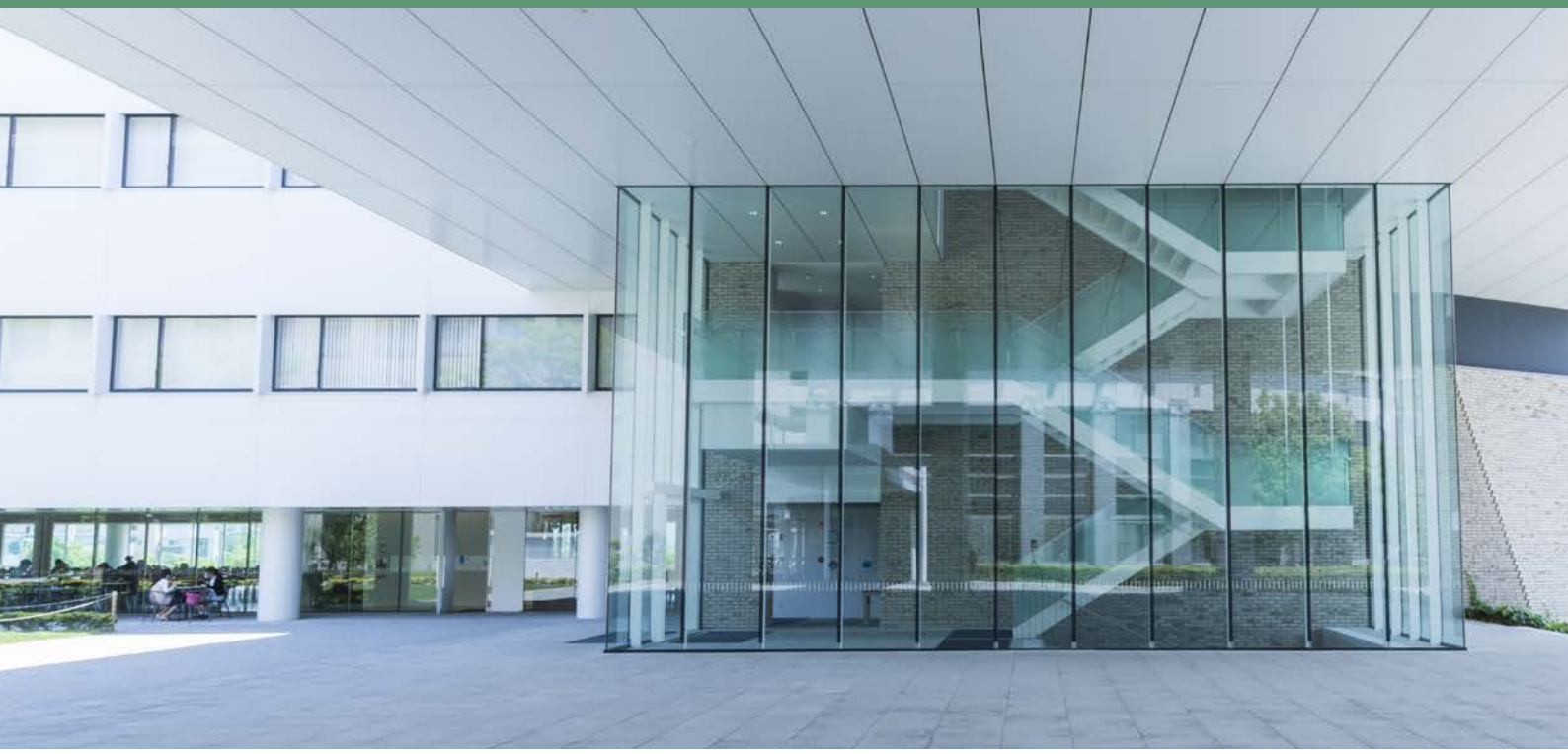
Faculty of Pharmacy
Graduate School of Pharmaceutical Sciences



Osaka Medical and Pharmaceutical University

Osaka Medical and Pharmaceutical University was created as an educational corporation through the merger of Osaka Medical College and Osaka University of Pharmaceutical Sciences. The two founding universities both have a history stretching back almost a century, and while we have inherited the traditions built up over this time, Osaka Medical and Pharmaceutical University has also taken a new step toward becoming a leading comprehensive medical university characterized by interprofessional education.

