (of Engineering) ■ Doctor (of Engineering)

CURRICULUM



*1 : High-achieving undergraduate students may have a chance to take the entrance exam for the master course during the 3rd year.

*2 : High-achieving graduate students may complete the master course program shorter than the standard period (2 years).

*3 : High-achieving doctoral students may complete the doctoral course program shorter than the standard period (3 years).

Engineering is a creative application of knowledge of natural science and mathematics to fulfill various demands from human beings. Successful blooms of the engineering can be seen in numerous areas, for example, the emergence of information and communication technology (ICT) at the end of the last century has changed our lifestyle completely. Also, biotechnological inventions have successfully eradicated various types of diseases. We can share the fruits of the engineering with people all over the world.

Expectations for the engineering are still growing day by day to realize our dreams; however, a number of critical issues such as global warming, depletion of fossil fuels, remain unsolved. Engineers should address each issue with pursuing sustainable development as well as more comfortable, convenient and safe lives.

Faculty of engineering at OCU constitutes of six departments based on mathematics, physics, chemistry and biology. All the departments are oriented to address urban problems, because OCU locates in the middle of a big city. We welcome students eager to be really professional and sophisticated engineers or scientists addressing unsolved issues.

Undergraduate

Department

- Mechanical Engineering
- Applied Physics & Electronics
- Electrical & Information Engineering
- Applied Chemistry & Bioengineering
- Architecture & Building Engineering
- Urban Design & Engineering

Graduate

Department

- Mechanical & Physical Engineering
- Physical Electronics & Informatics
- Applied Chemistry & Bioengineering
- Urban Engineering



Faculty/ Graduate School of Medicine

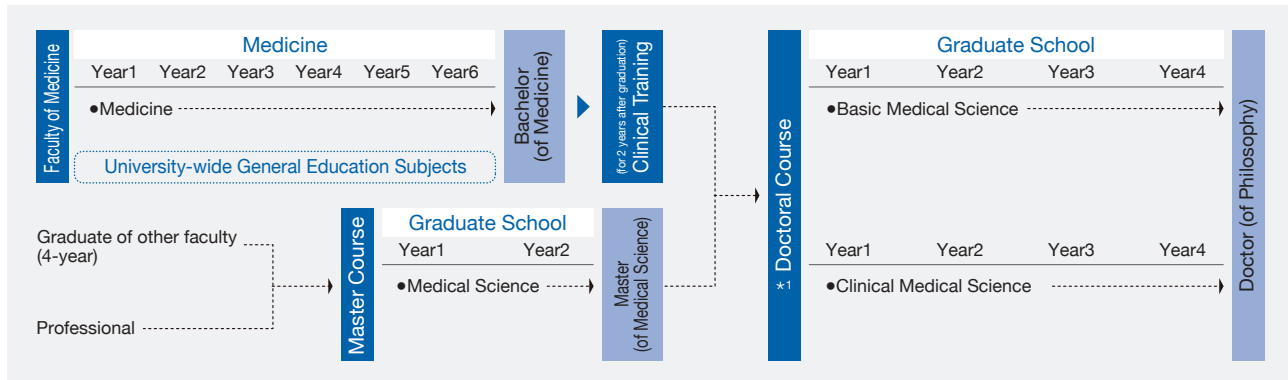
<http://www.med.osaka-cu.ac.jp>



As a Leading Medical Center in Osaka City

■ Bachelor (of Medicine) ■ Master (of Medical Science) ■ Doctor (of Philosophy)

CURRICULUM



*1 : <shortened curriculum> Students with excellent study results may complete the course in 3 or 3.5 years

The Osaka City University Faculty of Medicine was founded by Osaka City in 1944 to educate medical students to become doctors and practice medicine, with wisdom, blessing and bravery. The Faculty of Medicine, Graduate School and University Hospital are situated in the center of Osaka City (Abeno campus), just 20 minutes away from JR Osaka Station and 20 minutes from the main campus in Sugimoto.

We have more than 2,000 daily outpatients and 900 beds in the area of 87,000 m² of the University Hospital. The Faculty of Medicine, Graduate School and University Hospital play important roles in basic medical sciences and practice as a leading medical center in Osaka City.

The Graduate School is divided into two courses, the basic medical science and the clinical medicine courses. In addition to these regular 4-year courses, we have introduced a 2-year Master Course in medicine for nurses, pharmacists, clinical technicians, and other people who are interested in learning medical sciences and are working in the medical fields.

As a medical training institution, we intend to match the medical education global standard, to adapt to the qualitative and quantitative changes in society, to be patient-centered, and to develop quality medical providers with excellent communication skills and ethical values.



School of Nursing/ Graduate School of Nursing

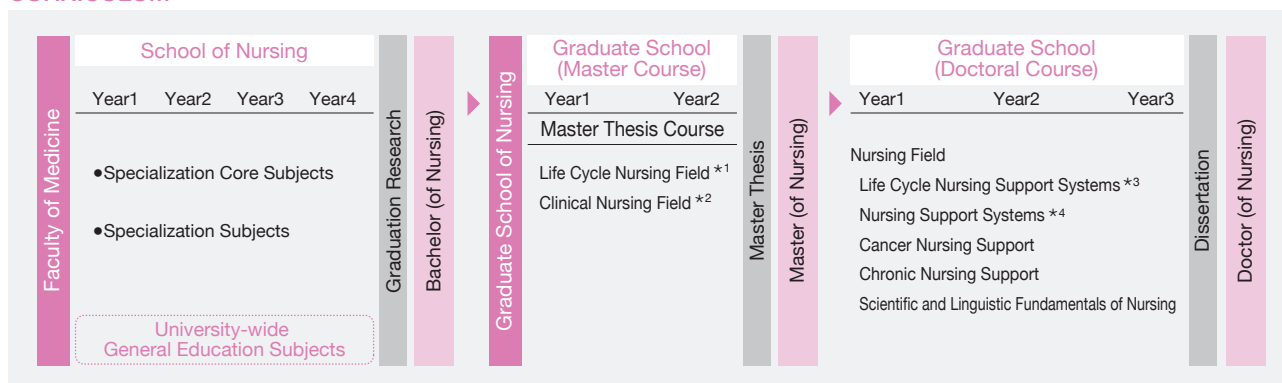
<http://www.nurs.osaka-cu.ac.jp>



To become a Health Care Practitioner with Liberal Spirits

■ Bachelor (of Nursing) ■ Master (of Nursing) ■ Doctor (of Nursing)

CURRICULUM



*1 : Fundamental Nursing, Public Health Nursing, Gerontological Health Nursing, Home Health Care Nursing

*2 : Scientific and Linguistic Fundamentals of Nursing (from academic year 2017) Cancer Nursing and Acute Nursing, Chronic Nursing, Psychiatric/Mental Health Nursing, Maternal Health Nursing, Child Health Care Nursing

*3 : Nursing Science, Public Health, Gerontology, Home Health Care *4 : Psychiatric/Mental Health, Maternal Health, Child Health Care

As a result of significant advances in both techniques and technologies in the field of medical science, Japan's health care environment has been experiencing rapid changes. These same advances have given Japan a lengthened average life span as well as a declining birth rate. The demand for nurses with capabilities to make precise observations and to provide exact assessment and skilled care increased not only in conventional health care institutions, but also in community and home health care setting.

Osaka City University Graduate School of Nursing/School of Nursing, opened especially to meet these needs. The school has developed a unique curriculum which is particularly useful in dealing with the complex problems our society is facing, such as creating a viable health care environment in an increasingly stressful modern society; a health care environment which takes into account the needs of elders as well as young people, focusing on the common thread of humanity and health that we all share. The need for keeping abreast of the latest developments in

international nursing is also emphasized as Japan moves to integrate further into the global health care community as health care leaders.



Faculty/ Graduate School of Human Life Science

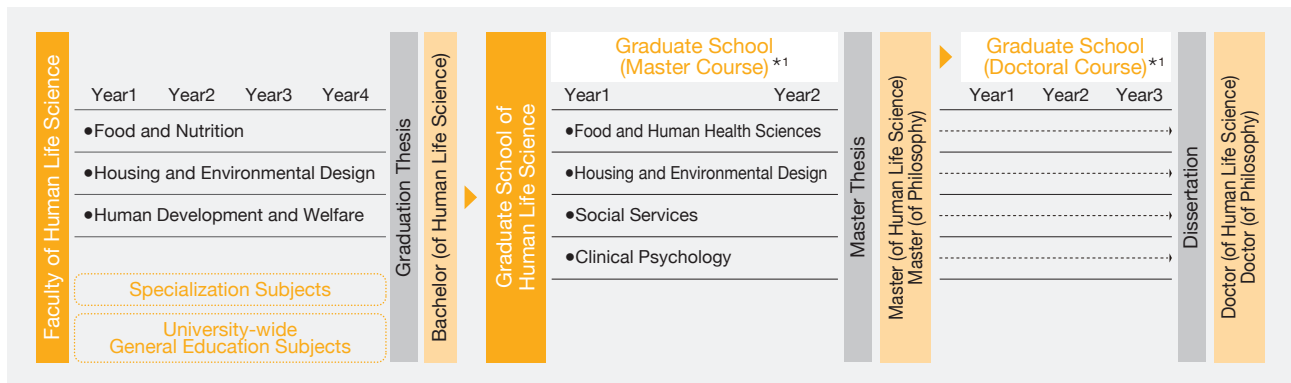
<http://www.life.osaka-cu.ac.jp>



With One Goal to Create the Best Quality of Life

- Bachelor (of Human Life Science) ■ Master (of Human Life Science) ■ Master (of Philosophy)
- Doctor (of Human Life Science) ■ Doctor (of Philosophy)

CURRICULUM



*1 : Upon conditions, students may be allowed to extend the study period. Not possible in each course.

The Graduate School of Human Life Science was established in 1975 and is one of the foremost institutes for research and education in the field of Human Life Science.

It is the obligation of Human Life Science to show the road ahead to creating a better quality of life through investigating improvements in health, psychology, well-being and our environment. With this as our goal, our four education and research courses are performing excellent research and providing students with a high degree of education.

The Food and Human Health Sciences Course studies the fundamental science of nutrition, food safety, food science, and applied and clinical nutrition. It consists of seven fields of research: Molecular and Biochemical Nutrition, Food Science, Environmental Health Sciences, Nutritional Medicine, Public Health and Community Nutrition, Nutritional Education, and Clinical and Applied Nutrition.

The Housing and Environmental Design Course studies environmental engineering, design, culture and housing. This course focuses on contemporary issues associated with residential space for urban life and the physical environment.

The Social Services Course promotes the well-being of society through the study of social work and social policy.

The Clinical Psychology Course improves human well-being through the study of developmental and clinical psychology of the family from the viewpoint of lifespan psychology.



Graduate School of Urban Management

<http://www.gsum.osaka-cu.ac.jp>



Toward the Education of Advanced Professionals and Practical Researchers

- Part-time master's program (night and weekend classes) tailored for working students
- Umeda satellite campus perfectly located near Osaka station

Regeneration and Revitalization of Cities by Promoting Urban Innovation and Sustainability

The Graduate School of Urban Management will support all leaders and professionals in search for the solutions of urban business/public policy problems.

Master's Program of GSUM

GSUM provides an extraordinary program for leaders and advanced professionals of government and public institutions, private companies and non-profit organizations, who challenge the problems of urban management. We promote the concepts of 'Innovation and sustainability' from interdisciplinary viewpoints of economics, management and policy sciences, regional studies and law/public administration studies.

Four Courses of GSUM

- ① Urban Policy and Regional Economy
- ② Urban Governance
- ③ Urban Business
- ④ Innovation Management of Healthcare and Social Welfare Organizations

Doctoral Program of GSUM

Doctoral Program of GSUM is a significant opportunity for those who pursue their advanced degree with their professional career in their respective institutions and organizations.

GSUM supports the students to develop their planning and research abilities. Students will be sure to broaden their academic horizon and to feedback their research findings into their practical careers.

Graduate School for Creative Cities

<http://www.gscs.osaka-cu.ac.jp>



Professionals in a mature urban society have increasingly hoped to acquire a high degree of knowledge related to their special fields and the ability to create knowledge solving problems. The Graduate School for Creative Cities offers a doctoral program that aims to train researchers and opinion leaders with practical and ability solving problems who will contribute to make our cities creative.

Graduate School for Creative Cities (GSCC) is no longer accepting new students.

Research Institutes and Facilities



Media Center

<https://www.media.osaka-cu.ac.jp/>

With a collection of approximately 2.5 million books and access to 30,000 scientific journals, the Media Center is one of the largest university libraries in Japan. It offers a wide variety of facilities where students can study, practice presentations or simply relax, while also functioning as the hub of the university's information processing and networking.



University Hospital

<http://www.hosp.med.osaka-cu.ac.jp>

The University Hospital has 38 medical departments that handle an average of more than 2,000 patients each day, making it one of the largest general hospitals in Japan. Designated as 1) a Cancer Care District Liaison Hospital, 2) a Medical Center for Dementia and 3) an Emergency and Critical Care Center, the hospital strives to provide high-quality health care for the Osaka region and to continually improve the care for its patients.



MedCity21

<http://medcity21.jp/>

MedCity 21, located in Osaka's new landmark, Abeno Harukas Building, is a comprehensive health examination facility consisting of a clinic and a research center. In the clinic section, high-precision examinations are provided by skilled staff members with advanced medical technology for preventive care for the early detection and treatment of diseases. By collecting biological specimens and health-related information from consenting patients, MedCity 21 has built one of the foremost biobanks in Japan. Development research on novel biomarkers and a comprehensive cohort study have been conducted in the research section.