Within the framework of the United Nations University Sustainable Development Goals (SDGs) University Platform, we will carry out education and research with an international outlook and high-quality medical care, in order to fulfill our social responsibility as a medical university and university hospital with regard to the SDGs targets.

One of the areas we place greatest importance on to ensure that we maintain an international perspective is international exchange. The Nakayama International Center for Medical Cooperation, which was established under the initiative of Dr. Taro Nakayama, former Minister of Foreign Affairs of Japan and an alumnus of Osaka Medical College, has been playing a pivotal role in the international exchange activities of undergraduates and faculty members. At present, international exchange is temporarily being carried out in cyber space because of the global state of emergency due to the COVID-19 pandemic. We are pleased to share our plan to expand international exchange in the field of medical, Pharmaceutical and nursing science, and also their practices globally. Our approach will involve a unique blend of physical, and cybernetic spaces, allowing for diversified and innovative collaborative methods. I kindly ask for your guidance and cooperation.

President

Kouichi Sano, M.D. Ph.D.

Osaka University of Pharmaceutical Sciences has merged with Osaka Medical College and begun to take a historic step as “Osaka Medical and Pharmaceutical University, Faculty of Pharmacy.” Our Faculty has a history dating back to 1904, when Osaka Doshu School of Pharmacy was established, and has produced more than 20,000 graduates over its 117 years. Alumni are active in various roles, such as hospital/community pharmacists, pharmaceutical researchers in companies, national/local government employees, and educators. Together with the Faculty of Medicine, Faculty of Nursing and University Hospital, we aim to offer multi-disciplinary healthcare education with a global perspective.

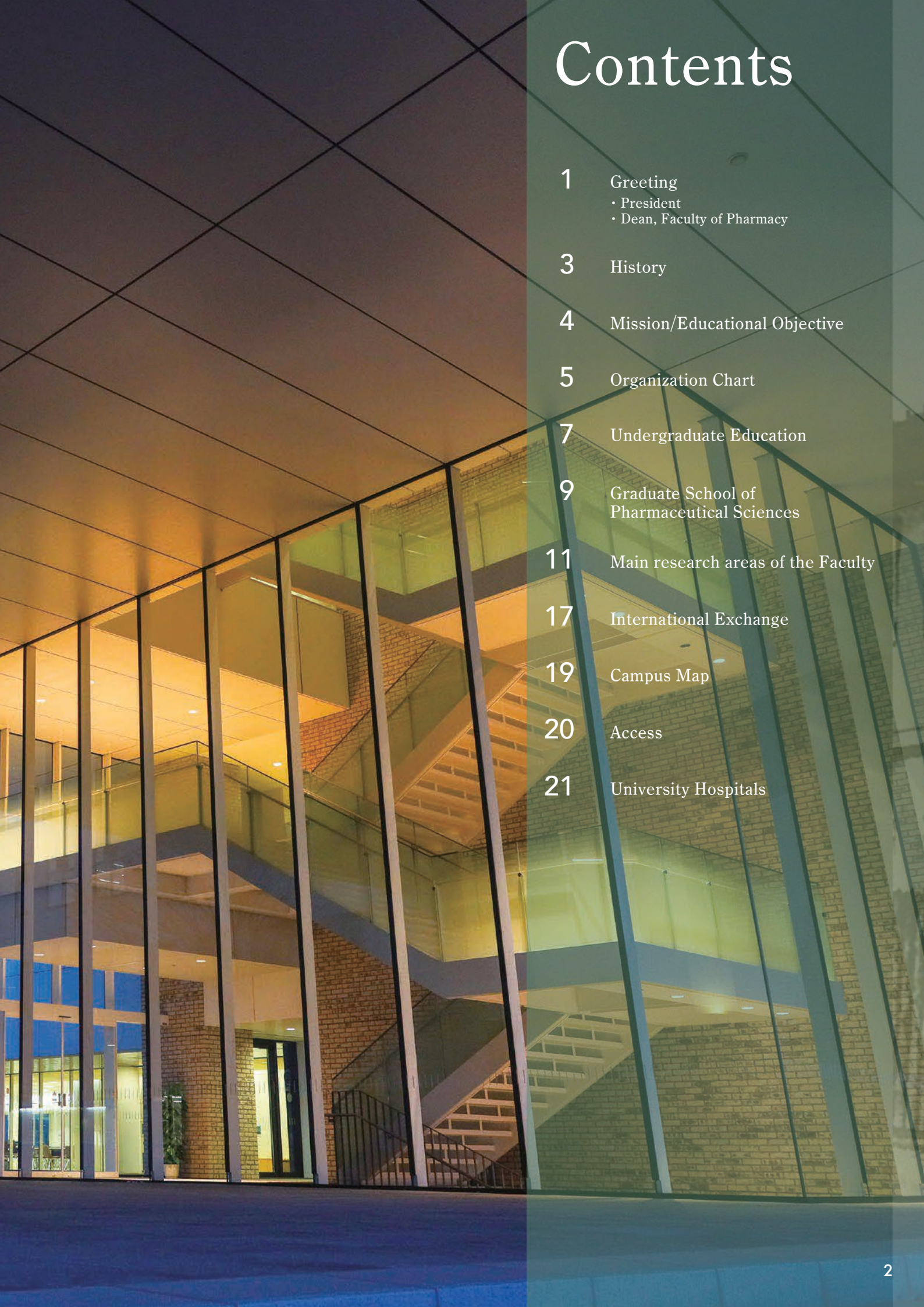
Faculty of Pharmacy provides advanced education in pharmaceutical sciences and teaches a wide range of scientific knowledge for pharmacists, as well as the high ethical standards and specialized skills necessary for team medical care. In particular, we facilitate the interprofessional education in medicine, pharmacy and nursing, and provide educational environments where students can receive advanced clinical training to become the next-generation pharmacists. In addition, we train researchers in various fields of pharmaceutical sciences, including Clinical Pharmacy, Biological/Healthcare Pharmacy, and Drug Discovery Chemistry, and promote translational research collaboration with medical schools and university hospitals. Our University has established academic exchange agreements with many foreign universities and welcomes students and researchers.

Please visit us and join Osaka Medical and Pharmaceutical University, Faculty of Pharmacy.

We welcome you all!

Dean, Faculty of Pharmacy

Yukihiro Ohno, Ph.D.



Contents

1904
Osaka Doshu School of Pharmacy was founded

1950
Establishment of Osaka College of Pharmacy was approved

1968
Two-department system, the Department of Pharmacy and the Department of Pharmaceutical Technology, was introduced

1975
A Master's program in Pharmaceutical Sciences was established

1984
A Doctoral program in Pharmaceutical Sciences was established

1986
Osaka College of Pharmacy was renamed Osaka University of Pharmaceutical Sciences

2006
The Department of Pharmacy (6-year program) and the Department of Pharmaceutical Sciences (4-year program) were established

2010
A Master's program in Pharmaceutical Sciences at the Graduate School of Pharmaceutical Sciences was established

2012
A Doctoral program in Pharmacy at the Graduate School of Pharmacy (4-year program) was established

Merger of OMC and OUPS, 2021

Osaka Medical and Pharmaceuticial University

1927
Osaka Higher School of Medicine was founded

1929
The School of Nursing,
Osaka Higher School of Medicine
was established

1952
Establishment of Osaka Medical College
(new university system) was approved

1959
A Doctoral program
at the Graduate School of Medicine
was established

1978
The School of Nursing,
Osaka Higher School of Medicine
was renamed
the School of Nursing, Osaka Medical College

2010
The Faculty of Nursing was established

2014
The Graduate School of Nursing was established

2020
A Master's program
at the Graduate School of Medicine
was established

is established.