Collaboration and Contribution Center for Community

<https://www.connect.osaka-cu.ac.jp/4c/>

Identifying and matching the needs of the local community, government, education and business with the university's educational and research resources, the Collaboration and Contribution Center for Community was opened in 2013. The Center contributes to community revitalization and cultural development through the creation of various encounters and exchanges between local people as "think tanks" to help respond to local challenges.

Botanical Gardens

<http://sci.osaka-cu.ac.jp/biol/botan/>

The OCU Botanical Gardens was established in 1950 to cultivate plants for botanical research. Eleven types of Japanese forest vegetation have been transplanted here, including about 450 species. Another unique feature is the "Fossil Forest" of *Metasequoia* and swamp cypress. The Botanical Gardens is also expanding as a center for the conservation of endangered plants. It is open to the public for educational and recreational purposes, too.



URA Center/ Osaka City University Incubator

<http://www.osaka-cu.ac.jp/ja/research/ura>

As a prime research hub for collaborative activities among government, industry and academia, the University Research Administration (URA) Center aims to strengthen the regional economy by stimulating industrial innovation. The OCU Incubator was established in 2002 for local entrepreneurs and enterprises pursuing new business ventures and/or new product development resulting from research projects conducted at Osaka City University.



Other Research Institutes & Facilities

- Academic Extension Center
- Archives of University History
- Basic Experiment Education Building
- Center for Information Initiative
- Center for Research and Development of Higher Education
- Central Workshop
- English Education Development Center
- Facility Center for Advanced Research and Innovation
- Global Exchange Office
- Health and Medical Services Center
- Radioisotope Center
- Research Center for Finance and Securities
- Research Center for Human Rights
- Takahara Hall
- Tanaka Memorial Hall



Information for International Students

Global Exchange Office, tel. +81-(0)6-6605-3558, email: goto.ocu@ado.osaka-cu.ac.jp
<http://www.osaka-cu.ac.jp/en>

| Step-by-Step Admission Guide

Undergraduate Courses

June or November	Step 1 : Take the Examination for Japanese University Admission for International Students (EJU) The subjects you need to take and the scores you need to obtain differ per faculty.
October - December	Step 2 : Apply Obtain application form (from October) → Submit application (specified date in December)
February	Step 3 : Take the Osaka City University entrance exam
1 April	Enter Osaka City University (academic year: 1 April - 31 March)

Master Courses

Before July	Step 1 : Find an academic supervisor
June - July	Step 2 : Apply Obtain application form (from June) → Submit application (specified date in July)
August or September	Step 3 : Take the Osaka City University entrance exam
1 April	Enter Osaka City University (academic year: 1 April - 31 March) (October enrollment possible for Graduate School of Science. Application periods differ.)

Doctoral Courses

Before December	Step 1 : Find an academic supervisor
November-January	Step 2 : Apply Obtain application form (from November) → Submit application (specified date in January)
February	Step 3 : Take the Osaka City University entrance exam
1 April	Enter Osaka City University (academic year: 1 April - 31 March) (October enrollment possible for Graduate School of Science, Graduate School of Engineering and Graduate School of Medicine. Application periods differ.)

Research Students (6 months or 1 year period of study in preparation for entering into Graduate School)

Step 1 : **Find an academic supervisor**

Step 2 : **Apply**
Application periods, selection and entry dates differ per Graduate School

? How to find a supervisor

- see the list of researchers on our website:
<https://research-soran17.osaka-cu.ac.jp/search?m=home&l=en>
- see the list of teaching staff on the website of each Graduate School
- see the list of research subjects in the 'Graduate Schools Outline' on the website
- see who teaches a specific course in the syllabus of each Graduate School

Contact a professor directly or via the Global Exchange Office and provide:

- your academic background
(diplomas obtained or expected in the near future)
- the level you want to study at: research student/master/doctoral
- which Graduate School and which course you want to enter
- an indication of your Japanese language ability
- which professor you would like to ask to become your supervisor
- your study/research plan

Global Exchange Office : goto.ocu@ado.osaka-cu.ac.jp

NOTE : Classes at OCU are given in Japanese. However, some courses as well as academic supervision at graduate schools may be conducted in English.
 For more details, see the official admission guidelines on <http://www.osaka-cu.ac.jp/ja/admissions> (Japanese only)

| Academic Calendar 2020 - 2021

Graduation Ceremony	Cancelled.
First Semester	May 14 – Sept. 30
Entrance Ceremony	Cancelled.
Summer Vacation	Aug. 25 – Sept. 15
Second Semester	Oct. 1 – Mar. 31
Winter Vacation	Dec. 24 – Jan. 6
Spring Vacation	March 20 – 31



The above schedule is as of 15 August.

Depending on the situation surrounding COVID-19, the schedule is subject to change.

| Housing

1. Residential facilities for international students

Osaka City University and other public organizations have a limited number of residential facilities for international and exchange students, including the Osaka City University International Residence. Nearly 90% of international students live in private apartments near Osaka City University.



	Number of Rooms	Eligibility	Residence Period	Monthly Fee		
				JPY	USD*	
Osaka City University International Residence	Single Rooms	29	International students (New privately financed students get priority)	Max. 1 year	7,500	69
	Family Rooms	2 (Researchers get priority)	International students (New privately financed students get priority)	3 months ~ 1 year	16,300	150
Orion International residence	Single Rooms	85	Single Privately financed students	Max. 2 years	26,000	239
Uenoshiba Woman's Dormitory	Single Rooms	93	Single female students	Min. years needed for graduation	5,500 (water charge is included)	51

* Converted based on the TTS rate on April 1, 2020

2. Private housing

3. Housing Guarantor System for International Students

When you rent an apartment in Japan, you will often be asked to have a joint-guarantor (rentai-hoshounin) who co-signs the lease to share liability with the lessee. This can be difficult for some students but it's hard to rent without a joint guarantor.

Osaka City University can act as a joint-guarantor for international students (OCU undergraduate, graduate and research students) who are unable to find a guarantor by themselves.

| Visa

Students need to obtain a visa before coming to Japan. OCU can apply to the Japanese Ministry of Justice for a Certificate of Eligibility for you to make the visa application process go more smoothly. After receiving the Certificate of Eligibility you can take it to the Japanese Embassy or Consulate in your country and apply for a visa.

| Supplemental Japanese Language Class

This free supplemental class is offered once a week and is for enrolled international students who wish to further improve their Japanese.

Information for International Students

Global Exchange Office, tel. +81-(0)6-6605-3558, email: goto.ocu@ado.osaka-cu.ac.jp
<http://www.osaka-cu.ac.jp/en>

Tuition Fees (for privately financed international students, as of April 2020, amount may be subject to change)

Fees (all in Yen)		Application Fee		Admission Fee		Admission Fee for Osaka Citizens (1)		Annual Tuition Fee	
		JPY	USD *	JPY	USD *	JPY	USD *	JPY	USD *
Undergraduate	Degree Student	30,000	276	382,000	3,518	222,000	2,044	535,800	4,934
Graduate	Degree Student	30,000	276	382,000 (Law School:0)	3,518 (Law School:0)	222,000 (Law School:0)	2,044 (Law School:0)	535,800	4,934
	Research Student	9,800	90	102,600	945	66,600	613	29,700 p/m	274 p/m

* Converted based on the TTS rate on April 1, 2020

(1) To be eligible for the special fee for Osaka citizens or their children, you need to satisfy one of the following conditions :

- having lived in Osaka consecutively for at least 1 year prior to the day of university entrance
- having a parent in the same family register who has lived in Osaka consecutively for at least 1 year prior to the day of university entrance

NOTE : Payment of the tuition fee for degree students must be made in two installments for six month periods in May and October. Payment in smaller installments is not possible.
 Payment of the tuition fee for research students is required per six months. Payment in smaller installments is not possible.

Financial Support and Scholarships for International Students

1. Tuition Fee Exemption

International students under financial difficulties with satisfactory study results may be eligible for 1/3, 2/3 or complete exemption of tuition fees. Please apply after entering OCU.

		JPY	USD *
Standard tuition fee (per year)		535,800	4,934
2/3 exemption	First semester	89,300	822
	Second semester	89,300	822
1/3 exemption	First semester	178,600	1,645
	Second semester	178,600	1,645

* Converted based on the TTS rate on April 1, 2020

2. Scholarships

After enrollment you can apply for a number of scholarships for which you need a recommendation from OCU. You can apply for a recommendation in April (after you have been admitted to OCU) and you can then use the recommendation throughout the year to apply for the various scholarships.

For a list of available scholarships, amounts and conditions, please see the QR Code on the right



Cost of Living

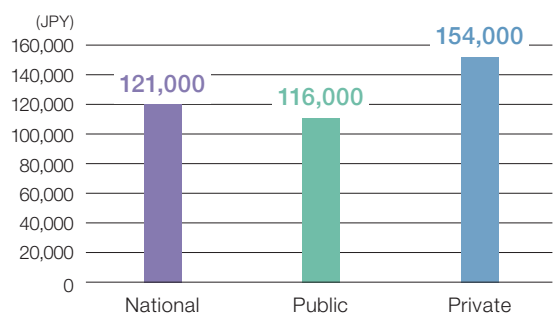
Source: Lifestyle Survey of Privately Financed International Students 2017 (JASSO)

Cost of Living per month (Average Expenditure)

	Undergraduate	Master	Doctor	Research Students
JPY	148,000	132,000	134,000	127,000
USD *	1,363	1,216	1,234	1,170

* Converted based on the TTS rate on April 1, 2020

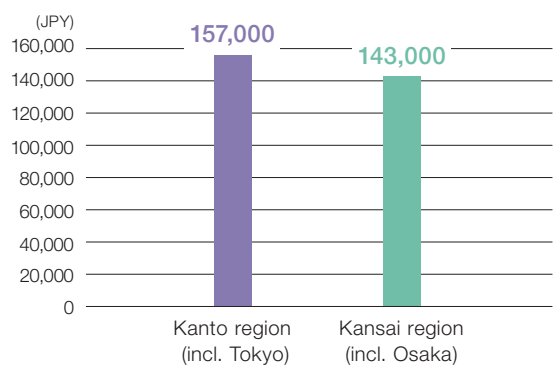
Per university type



	National	Public	Private
JPY	121,000	116,000	154,000
USD *	1,114	1,068	1,418

* Converted based on the TTS rate on April 1, 2020

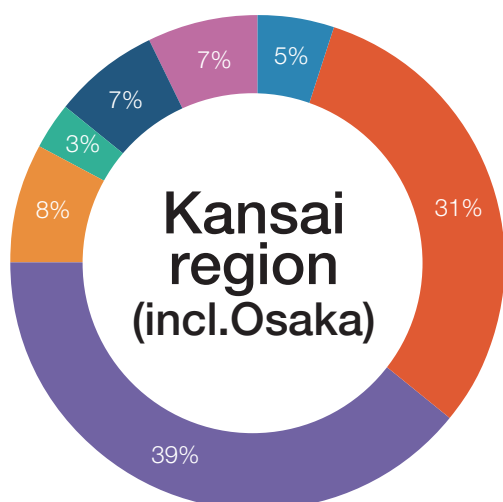
Per region



	Kanto region (incl. Tokyo)	Kansai region (incl. Osaka)
JPY	157,000	143,000
USD *	1,446	1,317

* Converted based on the TTS rate on April 1, 2020

Breakdown of monthly spending (Kansai region)



Commuting	5%
Food	31%
Rent	39%
Utility charges (electricity, gas and water)	8%
Insurance & Medical	3%
Hobby & Entertainment	7%
Miscellaneous	7%

Overseas Partner Institutions

Osaka City University has concluded various academic exchange agreements with universities and research institutes abroad. Under these agreements, a number of mutual exchange programs for both researchers and students have been established. The university expects to expand its international exchange through further agreements with other overseas universities. (As of 1 April 2020)

Australia

★ University of Melbourne (University-wide)

University of South Australia (University-wide)

The Royal Melbourne Hospital

Bangladesh

Rajshahi University

Belgium

Université Libre de Bruxelles

Bolivia

Universidad Mayor de San Andrés

Brazil

★ University of São Paulo (University-wide)

Cambodia

International University

Canada

University of Victoria

China

★ All Universities in Shanghai (University-wide)

Anhui University

Beijing Jiaotong University (University-wide)

China Paulownia Research Center

Chinese Academy of Social Science

Chinese University of Hong Kong (University-wide)

Chongqing University (University-wide)

Dalian University (University-wide)

Dalian University of Technology

Dongbei University

East China Normal University (University-wide)

East China University of Political Science and Law (University-wide)

Fuzhou University

Guangzhou University

Hong Kong Baptist University

Inner Mongolia Normal University

Jilin University

Nanjing Normal University

Nankai University

Ningxia University

Shanghai Jiao Tong University

Shanghai University (University-wide)

Shenzhen University (University-wide)

Soochow University

Sun Yat-Sen University

Tongji University

Zhengzhou University of Light Industry

France

Cergy-Pontoise University

Jean Moulin - Lyon 3 University

Pierre & Marie Curie University

Université Paris Diderot

University Claude Bernard Lyon 1

University of Le Havre (University-wide)

University of Tours

Germany

EKO-Haus der Japanischen Kultur

JWG-Universität Frankfurt am Main

Rheinische Friedrich-Wilhelms-University of Bonn

University of Freiburg

★ University of Hamburg (University-wide)

The University of Oldenburg

India

All India Institute of Medical Sciences

Anna University

Krishna Institute of Medical Sciences Limited

National Institute of Mental Health and Neuro Sciences

Postgraduate Institute of Medical Education & Research

Sree Chitra Tirunal Institute for Medical Sciences and Technology

Tata Institute of Fundamental Research (University-wide)