Medicine with Integrity

Mission

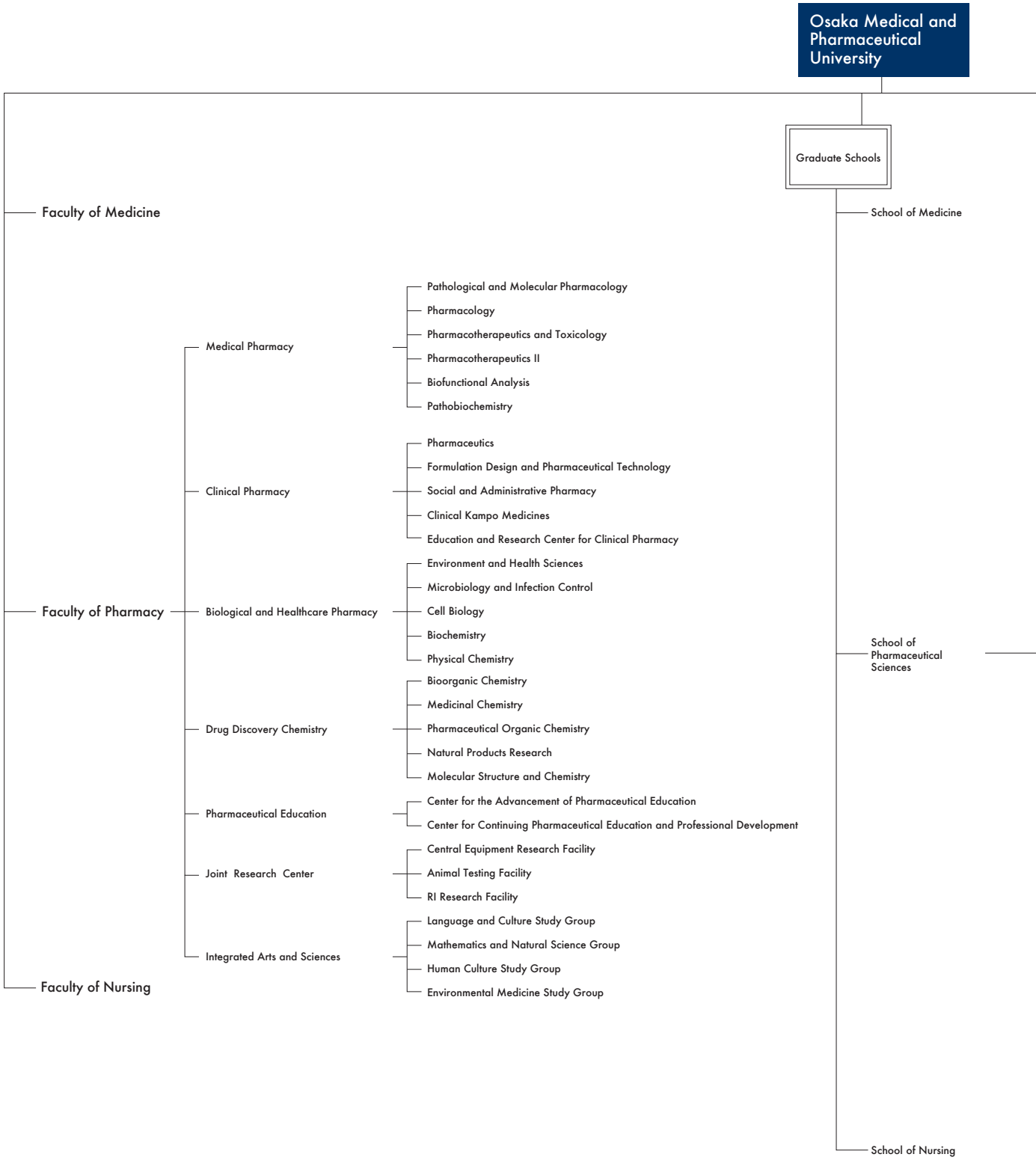
Fostering expertise and a sense of humanity for our students to become leaders in medical fields.
Our mission is to train individuals to maintain and improve the health and well-being of mankind as first-class medical specialists, educators, or researchers with a global mindset.

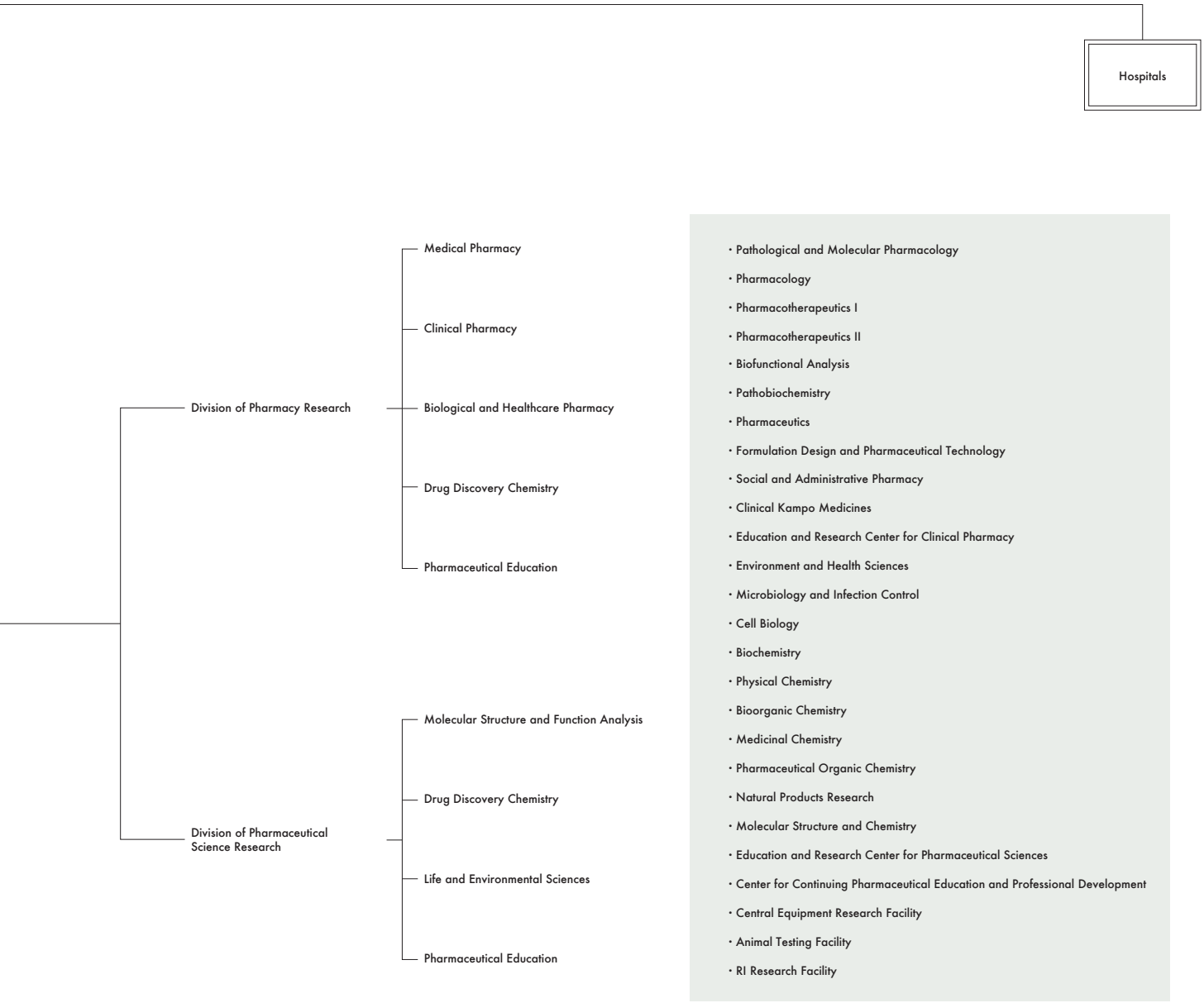
Educational Objective

We will provide education for the purpose of developing the following medical professionals: those who hold a rich sense of humanity who will strive to maintain and improve health as a common challenge for humankind; who will prevent and overcome diseases while working to reduce the pain and suffering caused by the diseases; who will respond to the ever-changing needs of society and continually acquire the latest knowledge and skills throughout their lives; and who, with their inquiring minds, will be active throughout a broad area ranging from local medical care to world-class research and development.

Organization Chart

Relevant to the Faculty of Pharmacy





- Pathological and Molecular Pharmacology
- Pharmacology
- Pharmacotherapeutics I
- Pharmacotherapeutics II
- Biofunctional Analysis
- Pathobiochemistry
- Pharmaceutics
- Formulation Design and Pharmaceutical Technology
- Social and Administrative Pharmacy
- Clinical Kampo Medicines
- Education and Research Center for Clinical Pharmacy
- Environment and Health Sciences
- Microbiology and Infection Control
- Cell Biology
- Biochemistry
- Physical Chemistry
- Bioorganic Chemistry
- Medicinal Chemistry
- Pharmaceutical Organic Chemistry
- Natural Products Research
- Molecular Structure and Chemistry
- Education and Research Center for Pharmaceutical Sciences
- Center for Continuing Pharmaceutical Education and Professional Development
- Central Equipment Research Facility
- Animal Testing Facility
- RI Research Facility

Undergraduate Education

Step-by-step learning aiming "beyond" pharmacist license, combining clinical experience/training unique to our university with multiple disciplines in healthcare.

Steps over the 6-year program

Acquire the basics needed to study pharmacy and the mindset to be a medical professional