University of Pune

Indonesia

Andalas University (University-wide)

Institut Seni Indonesia Yogyakarta

Institut Teknologi Sepuluh Nopember

Universitas Airlangga

Universitas Indonesia (University-wide)

Universitas Gadjah Mada (University-wide)

University of Padjadjaran

Ireland

Dublin City University

Italy

Università Politecnica delle Marche

University of Cagliari

University of Modena and Reggio Emilia

University of Padova

Korea
Ajou University
Boramae Medical Center of the Republic of Korea
Catholic University of Daegu
Chonnam National University (University-wide)
Chung-Ang University
Hankuk University of Foreign Studies (University-wide)
Jeju National University (University-wide)
Korea Advanced Institute of Science and Technology
Korea Center for City and Environment Research
Korea Institute for Health and Social Affairs
Kyung Hee University
Kyungpook National University
Pusan National University
Sahmyook University (University-wide)
Seoul National University
Seoul Seongdong-gu
The Seoul Institute
University of Seoul (University-wide)
Yeungnam University
Yonsei University
Malaysia
Taylor's University (University-wide)
Mexico
Juarez Autonomous University of Tabasco
Universidad Autónoma de Guadalajara
Instituto Potosino de Investigacion Cientifica y Tecnologica
Pakistan
Quaid-i-Azam University
Phillippines
Damayan ng Maralitang Pilipinong Api
De La Salle University (University-wide)
Russia
★ St. Petersburg State University (University-wide)
Taiwan
Fu Jen Catholic University
I-Shou University (University-wide)
National Central University (University-wide)
National Chengchi University
National Cheng Kung University
National Taiwan University
National Taiwan Normal University
Shih Chien University (University-wide)
Soochow University

Taipei Medical University
Wenzao Ursuline University of Language (University-wide)
Thailand
Chiang Mai University (University-wide)
Chulalongkorn University (University-wide)
Mahidol University
Naresuan University
Navamindradhiraj University
Rajamangala University
Silpakorn University
Srinakharinwirot University
Thammasat University (University-wide)
UK
Oxford University Hertford College
University of Bath (University-wide)
University of Bristol
University of London
University of Manchester
University of Sheffield
UAE
Gulf Medical University
USA
Andrew's University (University-wide)
Florida State University (University-wide)
Illinois Institute of Technology (University-wide)
San Francisco State University
Thomas Jefferson University
University of California, Riverside
University of Illinois at Urbana-Champaign
University of Southern California
University of Wisconsin-Madison
Weber State University (University-wide)
Yale University
Vietnam
Consulate General of the Socialist Republic of Vietnam in Osaka (University-wide)
Da Lat University
Hanoi Medical University (University-wide)
Hanoi Technical University of Mining & Geology
Nam Dinh University of Nursing (University-wide)
University of Medicine and Pharmacy, Ho Chi Minh City
VNU University of Economics and Business (University-wide)
VNU University of Science
108 Military Hospital

Research Themes by Faculty Member

Graduate School of Business

Ishii, Shinichi

Research on cooperation between corporations

Kobayashi, Tetsu

Marketing management, Strategic brand management

Zhai, Linyu

Corporate financial policy and capital markets

Nakase, Akifumi

History of Japanese electrical power industry, historical discussion of industrial regions surrounding Osaka, History of Production System

Yamada, Jin-ichiro

Strategic Entrepreneurship, Corporate Strategy, Entrepreneurship and Corporate Governance

Yoshimura, Norihisa

Rationality of unique corporate governance and management observed in family businesses, German companies, etc.

Li, Jiesheng

Research on management system and industrial relations between Japanese companies and Chinese companies

Wang, Dongming

Research on the Chinese capital market

Ozawa, Takashi

Competitive dynamics and strategic management

Takada, Teruko

Crowd behavior analysis using financial big data

Wang Yixuan

Human resource management and organizational theory

Kiyota, Takumi

Financial practices in Germany and development of financial theory, Regional Banking

Kamino, Mitsushiro

Research on the evolution of the U.S. financial system

Suzuki, Yotaro

Geographic expansion and international specialization in multinational corporations

Takahashi, Nobuhiro

Offshore software development from Japan to China

Taguchi, Naoki

Economics and history of technology

Fujii, Teruaki

Modern society and the role of statistics, Statistical research on changes in society

Fujitsuka, Yoshihiro

Inner city problems and gentrification studies

Honda, Tetsuo

Municipal government policies for development of region and small and medium-sized enterprises

Miyagawa, Hisao

Distribution of corporate profits through capital markets and interests and dialogue between shareholders and management

Yokemoto, Masafumi

Regional environmental policy, environmental regeneration of pollution-devastated areas, responsibility for environmental costs and damages

Enmaru, Tetsuma

Consumer behavior in retail stores, Consumption communities

Kitano, Yuji

Research on banking capital adequacy in the U.K. financial system

Tatemi, Junya

Research on urban and local industries through the concept of convention

Maki, Yoshiaki

Development process of Automobile industry

Matsunaga, Keiko

Research on regional economy and management

Ishikawa, Hiroyuki

Theoretical and empirical research on the relationship between accounting information and stock prices

Mukoyama, Atsuo

Theory and practice of social environmental information disclosure by corporations (social environmental accounting theory)

Asano, Nobuhiro

Economic impact of disclosure activities

Ogata, Kensuke

Research on accounting regulations in a global economy

Hirose, Yoshitaka

Public sector accounting on experimental and textual analysis research

Bu, Zhiqiang

Research on cost management and business performance management

Okano, Hiroshi

Research on product development management (target costing) and urban creativity management

Graduate School of Economics

Nakajima, Tetsuya

Research on economic growth theory and recession theory

Okazawa, Ryosuke

Theoretical research on macroeconomics

Kitahara, Minoru

Applied microeconomics

Nakajima, Yoshihiro

Evolutionary understanding of markets through theory, case studies, and computational experiments

Naito, Katsuyuki,

Research on economic growth and inequality

Nakamura, Hideki

Domestic inequality, effects of mechanization

Nakagawa, Mitsuru

Research on the impact of structural changes with respect to unit root analysis

Hashimoto, Fumihiko,

Psycho-Economical Analysis of Human behavior

Wakamori, Midori

History of political and economic thought, Economic ethics, and Research on Karl Polanyi and social commons.

Nakamura, Kengo

Research on Max Weber, European integration and the nation-state, citizenship and human rights

Saito, Kohei

Research on "Capital: a critique of political economy", environmental political economics

Sugita, Naho

Research on unemployment, irregular employment, poverty, and social exclusion

Shiotani, Masachika

Comparative history of statistical systems in Modern Europe

Matsumoto, Atsushi

Public pension system reform, pension taxation, relationship between social security system and tax system in Japan

Shibata, Jun

Analysis of specialization and price formation mechanisms from production to consumption

Tsuji, Kenji

Theoretical model analysis of financial contracts

Ogawa, Ryoh

Empirical research on local public finance and urban and regional policy

Uranishi, Shuji

Quantitative analysis of regulatory policy for public utilities

Shigeno, Yukiko

Interrelation between Japanese economy and household spending behavior

Takatsuka, Hajime

Issues of spatial economies

Kuroda, Yuta

Empirical research on educational planning and policy-making

Isogawa, Daiya

Empirical industrial organization, empirical research on innovation

Park, Il

Korean region studies, Japan-Korea and Japan-North Korea relations theory, research on international labor mobility

Hao, Peng

Interrelation between foreign trade and domestic industrial structure, historical research on trade systems and merchant organizations

Moriwaki, Shota

Empirical research on economic development in Asian countries

Kubo, Akihiro

International macroeconomic analysis regarding financial crises

Iwanami, Yukari

International institutions and international security with an emphasis on conflict resolution and third-party intervention

Aruga, Toshiyuki

Research on multinational corporations, international trade and globalization

Kaneko, Katsunori

Thai area studies, ASEAN Economy, Empirical analysis on social development and social welfare

Graduate School of Law

Abe, Masaki

Empirical research on the law implementation process, social theory of law

Yasutake, Takahiko

Comparative research on Edo law and Osaka law in the modern era, criminal law and criminal proceedings in the beginning of the Meiji period

Watanabe, Masaru

The immigration control administration and foreigners' human rights, basic labor rights of government officials

Abe, Kazufumi

Constitution (especially freedom of press)

Shigemoto, Tatsuya

Modern significance of traditional systems for ensuring fulfillment of administrative obligations including administrative enforcement

Takata, Michiko

Judicial Review of Administrative Discretion, Legitimacy of Judicial Review

Mishima, Satoshi

Police transparency and deliberations at mixed jury trials

Kanazawa, Mari

Research on criminal attempt, especially voluntary abandonment and withdrawal or renunciation of attempt; comparative research on societal treatment systems for ex-offender rehabilitation

Tokunaga, Hajime

Theory of Criminal Responsibility or Liability

Matsukura, Haruyo

Right of silence, privilege against self-incrimination

Moriyama, Hiroe

Contract law and family law

Sugimoto, Takahisa

Historical research on contract law systems in Japan, Germany, and France

Fujii, Narunobu

Comparative research of contract law focused on laws of civil law countries and common law countries, international conventions, and private principles of contracts

Sakaguchi, Kou

Comparative research on remedies for non-performance under Japanese and German contract law

Yoshihara, Satoshi

Research on law of property, especially condominium, joint ownership, organization

Takahashi, Eiji

Comparative research on corporate law in Japan and Germany, history of acceptance of German commercial law, comparative research on corporate

Kogaki, Noritake

Audit and disclosure system in corporate governance

Naka, Takuma

Family Business and Corporate Law, Securities Regulation

Tsuruta, Shigeru

Research on multi-party litigation in civil litigation, litigation conduct rights, and legal force of decisions

Okanari, Genta

Comparative Research on Civil Procedure

Nemoto, Itaru

Research on labor contract laws in Japan and Germany

Kawamura, Takanori

Research on the state and corporate pension fund management

Fuchikawa, Kazuhiko

Research on regulations of monopsony, and digital platform markets

Kiryama, Takanobu

Effect of the activities of international organizations on the development of international law

Kunitomo, Akihiko

Interpretation of the Act on General Rules for Application of Laws and the Hague Convention on Child Abduction, Nationality law

Nakai, Aiko

Researches on international law making, regional integration of law and relationship between international and national law.

Katsuta, Takuya

Jury system, American constitutional history and judicial system

Moriya, Kenichi

Research on history of modern law in Germany

Wang, Chen

Comparative research on civil law, general Chinese law

Hieda, Takeshi

Political economy and social policies in advanced democratic countries

Uban, Akiko

History of political thought in the Renaissance and early modern Europe

Noda, Shogo

Political system of postwar Germany, European comparative politics

Nagai, Fumio

International relations in Southeast Asia, Thai politics, comparative local governance in Southeast Asia

Tezuka, Yosuke

Government and administration analysis regarding fault and blame, research on the history of postwar administration

Harada, Hirohiko

The liberal aspects of Tax Legalism

Graduate School of Literature and Human Sciences

Department of Philosophy and History

Nakahara, Takashi

Religious studies, philosophy of religion, history of western modern philosophy

Takanashi, Tomohiro

Late modern German aesthetics, art theory in modern Japan

Tsuchiya, Takashi

Ethics, Medical Ethics, Human Rights Studies, Moral Education

Sakon, Takeshi

Analytic philosophy, contemporary metaphysics

Niki, Hiroshi

Japanese medieval history

Kishimoto, Naofumi

Japanese archeology

Saga, Ashita

Japanese modern and contemporary history

Iwashita, Toru

Japanese ancient history

Saito, Hiroko

Early modern Japanese feudal society and community, Urban society

Hirata, Shigeki

Chinese early modern history

Watanabe, Kenya

Chinese modern history

Ueno, Masayuki

History of West Asia, history of the Ottoman Empire

Kitamura, Masafumi

Social history in modern Germany

Kusabu, Hisatsugu

Byzantine history, the medieval Church

Mukai, Shinya

French medieval history, village, state structure

Department of Human Behavioral Science

Ishita, Saeko

Visual sociology, Media & cultural studies, sociology of knowledge

Ijichi, Noriko

Sociology of the life world, regional sociology, Korean region research

Kawano, Eiji

Contemporary society, sociology of social policy

Sasajima, Hideaki

Urban sociology, art sociology

Hirayama, Ryo

Family sociology, Social gerontology, Gender studies

Ikegami, Tomoko

Social Psychology, Research on social identity and social cognition

Yama, Hiroshi

Cognitive Psychology, Reasoning, Cross-cultural Study, Thinking

Kawabe, Kouichi

Physiological Psychology, Behavioral Neuroscience

Saeki, Daisuke

Psychology of Learning, Behavior Analysis

Soeda, Haruo

Comparative education, oral and written language, extracurricular activities

Kashiwagi, Atsushi

Research on the history of Japanese education, history of elementary education system policy, and elementary school education

Mori, Hisayoshi

Teaching and Teacher Education, Curriculum and Instruction

Tsujino, Kemma

Educational administration and management

Shimada, Nozomi

Educational methodology, lesson study

Oba, Shigeaki

Urban Policy, German Area Studies

Mizuuchi, Toshio

Political and social geographic research on urban and national territory development

Yamazaki, Takashi

Research on political geography in Japan and Okinawa

Soda, Ryoji

Human geography, Southeast Asian Area Studies

Kimura, Yoshinari

Geography and information science

Department of Language and Culture

Niwa, Tetsuya

Japanese Language (primarily modern grammar)

Kobayashi, Naoki

Japanese Literature of the Middle Ages, mainly narratives and folklore

Kubori, Hiroaki

Early modern Japanese literature, mainly Bunraku (Japanese traditional puppet theater)

Okuno, Kumiko

Japanese Modern Literature (primarily the Taisho Era)

Yamamoto, Mayuko

Japanese Literature in the Heian Period

Chou, Shinmin

Chinese Film History

Oiwamoto, Koji

Chinese Language (phonology)

Takahashi, Miki

Classical Chinese literature, Tang Dynasty poetry

Tanaka, Takanobu

English Literature: Victorian Literature and Culture

Richards, Ian

Postcolonial literature/culture

Koga, Tetsuo

American Literature: Modern Poetry and Critical Theory

Toyota, Junichi

English linguistics, cultural anthropology

Uchimaru, Kohei

Shakespeare, History of English education

Takai, Kinuko

20th Century German literature and culture

Hasegawa, Kenichi

18th and 19th century German culture and literature

Nobukuni, Moe

Modern German language, Linguistics

Fukushima, Yoshiyuki

French Linguistics, Linguistic Pedagogy, Interaction Theory, French Literature, Theater Theory

Shirata, Yuki

French culture and literature at the end of the 19th century

Harano, Yoko

French literature and culture of the 20th century

Ikari, Yukio

Theory of Linguistics Applied (Research on L1 and L2 Processing)

Yamazaki, Masato

Linguistics, Cognitive and Typological Studies of Asian Languages

Tanaka, Kazuhiko

Pragmatics, Semantics

Tsuji, Kayo

English language education, Theories of second-language acquisition

Department of Cultural Management

Nozue, Noriyuki

Sexual expression theory, cultural systems theory, visual representation history theory

Takashima, Yoko

Comparative Culture, Comparative Studies of Folk Narratives and Folklore

Masuda, Satoshi

Popular music studies, Copyright theory, Media Studies

Ebine, Takeshi

Culture and Representation, Film studies, German Studies

Matsuura, Tsuneo

Modern and Contemporary Chinese Literature

Tawada, Hiroshi

Cultural Anthropology, Southeast Asian Studies, Contemporary Asian Culture

Hori, Madoka

Japanese Studies from Global Perspectives, Comparative Literature and Culture, Cultural History of Interchanges, Literature of Boundaries, Japanese Thought

Odanaka, Akihiro

French theater, comparative theater

Sugawara, Mayumi

History of Modern Art in Japan, Media Art in Japan (especially prints), Cultural Property Science (Museology)

Amano, Keita

Tourism Sociology, Tourism Media Theory, New Tourism Theory, Urban Tourism Research

Numata, Rii

Clinical musicology, Study of improvised music

Nozaki, Mitsuhiko

Living space in cities, classical literature, and traditional culture on the Korean Peninsula (folk religion, Feng Shui, etc.)

Graduate School of Science

Department of Mathematics

Ishi, Hideyuki

Representation theory of Lie groups, non-commutative harmonic analysis

Kanenobu, Taizo

Knot Theory

Sunagawa, Hideaki

Nonlinear PDEs of hyperbolic and dispersive type

Hashimoto, Mitsuyasu

Commutative algebra and invariant theory

Furusawa, Masaaki

Automorphic representations and automorphic L-functions

Akiyoshi, Hirotaka

Hyperbolic geometry and 3-dimensional manifold theory

Sano, Takamichi

Special values of L-functions and Iwasawa theory

Miyachi, Hyohe

Representation theory of Hecke algebras and categorifications

Yoshida, Masamichi

Ergodic theory, theory of operator algebras associated with dynamical systems

Kanda, Ryo

Ring theory, noncommutative algebraic geometry

Ohnita, Yoshihiro

Differential geometry, harmonic map theory

Okado, Masato

Integrable systems and representation theory

Takahashi, Futoshi

Variational methods, nonlinear partial differential equations

Tamaru, Hiroshi

Differential geometry of symmetric spaces

Abe, Ken

Partial differential equations

Kato, Shin

Global analysis (geometric analysis on manifolds)

Koike, Takayuki

Complex geometry, the theory of functions of several complex variables

Nishio, Masaharu

Potential theory

Hamano, Sachiko

Complex analysis, function theory of several complex variables

Yamana, Shunsuke

Modular forms and L-functions

Department of Physics

Sakuragi, Hiroyuki

Nuclear breakup reactions, nuclear reaction theories, high-density nuclear matter

Ishihara, Hideki

Relativistic astrophysics

Itoyama, Hiroshi

Quantum field theory and string theory

Hamabata, Hiromitsu

Theoretical Space Plasma Physics

Nakao, Ken-ichi

Cosmology and theory of gravity

Arima, Masaki

Quark model and hadron-hadron interaction

Maru, Nobuhito

Particle physics beyond the standard model based on supersymmetry and extra dimensions

Moriyama, Sanefumi

String theory and gauge theory

Itoh, Yousuke

Gravitational wave physics and astronomy, general theory of relativity

Iwasaki, Masako

Elementary particle experimental physics using electron/positron collision accelerators

Ogino, Shoichi

High energy cosmic ray observation, particle beam astronomy

Kanda, Nobuyuki

Gravitational wave observation, physics and astrophysics of gravitational waves

Seiya, Yoshihiro

High energy physics, neutrino physics, muon physics

Tsunesada, Yoshiki

High energy cosmic ray physics

Nakano, Eiichi

Experimental Particle Physics and Cosmic Ray Observation

Yamamoto, Kazuhiro

High energy physics, neutrino physics, muon physics

Ishikawa, Osamu

Low Temperature Physics and Phase Transitions in Quantum Liquid

Tsubota, Makoto

Theory of Condensed-matter Physics: Quantum Fluids and Solids

Oguri, Akira

Condensed matter theory: Strongly correlated electrons in low-dimensional systems

Inouye, Shin

Laser cooling experiments and Bose-Einstein condensates of gases

Yano, Hideo

Ultra Low Temperature Physics: Defects in Quantum Condensates

Sugisaki, Mitsuru

Elucidation of structure and the energy transmission function in the photosynthesis system

Kanemoto, Katsuichi

Optical, spin, and device properties of organic semiconductors

Obara, Ken

Ultra Low Temperature Physics: Sounds in Quantum Liquid

Nishikawa, Yuunori

Condensed Matter Theory: Kondo effect and Quantum criticality in strongly correlated electron systems (quantum impurity systems)

Takeuchi, Hiromitsu

Condensed matter theory: Quantum fluids mechanics

Department of Chemistry

Teki, Yoshio

Study of magnetic properties, photo-excited states of organic spin systems, molecular devices

Sato, Kazunobu

Electronic states of molecular magnetic materials, Pulsed electron magnetic resonance

Kozaki, Masatoshi

Organic materials chemistry, Functional macromolecules with well-organized structures, Stimuli-responsive molecules

Tsuboi, Yasuyuki

Nano and micro analytical chemistry and spectroscopic measurement

Nakajima, Hiroshi

Development of functional materials based on metallo-proteins

Moriuchi, Toshiyuki

Innovation of hybrid molecular systems for novel catalysts and materials

Yatsuhashi, Tomoyuki

Interaction between high intensity ultrashort laser pulses and molecules

Nishimura, Takahiro

Development of catalytic asymmetric reactions

Yoshino, Harukazu

Transport phenomena of low dimensional conductors and the search for highly efficient thermoelectric materials

Shiomi, Daisuke

Magnetism and magnetic resonance of crystalline organic solids

Nishioka, Takanori

Design of functional complexes and inorganic materials

Sakota, Kenji

Elucidation of functional representation mechanisms in complex molecular systems

Toyota, Kazuo

Theoretical chemistry and computational chemistry concerning magnetism and excited states of molecules

Itazaki, Masumi

Creation of transformation of organic molecule by the transition metal complex

Fujiwara, Masazumi

Research on development and application of innovative molecular function measurement techniques based on quantum nanophotonics

Yuyama, Ken-ichi

Optical manipulation of molecules/nanomaterials and microscopic analysis

Morimoto, Yoshiki

Synthetic organic chemistry and natural product chemistry

Shinada, Tetsuro

Research on synthesis of advanced bioresponsive substances

Amao, Yutaka

Design and creation of functional molecules for construction of artificial photosynthetic systems

Satoh, Tetsuya

Development of organic synthesis reactions using catalysts

Shinoda, Satoshi

Development and function of molecular recognition elements

Hosokawa, Chie

Molecular function and dynamics in living cells with laser-induced perturbation

Sakaguchi, Kazuhiko

Design and control of reactive species and development of molecular conversion methods

Usuki, Yoshinosuke

Bioorganic chemistry: Structure determination, synthesis, and functional analysis of biologically active substances

Miyake, Hiroyuki

Creation and functionalization of dynamic supramolecular complexes

Miyahara, Ikuko

Three-dimensional structures and functions of proteins

Fujii, Ritsuko

Photochemistry and structure of photosynthetic functional molecules

Tachi, Yoshimitsu

Creation and development of functional molecules by elucidation of biological functions and precise control of molecular structures

Mieda, Eiko

Integration of molecular recognition elements and development of functional materials

Nishikawa, Keisuke

Synthesis of highly active natural organic compounds, development of new synthesis methods

Department of Biology

Awata, Satoshi

Behavioral ecological research on reproductive strategies in fishes

Fuchikawa, Taro

Rhythm ecology of animal societies

Fujita, Ken-ichi

Bioactive substances targeting drug resistance and their modes of action

Fujiwara, Ikuko

Understanding dynamics of cytoskeleton

Goto, Shinsuke

Physiological adaptations of animals to changing environments

Ito, Kazuo

Structure, function and regulation of enzymes and their application.

Itoh, Akira

Plant regeneration processes and coexistence mechanisms

Kohda, Masanori

Behavioral ecology and cognitive behavioral studies of vertebrates

Koi, Satoshi

Plant diversity and adaptive evolution

Komiya, Tohru

Molecular biology of animal development

Koyanagi, Mitsumasa

Diversity of structures and functions of photoreceptor proteins

Masui, Ryoji

Molecular mechanisms of DNA repair and posttranslational modification

Mizuno, Toshiro

Intercellular interaction mesoderm induction

Miyata, Makoto

Three motility mechanisms in class Mollicutes bacteria and their origins

Nakamura, Taro

Molecular mechanisms of sexual reproduction in fission yeast

Nanami, Satoshi

Sex expression and population dynamics of wild plants

Soga, Kouichi

Growth and morphogenesis of plants by environmental stimuli

Terakita, Akihisa

Diversity and structure/function relationship of proteins involved in signal transduction

Uematsu, Chiyomi

Molecular biology of flower color and shape

Wakabayashi, Kazuyuki

Structure and functions of plant cell walls

Yamada, Toshihiro

Plant EvoDevo and palaeobotany

Yamaguchi, Yoshihiro

Physiological function of bacterial suicide genes

Department of Geosciences

Masumoto, Shinji

Geoinformatics: Formulation and visualization of geological information

Mitamura, Muneki

Quaternary Geology, Urban Geology: Ground properties in urbanized area

Yamaguchi, Satoru

Geophysical study of seismically active area

Haraguchi, Tsuyoshi

Urban geological engineering, disaster prevention geological engineering

Inoue, Jun

Quaternary Science, History of interaction between humans and nature

Nemoto, Tatsuya

Sharing and utilization of geological information

Ezaki, Yoichi

Geohistory of global environments and Phylogeny of fossil Cnidaria

Masuda, Harue

Mass transfer along water cycle in the Earth's crust and hydrosphere

Shinoda, Keiji

X-ray diffraction and Mössbauer spectroscopic studies of minerals

Okudaira, Takamoto

Crustal dynamics and structural petrology

Sakuyama, Tetsuya

Magma generation and differentiation processes and geochemical evolution of the mantle

Adachi, Natsuko

Evolution of reef ecosystems and secular fluctuations in marine environments

Graduate School of Engineering

Mechanical and Physical Engineering

Nishimura, Nobuya

Improving performance of thermal driven absorption type refrigerators, study of urban air conditioning systems concerning heat islands, promotion of renewable energy utilization in Megacity, study on waste derived bio cogeneration

Iyota, Hiroyuki / Masuda, Hayato

Improvement of utilization technology of superheated steam for drying, cooking and thermal process, development of humidity sensor and standard humidity generator, color and glossy measurements using digital camera, modeling of thermal fluid phenomena

with phase change, intensification of chemical and food processes

Katoh, Kenji / Wakimoto, Tatsuro / Omori, Takeshi

Dynamics of solid and liquid wetting, stability of thin film of surfactant aqueous solutions, dissimilarity of momentum and heat transfer in turbulent flow, development of measurement methods for dynamic surface tension, development of advanced computational method for multiphase flow, development of wave power generation systems, fine particle removal mechanism using high speed air jets, resistance reduction mechanisms using surfactant-added flow

Kawai, Tadao / Imazu, Atsushi

Development of fault diagnostic methods and parameter identification techniques for machines and structure, development of living assistance robots, and special mobile robots

Kanasaki, Jun'ichi / Kawakami, Hiroshi

Development of advanced technologies controlling carrier and atomic dynamics by fully exploiting unique features of electronic excitation effects, development of antibacterial metallic materials, case study of microbially influenced corrosion

Takiyama, Takeshi

Control of internal combustion engines, development of intelligent vehicles

Takada, Yogo

Development of bridge inspection robots, aqua robots and athlete support robots, flow analysis around aqua robots

Nakatani, Hayato

Fracture behaviour of carbon fiber reinforced polymer (CFRP), impact resistance and mechanical joint strength of CFRP/metal hybrid mille-feuille structure, localized interlaminar toughening in composite materials, and damage tolerance design for advanced multi-material structures

Yamasaki, Tomohiro / Oshima, Nobuo

Nondestructive evaluation of materials using ultrasonic waves, ultrasonic monitoring of FRP molding process, vibration control of intelligent materials, development of functional fluids devices

Kaneko, Yoshihisa / Uchida, Makoto

Advanced scanning electron microscopies to analyze lattice defects, fabrication of bulk nanocrystals and related properties, fatigue of metallic materials, electroplating of nano-structured films, research linking micro and macroscopic deformation, modeling of plastic deformation, strain measurement using digital images

Tane, Masakazu

Elasticity and anelastic relaxation phenomenon, micromechanics, phase transition in structural and functional materials. Material design using crystal growth and phase transition. Nanoscale mechanics of deformation, phase transition, and composite materials

Matsuoka, Chihiro

Mathematical research in hydrodynamics, pattern formation, and chaos dynamics systems. Numerical analysis of nonlinear motion of interfaces and vortex layers

Physical Electronics & Informatics

Shigekawa, Naoteru / Liang, Jianbo / Takechi, Seiji

Research on solar cells and power devices

Research on particle detector

Shirafuji, Tatsuru / Oh, Jun-Seok / Muraji, Masafumi / Tanaka, Kenji

Materials processes using plasma, bio-medical processes using plasma, organic light emitting diodes, organic solar cells, bioelectrical and magnetic technology

Takeuchi, Hideo

Optical properties of nanoscale thin films, quantum structures (quantum wells and superlattices), and microcavities of semiconductors and exploration of new optical functionality

Fukuda, Tsuneo

Atomic structures and electronic states on metal and semiconductor surfaces with the aid of ultrahigh-vacuum scanning tunneling microscopy and atomic force microscopy. Development of organic thin film transistors on flexible plastics and their applications to flexi-

ble displays.

Nashima, Shigeki

Research on fundamental technology and application of terahertz waves

Kobayashi, Ataru

Development of novel quantum beams of atoms and ions, and their applications to surface analysis/fabrication in nano-scale combined with the advanced spectroscopic measurement technique

Kim, DaeGwi / Shibuta, Masahiro

Research on fabrication and optical properties of semiconductor nanoparticles (quantum dots)

Terai, Akira / Sugita, Ayumu

Research on nonlinear and non-equilibrium states of matter, quantum phase transitions of strongly correlated electron systems, organic conductors and solitons, quantum information, quantum chaos

Miyazaki, Daisuke

Stereoscopic display systems, optical three-dimensional measurement, optical functional devices, optical biometric measurement, advanced functional image measurement

Noguchi, Hiroshi

Nursing engineering, Internet of Things, Human behavior measurement, Sensor Network, Mechatronics, Data mining

Shikoh, Eiji

Research on energy creation and energy saving technology and device creation using spintronics

Takahashi, Hideya / Yoshimoto, Kayo

3D image input/output systems, head mounted-displays, wearable computers, next generation endoscope, biometric information sensing, medical image processing, medical support, etc.

Nakajima, Shigeyoshi

Image processing, signal processing, medical data processing, artificial intelligence, artificial life

Takubo, Tomohito / Ueno, Atsushi

Robotics, motion control, intelligent systems, reinforcement learning, artificial intelligence, intelligent robots, pattern recognition

Ata, Shingo

Research on information distribution infrastructure that handles diversified media comprehensively and combines it with networks. Specific examples include multimedia networks, high-speed communication control technology, switching hardware, and power saving networks

Hara, Shinsuke / Tsujioka, Tetsuo

Wireless/mobile body/robot communication, web databases, encoding/compression/encryption systems

Gai, Kai

Control theory, discrete-event systems, multi-agent cooperative control, robotic networks, automation technology

Abe, Kota

Research on distributed systems and system software

Ishibashi, Hayato / Onishi, Katsumi

Network operations and management, user authentication and access control, practical network security, software-defined networking, and overlay network architecture

Murakami, Harumi

Information retrieval, artificial intelligence, user interface, text mining, web intelligence, lifelog, library and information science

Yoshida, Daisuke / Nagata, Yoshikatsu

Applied research on satellite-based positioning and geospatial information systems

Applied Chemistry and Bioengineering

Tsuji, Kouichi

Development of trace elemental analysis methods and applications to characterization of materials and environmental analysis by x-ray analytical techniques such as micro-XRF (X-Ray Fluorescence), confocal 3D-XRF, XRF imaging and total reflection XRF (TXRF)

Yamada, Yusuke / Ariyoshi, Kingo

Solid catalysts with well-defined active sites, catalysts for environmental purification, electrochemistry of lithium insertion materials, electrode materials for next generation Li-ion batteries, 12 V lead-free batteries

Kobatake, Seiya / Kitagawa, Daichi

Design and solid-state property changes of photofunctional organic crystals, synthesis and physical property of photofunctional polymer materials, development of molecular functional devices

Horibe, Hideo / Minami, Tatsuya

Crystal structure of PVDF, conductivity of filler dispersed polymers, development of photoresist, chemical reactivity of active species and organic compounds, synthesis and their catalytic activities of organotransition metal complexes, synthesis of functional organic compounds

Sato, Eriko

Molecular design of monomers and polymers, development of controlled polymerization, precise control of polymer reactions, design and development of stimuli-responsive, functional adhesive, and interfacial functional materials

Kometani, Noritsugu

Reaction mechanism analysis and industrial application of subcritical and supercritical fluids, physicochemical study of biomass materials under extreme condition, environmental application of photocatalysts

Igarashi, Koichi

Advanced crystallization for organic compounds such as pharmaceutical, functional foods. Production of useful substances from biomass

Nagasaki, Takeshi / Azuma, Hideki

Development of biopolymer-based medical materials such as drug delivery systems and hemostat, development of novel anticancer agents and anti-inflammatory drugs using natural bioactive substances

Azuma, Masayuki / Ojima, Yoshihiro

Investigation of new cell functions focusing on microbes and their cell surface, and microbial cell engineering for drug discovery, energy and environmental application, and functional food area

Kitamura, Masaya / Nakanishi, Takeshi

Structure-function relationship of redox proteins, industrial application of enzymes, development of highly functional artificial antibodies

Tachibana, Akira

Development of RNAi enhancer/ inhibitors/ aptamers/ nucleic acid medicine

Tachibana, Taro

Drug discovery based on the biotechnology, development of the methods for generation of highly functional monoclonal antibodies and biopharmaceuticals

Ohmoto, Takashi

Exploration and isolation of useful enzymes from microorganisms, their application, the production of useful substances by biotransformation, and creation of useful materials

Yoshida, Tomoko

Synthesis and design of solid catalysts/photocatalysts, development of environmentally conscious chemical reactions including artificial photosynthesis, evaluation of physical properties of functional materials using synchrotron radiation spectroscopy/electron spectroscopy

Urban Engineering

Tokuono, Tetsu / Ishiyama, Hiroki / Nishino Yuichiro

Organization of urban type multi-family housing, Development of planning and design method for building renovation, Process design of place making, Wooden structure, Wooden material, Durability

Miyamoto, Katsuhiko / Kurataka, Shunsuke

Architectural design, architectural design theory, comprehensive architectural designing and landscaping under the concept of

"Do-Ken Marriage", architectural history

Kana, Koichi / Hsiao, Hongwei

Planning theory and application, urban planning, urban renewal design, landscape theory, urban planning and design history, community design, area management

Uchida, Takashi / Yoshida, Nagahiro

Applying planning theory to construction, maintenance, and operation for infrastructure facilities. Analysis of transportation-related activities on safety, environment, and health issues. Analysis of travel behaviors by using intelligent technologies.

Umemiya, Noriko / Kishimoto, Yoshihiko

Thermal comfort, environment adjustment behavior and energy saving, sky luminance distribution models, control of indoor thermal environment using material properties, deterioration prediction of building material

Kobayashi, Yuki

Design computing, Algorithmic design, Design science, Combinatorial rigidity, Architectural and urban design methods using algorithms

Nishioka, Masatoshi / Nabeshima, Minako

Urban energy-efficient technology, analysis and improvement measures for urban thermal environments, urban climates

Sohma, Akio / Endo, Toru

Conservation and utilization of estuarine and coastal ecosystem, Numerical ecosystem modeling, Process elucidation and dynamics prediction of aquatic ecosystem

Kanjo, Yoshinori / Mizutani, Satoshi

Evaluation of water environments, water quality control technology, recycled energy collection from solid waste and wastewater, hazard assessment when recycling, evaluation of trace environmental pollutants

Taniguchi, Tetsuro

Wind responses of high-rise buildings, characteristics of wind pressure on large span structures, wind-resistant design, determination of wind loads on low-rise buildings, evaluation of wind resistance capacity of building components

Furukawa, Sachi

Seismic responses of steel structure, base-isolated building, seismic functionality of building inside, evaluation of seismic capacity of steel column base and pile top connection

Taniguchi, Yoshiya / Suzuki, Yusuke

Structural design for architecture, Mechanical characteristics/response control for shell/spatial structures, Reinforced concrete structures with self-centering system, High performance timber structures

Kitoh, Hiroaki / Yamaguchi, Takashi / Tsunokake, Hisao / Hayashi, Gen

Seismic resistance/isolation/control technology for structures, steel and concrete composite structures, material properties of concrete, durability evaluation and repair technology, development of low environmental structural materials and components

Load carrying capacity and design methods of steel bridges, repair and reinforcement of existing steel bridges, seismic design, bridge vibrations, maintenance systems, buckling strength and design methods, load carrying capacity and design methods of joints

Oshima, Akihiko / Yamada, Suguru

Soil strength and deformability, consolidation, compaction, stability problems, centrifugal model test, ground investigation, ground improvement, liquefaction, groundwater and ground environment, ground information database

Shigematsu, Takaaki / Nakajo, Sota

Interaction of structures and fluids, Large-scale hydraulic experiments, Numerical simulation on wave and flow, Meteorological and oceanographic phenomena (Tsunami, Storm surge), Complex urban disasters across wide area, Impact assessment of coastal disaster, Climate change impact assessment and adaptation measures, Restoration of water environment in ports and harbors, Prediction of future coastal environment, Wave power generation systems

Raghavan, Venkatesh / Yonezawa, Go

Geographic Information Systems, Remote Sensing and Allied Spatial Information Technologies and their Applications in Sustainable Urban Development

Masuda, Junji

Technology to reduce environmental burdens including trace chemicals, technology to control emissions of pollutants at sources

Graduate School of Medicine

Basic Medical Sciences

<Molecular and Biomedicine>

Tomita, Shuhei

Circulatory and metabolism studies, hypoxic response and diseases in the organisms, vascular biology and disease, tissue remodeling

Tokunaga, Fuminori

Molecular and pathobiological study on inflammatory and immune signaling pathways

Otani, Naoko

The effects of obesity-associated gut microbial metabolites on tumor microenvironment. The role of cellular senescence and SASP in vivo.

Ikeda, Kazuo

Research related to organ fibrosis especially liver cirrhosis.

Mizuseki, Kenji

Neurophysiology, functional analysis of sleep, information processing in the hippocampus, memory mechanism

Hirotsune, Shinji

Central nervous system construction mechanisms, morphogenesis and cell polarity

Nakajima, Yuji

Developmental biology of the circulatory system

Morita, Takashi

Research support of experimental animal genome editing through CRISPR method

Matsubara, Tsutomu

Molecular biological analysis of human liver disease and the liver aging process with constructing the animal model.

Yoshida, Kayo

Research on DNA damage in mammals and repair mechanisms through homologous recombination

Matsunaga, Shinji

Cancer microenvironment, tumor vessels, pharmacokinetics

Oikawa, Daisuke

Regulatory mechanism of inflammatory immune response by novel factors, and its therapeutic application

Kitanishi, Takuma

Neurophysiology, information processing in the hippocampus, function changes in synapses, memory mechanisms

Chiba, Shuhei

Analysis of atypical microtubules in nerves

Kin, Meigetsu

Understanding control mechanisms of intracellular material transport

Kai, Masatake

Molecular mechanisms of collective cell migration in development

Shiota, Masayuki

Regulation of proteostasis capacity and cancer progression

Yamaguchi, Takehiro

Dormancy and latency of Mycobacterium tuberculosis. Molecular Cardiology.

Terawaki, Seigo

Elucidation of pathogenesis of inflammatory diseases and underlying defects in immunoregulation mechanisms mediated by autophagy

Yamagishi, Ryota

Control of tumor microenvironment via post-transcriptional regulation. Cellular Senescence and mRNA metabolism.

Kamiya, Tomonori

Homeostasis maintenance by symbiotic bacterial metabolites

Urushima, Hayato

Investigation of the interaction among hepatic stellate cell, hepatocyte, and sinusoidal endothelial cells.

Yuasa, Hideto

Investigation of intercellular network among hepatic component cells.

Matsumoto, Hideyuki

Neurophysiology, motivation and learning, analysis of neural pathways of reward system, neural foundations of adaptive behavior

Miyawaki, Hiroyuki

Neurophysiology, functional analysis of sleep, mechanisms of memory formation and stabilization

Matsumoto, Sakiko

Understanding control mechanisms of intraneural material transport

Tojima, Sayaka

Tail morphogenetic mechanisms in amniotes

Takasugi, Masaki

The role of extracellular matrix in age-related diseases. Mechanisms of cellular senescence-associated secretory phenotype

Tei, I

Regulation of intercellular and intermolecular network in tumor microenvironment.

Shimizu, Kohei

Pathophysiological role of post-translational modifications in inflammatory diseases and human malignancies

Tokutome, Kentaro

Hypoxic stress, mental retardation

<Urban Medicine>**Wanibuchi, Hideki**

Environmental chemistry carcinogenesis, chemoprevention, pathology of bladder cancer, molecular pathology

Hayashi, Tomoshige

- Epidemiology of type 2 diabetes, visceral fat, chronic kidney disease, and hemodialysis
- Epidemiology: the Japanese-American Community Diabetes Study

Fukushima, Wakaba

Epidemiology of infectious diseases, intractable(rare) diseases, liver diseases

Yoshikawa, Takahiro

Medical science and neuroscience of lifestyles of humans (unconsciousness, stress, appetite, crosstalk between diet and exercise)

Okazaki, Kazunobu

Research on mechanisms of improvement in physical capacity and physiological function with exercise training and environmental adaptation

Ishikawa, Takaki

Pathophysiology of sudden death, development of forensic toxicology forensic serology examination methods, forensic imaging diagnostics

Kaneko, Yukihiro

1. Molecular epidemiology of drug-resistant bacteria and drug resistance mechanisms
2. Understanding pathology of refractory mycosis and developing new diagnosis method
3. Development of tools for helping drug-resistant bacteria infection control

Kaneko, Akira

Global Malaria Eradication: Intervention studies on islands in Vanuatu, Southwest Pacific and in the Lake Victoria region, Kenya with chemotherapeutic, vector control, and community-directed approaches; Human, parasites, and vector polymorphism related to the efficacies of the tools; Molecular and sero- epidemiology

Wei, Min

Environmental chemical carcinogenesis, cancer risk assessment, molecular pathology of bladder cancer

Suzuki, Shugo

Environmental chemical carcinogenesis, cancer risk assessment, pathology of bladder and prostate cancer

Sato, Kyoko

- Epidemiology of type 2 diabetes, visceral fat, chronic kidney disease, and hemodialysis
- Epidemiology: the Japanese-American Community Diabetes Study

Ohfuji, Satoko

Epidemiology of liver diseases, intractable diseases, and infectious diseases

Yokoyama, Hisayo

Glucose and energy metabolism during exercise, clinical research on the effect of exercise on health promotion among the elderly

Ayata, Minoru

Neuropathogenicity of measles virus and onset mechanism of subacute sclerosing panencephalitis

Fukui, Mitsuru

Mathematical statistics, applications to the medical field, research on measurement scales for health and disease

Kakehashi, Anna

Chemical carcinogenesis, molecular pathology, cancer risk assessment, cancer chemoprevention, mechanisms of liver carcinogenesis, NASH, translational research

Uehara, Shinichiro

Epidemiology of lifestyle-related diseases

Ishii, Satoshi

Medical science and neuroscience related to the formation of lifestyles in humans

Imai, Daiki

Effect of environmental stress on physiological function and athletic performance

Niki, Mamiko

Analysis of dormancy phenomena and development of new anti-tuberculosis vaccine

Kido, Yasutoshi

Neglected Tropical Disease/ Metabolic crosstalk between the host and pathogens, Early-phase drug development targeting unique metabolic remodeling of pathogens (NTDs, malaria), molecular epidemiology

Kase, Tetsuo

Prevention and risk assessment for infectious diseases

Tsubouchi, Taishi

Hunting of anti-MDR and anti-virus compounds from marine microbes and analysis of its functional mechanism

Suzuki, Yuta

Biomechanical analysis of fundamental human movements

Ikedo, Tomoya

Pathophysiology of sudden death, postmortem change in serological examination, pathophysiology of edema and development of evaluation methods

Oinuma, Ken-ichi

Analysis of drug-resistance mechanisms of pathogenic bacteria and intracellular information transmission mechanisms (quorum sensing)

Nishiuchi, Yukiko

1. Elucidation of nontuberculous mycobacterial biofilm-formation mechanism 2. Research of environmental distribution dynamics of nontuberculous mycobacteria. 3. Research of mycobacterial pathogenesis; interaction of mycobacteria and erythrocytes.

Shibata, Mikiko

Epidemiology of kidney disease and lifestyle-related diseases

Chim Wai Chan

Sustainable malaria elimination on islands in Vanuatu: human movement, resurgence and health transition

Nakagama, Yu

Global Burden and socio-economic impact of hereditary/congenital conditions and noncommunicable diseases, Parasitic infection (Malaria, NTDs) during developmental stages in childhood: potential consequences and chances of intervention, Analogy between metabolic remodeling of the failing heart and infectious pathogens

Kagaya, Wataru

Understanding malaria transmission dynamics through molecular epidemiology and intervention study toward malaria elimination

Tani, Naoto

Pathophysiology of sudden death, forensic molecular pathophysiology, forensic social medicine

Watanabe, Miho

Pathophysiology of nerve cells
Pathophysiological study of the blood-cerebrospinal fluid barrier

Hirokawa, Tatsuya

Pathophysiology of sudden death, forensic molecular pathophysiology, forensic toxicology

<Geriatric Medicine>**Tomiyama, Takami**

Translational Research on prevention, diagnosis, and treatment of neurodegenerative disease

Shoji, Tetsuo

Lipoprotein metabolism, diabetes, arteriosclerosis in kidney failure, cognitive function, sarcopenia

Yashiro, Masakazu

Translational research for intractable Cancer

Sato, Shintaro

Mucosal immunology, innate immunology, and Virology

Kojima, Hirotada

Understanding information transduction mechanisms for controlling the fate of cells

Uematsu, Satoshi

Innate immunity, mucosal immunity and metagenome analysis

Fujimoto, Kosuke

Innate immunity, mucosal immunity and metagenome analysis

Kunimoto, Hiroyuki

Control of gene expression through intracellular signaling

Uematsu, Miho

neurology, Imaging and metagenome analysis

Nagata, Yuuki

Endocrine, metabolic and Mineral and Bone Disorder/vascular calcification

Umeda, Tomohiro

Translational research on prevention, diagnosis, and treatment of neurodegenerative dementia

Clinical Medical Sciences**<Organ Pathology and Internal Medicine>****Yoshiyama, Minoru**

Cardiovascular disease, clinical cardiology, translational research on fundamentals and clinical applications in heart research

Emoto, Masanori

Research on pathophysiology and treatment in diabetes, endocrinological and kidney diseases

Kawaguchi, Tomoya

Pulmonology, oncology, basic and clinical research on lung cancer

Kawada, Norifumi

Hepatology, analysis of gene expression in hepatopathology, micro-environment of hepato-biliary-pancreatic cancer

Fujiwara, Yasuhiro

Pathology and treatment of digestive diseases

Hino, Masayuki

1.Treatment of hematologic malignancy 2.Hematopoietic stem cell transplantation

Inoue, Koki

Relationship between stress and mental disorders (industrial psychiatry), eating disorders and pathological biochemistry

Ito, Yoshiaki

Research on a wide variety of neurological diseases, especially neurodegenerative diseases and cerebrovascular diseases

Izumiya, Yasuhiro

Identification of novel therapeutic target for heart failure

Negoro, Nobuo

Pathophysiology and treatment of connective tissue disease

Imanishi, Yasuo

Osteoporosis, rickets, osteomalacia, hyperparathyroidism, chronic kidney disease-metabolic bone disorder (CKD-MBD)

Kanazawa, Hiroshi

Pulmonology, allergology, diagnosis and treatment of respiratory diseases

Tamori, Akihiro

Hepatology, analysis and clinical application of human gene polymorphisms in the hepato-biliary-pancreatic field, blood transfusion science

Enomoto, Masaru

Pathology and treatment of viral hepatitis

Watanabe, Toshio

Understanding pathophysiology of gastrointestinal inflammation and malignant diseases

Nakamae, Hirohisa

①HLA-haploidentical hematopoietic cell transplantation. ②Pathophysiological analysis and prevention of complications on hematopoietic stem cell transplantation. ③Pathophysiological analysis and treatment of chronic myeloid leukemia

Iwasaki, Shinichi

Understanding pathology of valvular heart disease, atherosclerosis, hypertension, and heart failure using ultrasound

Abe, Takato

Mechanisms of neuronal cell damage in cerebral ischemia

Ehara, Shoichi

Intravascular ultrasound, multislice CT, pathological analysis of acute coronary syndrome with MRI

Iwata, Shinichi

Understanding pathology of valvular disease, atherosclerosis, hypertension, and heart failure using ultrasound

Mori, Katsuhito

Nephrology, metabolism, diabetology

Morioka, Tomoaki

Basic and clinical research on obesity, diabetes, atherosclerosis and sarcopenia

Yamada, Shinsuke

Sleep disorders and nocturnal blood pressure in rheumatoid arthritis

Kurajoh, Masafumi

Endocrine and metabolic disorders (especially clinical research on neuroendocrinology)

Tsuda, Akihiro

Renal hemodynamics, Diabetic nephropathy, hyperuricemia

Nakatani, Shinya

Etiology and pathophysiology of chronic kidney disease

Ochi, Akinobu

Investigation of progression factors of diabetes, diabetic kidney disease and chronic kidney disease

Asai, Kazuhisa

Pulmonology, understanding and controlling inflammatory mechanisms in chronic respiratory inflammatory disease, respiratory endoscopy

Watanabe, Tetsuya

Pulmonology, understanding and controlling inflammatory mechanisms in severe asthma, respiratory endoscopy

Uchida, Sawako

Hepatology, diagnosis and treatment of hepatobiliary pancreatic

cancer

Nagami, Yasuaki

Superficial esophageal cancer, Endoscopic resection of early stage gastrointestinal cancer, endoscopic treatment, endoscopic diagnosis, esophagostenosis

Hosomi, Shuhei

Pathology and treatment of inflammatory bowel disease

Tanaka, Fumio

Pathophysiology and treatment for functional gastrointestinal disorders, eosinophilic gastrointestinal disorders, and GERD

Koh, Hideo

Molecular epidemiology of blood disorders and hematopoietic stem cell transplantation, development of diagnostic and treatment methods for opportunistic infections

Nishimoto, Mitsutaka

①Analysis of pathophysiology in patients with acute and chronic graft-versus-host disease after allogeneic stem cell transplantation
②Development of novel immune cellular therapy for hematological malignancies

Nakashima, Yasuhiro

Research and clinical applications of immune surveillance for hematological malignancies

Katagami, Motohisa

Gaming disorder, internet addiction disorder

Miyawaki, Dai

Child Adolescent Psychiatry, autism spectrum disorder, childhood anxiety disorders

Yamauchi, Tsuneo

Eating disorders, industrial psychiatry

Deguchi, Yasuhiko

Industrial psychiatry, depression, bipolar disorder

Uchida, Kentaro

Neuroimaging, Geriatric psychiatry

Harada, Tomoko

Eating disorders

Nakao, Yoshitaka

Palliative care

Mitsuoka, Shigeki

QOL /Pulmonology, oncology, fundamental and clinical research on lung cancer

Tsutada, Tsuyoshi

Neurophysiological research

Takeda, Akitoshi

High-order brain function impairment in neurological disorders and neurodegenerative diseases

Hagihara, Atsushi

Hepatobiliary and Pancreatic Oncology, basic and clinical research on cancer

Kaneda, Hiroyasu

Chemotherapy of Lung cancer, clinical trials and early development of novel anticancer drugs (international trials, etc.), molecular targeted therapy for cancer, Immuno-Oncology

Ito, Asahiro

Pathological analysis of Structural Heart Disease, Valvular Heart Disease, Heart Failure

Kamimori, Kimio

Single facility retrospective research of cardiac event rate in patients with coronary artery disease in Osaka city university hospital

Yamazaki Takanori

Angioscopic analysis of atherosclerotic disease

Goto, Ayako

Child Adolescent Psychiatry, autism spectrum disorder, childhood anxiety disorders

Otani, Koji

Pathophysiology and treatment of gastrointestinal inflammation, gastrointestinal cancer, and obscure gastrointestinal bleeding

Fukunaga, Shusei

endoscopic management of early colorectal neoplasms, antithrombotic agents and endoscopic treatment, endoscopic treatment for elderly patients

Kawamura, Etsuji

cholangiocarcinoma, nuclear medicine

Matsubara, Misako

Significance of hepatic stellate cell transformation in liver fibrosis and cancer development.

Le Thuy Thi Thanh

Role of Cytoglobin in Fibrosis and Carcinogenesis of Liver and Pancreas: From production, mechanism and therapeutic application

<Diagnosis of Pathologic Conditions/Medical Management of Biofunctions>

Miki, Yukio

Diagnostic neuroradiology, MRI, diagnostic radiology

Shibuya, Keiko

Radiation Oncology

Ohsawa, Masahiko

Pathology of malignant lymphoma

Mori, Takashi

Exploration of new pharmacological actions of general anesthetics and local anesthetics. Scientific clarifications of the mechanisms of general anesthesia and nociception. Development of better and new strategies for general anesthesia and analgesia.

Mizobata, Yasumitsu

Emergency medical treatment systems, trauma surgery

Shimada, Hiroyuki

Diagnostic imaging of dementia, diagnosis and treatment of dementia, familial Alzheimer's disease

Nakahara, Hirokazu

Molecular mechanism of cancer invasion, Oncolytic viral therapy for oral cancer, Effectiveness of perioperative oral care

Shimono, Taro

General diagnostic radiology

Hosono, Masako

Radiation Oncology

Kawabe, Joji

Clinical nuclear medicine (nuclear medicine therapeutic, nuclear medicine diagnostics), cancer relief treatment using clinical Chinese medicine

Tsuchiya, Masahiko

Regulation of reactive oxygen pathology through anesthetics, local anesthesia

Yamada, Tokuhiko

Acute pulmonary disease, postoperative management, anesthesia in minimally invasive cardiac surgery, ischemia-reperfusion disorder

Yamamoto, Hiromasa

Pelvic trauma, pathology and treatment of spine and spinal cord injury, disaster medicine

Nishimura, Tetsuro

Trauma surgery, resuscitation, medical device development

Fukumoto, Shinnya

Epidemiology of lifestyle-related diseases, clinical research on dietary therapy, development of in-home support system for dietary therapy, understanding therapeutic angiogenesis mechanisms and development of amplifier

Yamamoto, Akira

Abdominal imaging diagnosis, CT, MRI, Interventional Radiology

Jogo, Atsushi

Diagnostic imaging (CT, MRI), Interventional radiology

Miki, Yoshitaka

Radiation Oncology

Iguchi, Haruo

Radiation Oncology

Kageyama, Ken

Interventional Radiology, Diagnostic imaging (CT/MRI)

Ueki, Ai

Diagnostic imaging (CT, MRI)

Takeuchi, Makiko

Diagnostic imaging (CT, MRI)

Higashiyama, Shigeaki

Clinical nuclear medicine (dementia nuclear medicine, tumor nuclear medicine)

Matsuura, Tadashi

Research on effect of anesthetics on ion channels using electrophysiological techniques, effect mechanisms of lipid emulsion treatment, changes of the sensitivity of hypertrophic myocardium to local anesthetics

Yabe, Mitsuhide

Pain management medicine, measures for postoperative nausea and vomiting, palliative care

Tanaka, Katsuaki

Pharmacokinetics of intravenous anesthetics, anesthesia management and outcome analysis, undergraduate medical education

Suehiro, Kouichi

Perioperative hemodynamic monitoring, perioperative goal-directed therapy, clinical application of inhaled hydrogen

Funai, Yusuke

Analgesic mechanism of anesthetics, synaptic transmission in spinal cord posterior horn

Kimura, Tatsuo

Pulmonology, Oncology, Tumor epidemiology, Fundamental and clinical research on lung cancer

Fujii, Hideki

Hepatology, Pathology and treatment of metabolic liver disease

Nakano, Akemi

Research on quality control and epidemiological studies for gynecologic cancer screening examinees

Sogawa, Etsuji

Interventional Radiology (Vascular Intervention)

Wada, Naoki

Pathology of malignant lymphoma

Kuwae, Yuko

Pathology of soft tissue tumor

Yamasaki, Hiroyuki

Management of perioperative body temperature, mechanisms of chronic pain

Hori, Kotaro

Role of CRAC channels in anesthesia

Nadatani, Yuji

Understanding pathophysiology of gastrointestinal inflammation and malignant disease. Understanding the relationship between gastrointestinal disease and gut microbiome.

Uchida, Kenichiro

Trauma Surgery, Cardiovascular Surgery, Acute Surgery

<Organ and Pathological Internal Medicine>**Koyama, Masayasu**

Analysis of anatomical support mechanism of pelvic floor organs, reproductive immunology

Sumi, Toshiyuki

Cancer cachexia, gynecologic malignant tumors, female dysuria

Hamazaki, Takashi

Understanding pathology of pediatric congenital metabolic disease using iPSC cells

Tachibana, Daisuke

Physiology and pathological significance of fetal circulation

Yasui, Tomoyo

Gynecological malignant tumors and cancer cachexia, female dysuria

Tokimasa, Sadao

High-dose chemotherapy for pediatric refractory malignant tumors, bone marrow nondestructive hematopoietic cell transplantation for congenital metabolic disorders, leukemic stem cells in pediatric acute lymphocytic leukemia

Takemoto, Yoshiaki

Biocompatibility of hemodialysis membrane, artificial organ, kidney failure disease

Uchida, Junji

Kidney transplantation, drug-induced kidney disorders, ABO-incompatible kidney transplantation, frailty and sarcopenia in kidney transplant recipients

Misugi, Takuya

Age phenomena of mammalian eggs, endocrine function of granulosa cells. Pathological elucidation of perinatal complication

Hamuro, Akihiro

Investigation of effectiveness of salpingostomy for hydrosalpinx cases and biomarkers of predictive and prognostic factors

Tahara, Mie

Mechanism of the onset and the process of labor

Ichimura, Tomoyuki

Elucidation of natural history about uterine mesenchymal tumors, and their diagnosis and treatment. Elucidation of gynecological tumors based on pathological findings.

Hashiguchi, Yasunori

Gynecological malignant tumors

Fukuda, Takeshi

Understanding pathology of cancer cachexia and improvement methods, gynecologic malignant tumors

Kasai, Mari

Gynecological malignant tumors, uterine fibroids, endometriosis

Yamauchi, Makoto

Gynecologic malignant tumors

Kawamura, Tomoyuki

Pediatric diabetes, research on causes and pathology of kidney disease

Seto, Toshiyuki

Clinical research on pediatric neural and metabolic disorders, viral research on infections of the central nervous system, clinical genetics, study of disabilities

Tokuhara, Daisuke

Understanding causes and pathology of gastrointestinal disease and development of prevention and treatment drugs, mucosal immunology

Sakuma, Satoru

Neuropathological and neurophysiological research for understanding pathology of refractory epilepsy

Ohnishi, Satoshi

Understanding causes and pathology of neonatal chronic pulmonary disease and development of prevention and treatment drugs, multi-institutional joint research: "Left atrium and patent ductus arteriosus evaluation" subproject on relationship between patent ductus arteriosus and chronic pulmonary disease

Nishigaki, Satsuki

Understanding causes and pathology of pediatrics and criminology

Kuratsukuri, Katsuyuki

Immunotherapy and gene therapy for prostate cancer, chemotherapy for urothelial carcinoma, erectile dysfunction and male infertility

Tamada, Satoshi

Fundamental research on kidney disease, treatment for urinary tract malignant tumors

Naganuma, Toshihide

Blood purification, Kidney transplantation, Therapeutic apheresis, Arteriosclerosis, Overseas support activity for developing countries

Iguchi, Taro

Prostate cancer gene polymorphism, understanding onset mechanisms of urinary tract stones, role of oxidative stress in urinary organs

Yamasaki Takeshi

Laparoscopic Surgery

Kasuga, Saki

Clinical research and pathology on pediatric allergy

Iwai, Tomoaki

Clinical research in the field of kidney transplantation

Kato, Minoru

Immunotherapy for the patients with metastatic urothelial carcinoma, Basic research on combination immunotherapy, Basic research on prostate cancer

<Surgical Medicine>**Ohira, Masaichi**

Surgical treatment for esophageal cancer and stomach cancer, surgical metabolism and nutrition, surgical treatment for portal hypertension

Shibata, Toshihiko

Research toward minimally invasive valvular heart disease surgery

Muguruma, Kazuya

Surgical treatment, chemotherapy, and multidisciplinary treatment for stomach cancer

Kubo, Shoji

Pathology and surgical treatment of hepato-biliary-pancreatic disease, liver transplantation, surgical infections

Nishiyama, Noritoshi

Pathology and surgical treatment of respiratory and mediastinal disease

Nakaoka, Tatsuo

long-term prognosis of postoperative patients in pediatric surgery, treatment for meconium obstruction in low birth weight infant

Toyokawa, Takahiro

Surgical treatment and multidisciplinary treatment for stomach cancer and esophageal cancer

Nagahara, Hisashi

Individualized treatment in chemotherapy for colorectal cancer, laparoscopic surgery for colorectal cancer, surgical treatment for inflammatory bowel disease

Tanaka, Hiroaki

Surgical treatment and development of therapy based on micro-environment analysis for stomach cancer

Lee, Shigeru

Surgical treatment and multidisciplinary treatment of esophageal cancer

Amano, Ryousuke

Establishment of multidisciplinary treatment for complete cure of local advanced pancreatic cancer, nutritional therapy for hepato-biliary-pancreatic malignant disease

Kimura, Kenjiro

Establishment of personalized medicine for pancreatic cancer using PDX (patient-derived xenograft) models. Treatment strategy targeting cancer-associated fibroblasts (CAFs) for pancreatic and biliary tract cancer.

Takemura, Shigekazu

Surgical treatment of liver, pancreatic, and bile duct cancer, chemotherapy for bile duct cancer, inhibition of liver cirrhosis progression, early diagnosis of pancreatic cancer, live-donor liver transplant

Tanaka, Shogo

Surgical treatment for hepato-biliary-pancreatic malignant tumors, laparoscopic surgery, liver transplant, prevention of postoperative complications

Takashima, Tsutomu

Pharmacotherapy for breast cancer

Noda, Satoru

Multidisciplinary treatment for breast cancer and endocrine tumors

Kashiwagi, Shinichiro

Clinical validation of microenvironmental control related to malignant trait acquisition of breast cancer

Izumi, Nobuhiro

Lung malignant tumors, mediastinal tumors, surgical treatment of emphysematous lung disease

Tsukioka, Takuma

Airway reconstruction for pulmonary malignant tumor, Multimodality therapy for lung cancer

Fujii, Hiromichi

Surgical treatment of peripheral arterial disease

Takahashi, Yosuke

Surgical treatment for atrioventricular valve regurgitation in atrial fibrillation patients

Morisaki, Kosei

Surgical treatment for aortic valve regurgitation and aortic root disease

Shibutani, Masatsune

Microenvironment of colorectal cancer, biomarker of the chemotherapeutic outcomes for colorectal cancer

Tamura, Tatsuro

Surgical treatment and nutrition therapy for stomach cancer and esophageal cancer

<Sensory and Motor Systems>**Tsuruta, Daisuke**

Elucidate pathomechanism of autoimmune disorders, hair regeneration, Elucidate pathomechanism of psoriasis.

Honda, Shigeru

Vitreoretinal diseases, retinopathy of prematurity, neuro-ophthalmology

Motomura, Hisashi

Reconstructive surgery, microsurgery, multidisciplinary treatment for malignant skin tumors, malignant melanoma, multidisciplinary treatment for refractory skin ulcers, eye socket reconstruction

Goto, Takeo

Development of cranial base surgery methods, research on basi-cranial micro dissection, development of nasal endoscopic surgery methods

Ohata, Kenji

Cranial base surgery, brain tumor surgery, spine and spinal cord surgery

Nakamura, Hiroaki

Spinal surgery, Minimally invasive spinal surgery, Scoliosis, Osteoporosis spinal disorders

Hashimoto, Takashi

Clinical study of 8 groups of rare and intractable genetic skin diseases, the study of identification of novel autoantigen and development of comprehensive diagnostic method for autoimmune bullous skin diseases, the study of immunoglobulin class-switch mechanism in autoimmune bullous skin diseases, the study of development of automatic diagnostic method for immunofluorescence tests by artificial intelligence (deep learning) in autoimmune bullous skin diseases, preparation of registry for various types of autoimmune bullous skin diseases, the study of analysis of autoantigens for anti-laminin gamma-1 pemphigoid using laminin gamma-1 knockout HaCaT cells by CRISPR-Cas9 strategy.

Nakajima, Koichi

Study of the regulatory mechanisms of STAT activation-inactivation cycle and development of STAT inhibitors

Sakamoto, Hiroaki

Research and analysis of pathologies of childhood-onset of neurosurgical diseases

Sugawara, Kouji

Research on the pathogenesis of alopecia areata and psoriasis, Research on the effects of endocannabinoid on skin appendages and mucosal tissue, Investigating the biology of mast cells, Research on the pathomechanism of itch

Ozawa, Toshiyuki

Research on treatment of infections through photodynamic therapy (PDT)

Kohno, Takeya

Ocular trauma, eye circulation, macular disease, age-related macular degeneration

Sunami, Kishiko

Inner ear disorders (especially equilibrium function), clinical research on middle ear disease

Sakamoto, Hirokazu

Pediatric functional hearing loss, Auditory processing disorder, clinical research of allergic disease

Hatano Takaharu

Multidisciplinary treatment for trauma and burns, malignant melanoma

Takami, Toshihiro

Spinal cord tumor, spinal functional recovery, spine biomechanics

Terai, Hidetomi

Spine surgery, Regenerative medicine of bone, Scoliosis, Development of medical devices

Hoshi, Manabu

Bone and soft tissue tumor, Bone metastasis, Navigation surgery

Yamamoto, Manabu

Age-related macular degeneration, retinal laser therapy vitreoretinal surgery

Tanoue, Mizuki

vitreoretinal surgery, ocular oncology, ocular and orbital inflammation

Hirayama, Kumiko

Vitreoretinal diseases, laser therapy

Takano, Sakurako

Clinical research on sensorineural hearing loss and tinnitus and hearing physiology

Morisako, Hiroki

Research on vein dissection of posterior cranial fossa

Uda, Takehiro

Surgical treatment of epilepsy and glioma. Research on clinical neurophysiology using electroencephalography and magnetoencephalography

Naitou, Kentarou

Diagnostic imaging and surgical treatment of spine and spinal cord diseases

Minoda, Yukihide

Knee surgery, Hip surgery, Artificial joints, Biomaterials, Biomechanics, Computer assisted surgery

Hashimoto, Yusuke

Sports medicine, Cartilage, Ligament reconstruction, Biomechanics, Meniscus regeneration, Ligament reconstruction

Ohta, Youichi

Cartilage metabolism (prevention of joint cartilage degeneration), Bone metabolism, Bone reconstruction using bone morphogenetic protein, Knee and hip surgery

Okada, Mitsuhiro

Analysis of blood flow in neurotrophic blood vessels in peripheral neuropathy, Development of tissue flaps and anatomical search, Hand surgery, Peripheral nerve surgery, Microsurgery

Hoshino, Masatoshi

Minimally invasive spine surgery, Osteoporosis, Clinical epidemiology

Ikebuchi, Mitsuhiro

Navigatic system in joint surgery, Medical-engineering collaboration in orthopaedic surgery and rehabilitation, Gait analysis with wearable accelerometers, Machine Learning for Rehabilitation

Suzuki, Akinobu

Spine surgery, Minimally invasive spinal surgery, Spine and spinal cord tumors, Bone reconstruction, Nerve reconstruction, Analysis of mechanisms of ligamentum flavum hypertrophy

Imanishi, Hisayoshi

Research on the role of epithelial to mesenchymal transition (EMT) in primary cicatricial alopecias and skin cancers, Research on the

pathological mechanism of nail psoriasis.

Nakai, Koza

The role of free radical/reactive oxygen species on skin patho-/physiology, Pathological elucidation and novel treatment of Atopic dermatitis and psoriasis, skin aging and cancer.

Arima, Hironori

Anatomical assessment of tumor vascular structure

Ichinose, Tsutomu

Development and education of vascular surgery based on anatomical and pathological findings

Shigihara, Yoshihito

Research on clinical neurophysiology using electroencephalography and magnetoencephalography

Sugama, Ryo

Hip surgery, Knee surgery, Artificial joints, Computer assisted surgery, Implant development

Nakajyo, Kosuke

Surgical treatment of gliomas

Oishi, Masahiro

Clinical Research of head and neck cancer

<Medical Control>**Kusakabe, Tetsuya**

Pharmaceutical Administration, Regulatory Science, Medical Innovation, Research Ethics

Shuto, Taichi

Medical education, General practice

Takeya, Hiroshi

Research on diagnosis and treatment of bacterial and fungal infectious diseases, research on infection control

Shintani, Ayumi

Development of effective biological methodology and data management techniques in clinical research

Tateishi, Chiharu

Regulatory Science, Medical Innovation, Research Ethics

Takemoto, Yasuhiko

Medical education, General practice, Translational research in medical education, Cardiovascular function evaluation science, Cardiology, Molecular biology and clinical pharmacology

Yamaguchi, Etsuko

Quality and Safety Management in Healthcare, Quality Improvement Science, Quality Management, Arts and Design in Quality and Safety, Social Psychology and Group Dynamics, Pediatric Hematology/Oncology

Sanada, Shoji

Establishment of effective planning strategy for clinical research and development and its facilitating methods.

Shiba, Masatsugu

Empirical research and design in smart life science

Yoshida, Hisako

Application of hierarchical Bayes models for clinical research

Tochino, Yoshihiro

Medical education, General practice, Respiratory medicine, Sleep medicine

Kamata, Noriko

Medical education, General practice, Gastroenterology, Inflammatory bowel disease

Toyoda, Hiromitsu

Medical education, General practice, Orthopedic surgery, Spine and Spinal cord surgery, Osteoporosis, Bone biomaterial

Yamada, Kouichi

Epidemiological research of resistant bacteria, research on appropriate use of antibiotics

Fujii, Hisako

Research on clinical research methodology

Takahashi, Kanae

Research on statistical design and analysis of small-scale clinical

trials

Namikawa, Hiroki

Medical education, General practice, Infectious disease medicine, Clinical epidemiology

Kabata, Daishirou

Development of statistical methods for observational studies

Imai, Takumi

Causal inference with longitudinally observed data

Graduate School of Nursing

Kumagai, Tamaki

Research on nursing education, research on relationships between patient families and medical practitioners, research on work environments

Moriki, Yuko

Research on mutual relationship between patients', their families' characteristics, nurses' competencies, and system, research on ethical behavior of nurse

Sannomiya, Yuri

Research on nursing education and professional development for nurse

Yokoyama, Yoshie

Research on prevention of child abuse, international comparative research of maternal and child health, research on development and growth, intervention studies for prevention of abuse of children resulting from multiple births, twin study, research on public health nurse activities, research on health inequality

Hatakeyama, Noriko

Research on public health nurse activities, Study on Community health nursing, Research on maternal and child health, Study on regional disaster prevention

Shirai, Midori

Research on environmental support for older adults with dementia, research on 'seating' for older adults

Sasaki, Yachiyo

Research on health promotion of community dwelling older adults, research on environmental support for older adults with dementia

(Home Health Care) **Kono, Ayumi**

Community and home health nursing care or prevention of frailty in elderly people, age-friendly communities

Okamoto, Fumiko

End-of-life care at home, grief care, decision-making support, management of visiting nurse service

Sakuda, Hiromi

Cancer nursing, Acute care nursing, Disaster nursing

Murakawa, Yukari

Acute Care Nursing, Cancer Nursing, Disaster Nursing

Yamaguchi, Yoko

Research on chronic illness nursing, patient education, basic nursing education and nursing education

Cho, Soongrae

Research on nursing for patients with heart failure, basic nursing education, nursing education

Matsuda, Mitsunobu

Psychoeducation for patients with schizophrenia, community based care for people with mental disability, program evaluation

(Psychiatric and Mental-health Nursing) **Kohno, Ayumi**

Research on nursing for patients with schizophrenia, educational research on psychiatric nurses

Tamaue, Mami

Research on perinatal child rearing support, research on nursing for women and infertility women who experienced miscarriage

Waki, Asuka

Research on safety and effectiveness of acupressure stimulation during delivery, Research on international nursing education

Hiratani, Yuko

Research on child health care nursing and family health care nurs-

ing

Shioi, Atsushi

Mechanism of Atherosclerosis and Vascular Calcification, Aging and Calcium Metabolism, Mechanism of Chronic Kidney Disease and Renal Fibrosis

Fujita, Hisakazu

Basic research on proliferation and metastasis of cancer cells using biochemistry, molecular biology, and cell biology methods

Graduate School of Human Life Science

Department of Food and Nutrition

Habu, Daiki

Study on nutritional assessment and therapy for liver cirrhosis and fatty liver disease

Yoshita, Katsushi

Public health and community nutrition research on prevention of life-style related diseases

Saeki, Shigeru

Molecular nutritional research on lipid metabolism

Masuda, Toshiya

Organic chemistry of plant phenols including polyphenols

Nakadai, Eriko

Molecular and physiological research on bioregulatory effects of food factors and probiotics

Wada, Takayuki

Molecular epidemiology and ecology on transmission and spread of microbial pathogens

Furusawa, Naoto

Research on multiresidue drug analyses

Ichikawa, Naoki

Biochemical/molecular biological research on energy metabolism regulatory systems

Kojima, Akiko

Research of pathophysiology and nutritional biochemistry on prevention of life-style related diseases

Kim, Dong-ho

Molecular nutritional research on lipoprotein metabolism

Yasui, Yoko

Clinical nutrition research on tailor-made nutrition education

Fukumura, Tomoe

Research on prevention of lifestyle-related disease and support of nutrition/eating habits

Hayami, Naomi

Eating behaviors among adolescents and development of nutrition education programs

Department of Housing and Environmental Design

Emura, Kazuo

Optimization of the thermal environment and energy saving

Mori, Kazuhiko

Research on housing welfare and environmental design

Watanabe, Tsugumichi

Research on maintenance and new construction of housing

Koito, Akiko

Research on dwelling life of children and families

Matsushita, Daisuke

Design methods based on behavior measure

Takizawa, Atsushi

Research on the relationship between information/mathematics and living space

Nakano, Shigeo

Research on city planning and urban design

Sakai, Hideki

Research on comfort and safety of housing environment

Ueda, Hiroyuki

Research on elderly housing and housing anthropology

Fukuda, Miho

Historical research on living spaces

Koike, Shihoko

Research on living space design

Farnham, Craig

Research on air conditioning equipment and thermal comfort

Ikuta, Eisuke

Research on environmental safety engineering

Okamoto, Shigefumi

Research on the structural performance of timber buildings

Nishioka, Moto

Ergonomic research on devices and environments supporting the lifestyles of the elderly and disabled

Kato, Haruka

Research on shrinking neighborhoods focused on walkability

Department of Human Development and Welfare

Nakai, Takaaki

Educational clinical studies, Evolution human behavioral studies

Mifune, Naoko

Psychopathology/developmental disorders studies, psychotherapy studies

Okada, Shinichi

Research on Social Work, Social Administration, and Social Welfare

Tokoro, Michihiko

Theoretical and policy research on social security supporting family diversification

Horiguchi, Tadashi

Research on poverty reduction, development assistance, life improvement, etc.

Ohnishi, Jiro

Medical social work, Psychiatric social work, Interprofessional education

Shinoda, Miki

Research on clinical psychology of the elderly, Research on psychotherapy

Nagahama, Teruyo

Mother-child psychology clinical research, psychotherapy research

Nomura, Yasuyo

Research on conflict management methods in communities, research on housing welfare

Matsuki, Hiroto

Family sociology and child care support

Ukawa, Shigekazu

Research in the field of aging epidemiology

Kakita, Yusuke

Research on poverty and social policy

Gotoh, Kayoko

Research on practices in clinical psychology in adolescence and mentality of adolescents

Unoura, Naoko

Research on advocacy practice in social work

Shimizu, Yuka

Research on community care for people with mental disabilities

Hirota, Yoji

Personality Assessment, Practice of Psychotherapy

Nakashima, Naomi

Research on community based child and family welfare

Graduate School of Urban Management

Urban Policy and Regional Economy

Endo, Naohide

Research on public management and governance from accounting

point of view

Konagaya, Kazuyuki

Research on the economic regional structure and urban policy in megacities, town management, and regional revitalization

Sato, Michihiko

Research on innovated method of urban planning

Sano, Nobuhisa

Research on the public management and regional management by public private partnerships

Nagata, Junko

Research on the management related to public sector organizations and people

Yoshida, Takayuki

Urban cultural policy, cultural resources, art project

Urban Governance

Takano, Keisuke

Research on the legislative process, the decision-making process in government, and the administrative procedure

Hisasue, Yayoi

Legal systems on public lands and properties, National Security Law

Goishi, Norimichi

Comparative international research on social policy in East Asia

Mizukami, Keigo

Research on city finances and city management and international comparative research on government debt

Urban Business

Umehara, Kiyohiro

Research on small business management and ICT business

Kanai, Kazuyori

Entrepreneurship, industrial cluster and regional innovation, social venture and social entrepreneurship

Shindo, Haruomi

Corporate Venturing, Academic Spinoffs

Chika, Katsuhiko

Information economics, information social science, research on valuation techniques for information investment

Murakami, Norio

AI / renewable energy industry study

Ozeki, Tamane

Innovation, Creativities, University Startups, Strategic Alliances

Innovation Management of Healthcare and Social Welfare Organization

Akuzawa, Mariko

Human rights education and training for rights-holders and duty-bearers, international human rights mechanisms and civil society, modern forms of discrimination against minorities, human rights research methodologies.

Iwasaki, Yasunobu

Leadership in healthcare organizations, Open innovation for healthcare organizations

Kawamura, Takaya

Management and organization of knowledge creation in multicultural societies

Shingae, Akitomo

Research on life models of sexual minorities, research on scientific technology and the body

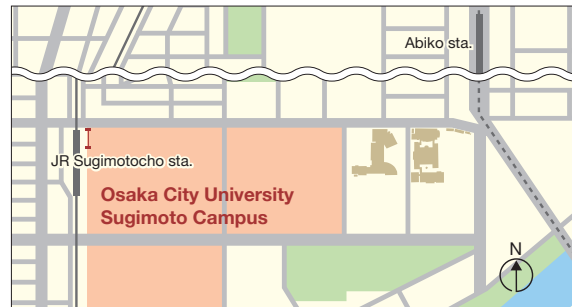
Hattori, Toshiko

The philosophical foundation of organization ethics in healthcare

ACCESS



Sugimoto Campus



Sugimoto Campus

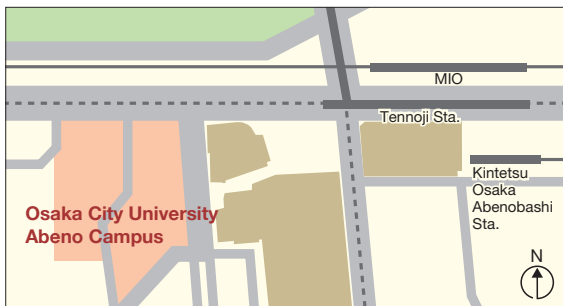
3-3-138 Sugimoto Sumiyoshi-ku,
Osaka
558-8585 JAPAN



Access by Public Transport:
5 min. walk from Sugimoto-cho Station
(JR Hanwa Line)
From Kansai Airport: Take the Kansai-Airport
Rapid Service, change at Sakai-shi to a local train
for Tennoji and get off at Sugimoto-cho Station

Abeno Campus

(Faculty of Medicine, School of Nursing and University Hospital)



Abeno Campus

1-4-3 Asahimachi, Abeno-ku, Osaka
545-8585 JAPAN (Faculty of Medicine)
1-5-17 Asahimachi, Abeno-ku, Osaka
545-0051 JAPAN (School of Nursing)



Access by Public Transport:
10 min. walk from Tennoji Station
(JR Hanwa Line and Subway Midosuji Line)
10 min. walk from Osaka Abenobashi Station
(Kintetsu Minami Osaka Line)
From Kansai Airport:
Take the Kansai-Airport Rapid Service or
Haruka Ltd. Express and get off at Tennoji Station

Umeda Satellite

(Graduate School of Urban Management, Graduate School for Creative Cities and Academic Extension Center)



Umeda Satellite

1-2-2-600 Umeda, Kita-ku, Osaka 530-0001 JAPAN

Access by Public Transport:
1 min. walk from Kitashinchi Station
(JR Tozai Line)
3 min. walk from Umeda/Nishi Umeda/
Higashi Umeda Station (Subway),
Umeda Station (Hanshin Line),
Osaka Station (JR Line)
From Kansai Airport: Take the Kansai-Airport
Rapid Service for Kyobashi and get off at Osaka Station