Acquire more specialized knowledge of drugs and diseases

Assigned to a Research Laboratory

		Course Categories \ Grade	1st year Spring	1st year Fall	2nd year Spring	2nd year Fall	3rd year Spring	3rd year Fall
General Education Humanitarian Education	General Education	General Education Courses	● Liberal Arts Courses: Literature, History, Global Environment, Politics, Psychology, Law, Economics, Mathematical Logic, Sociology, Religion, Cultural Anthropology, Ethics, Coaching, Physical Education 2, Information Science					
			・Exercises in Information Science ・Academic Skills ・Sports Science and Physiology ・Physical Education 1 ・Physics 1 ・Chemistry ・Biology ・Mathematics 1	・Physics 2 ・Mathematics 2		・Mathematical Statistics		
	Pharmacy and Society	General Education Courses				Medical Psychology		
		Basic Pharmaceutical Science Course	・Introduction to Pharmaceutical Sciences and Practices		・*Multidisciplinary Sciences: Medicine, Engineering, and Pharmaceutical Sciences			
		Pharmaceutical Health Science Education Courses	・Interprofessional Education 1-Healthcare Professional Mindset Early Exposure			* Interprofessional Education Healthcare Professions	・Interprofessional Education 3-Medical and Healthcare Ethics	・Introduction to Medical Law
Language Education	General Education	English: General Education Course	・English Listening 1 ・English Reading 1	・English Listening 2 ・English Reading 2	・English Speaking 1 ・English Writing 1	・English Speaking 2 ・English Writing 2	・Seminar in Cross-Cultural Communication 1	・Seminar in Cross-Cultural Communication 2
		English: Advanced Pharmaceutical Science Courses						
		General Education Course	・German 1 ・Chinese 1 ・Korean 1	・German 2 ・Chinese 2 ・Korean 2				
Pharmaceutical Science Education	Physical Chemistry	Basic Pharmaceutical Science Courses		・Physical Chemistry1 ・Analytical Chemistry1	・Physical Chemistry 2 ・Analytical Chemistry 2 ・Bioinorganic Chemistry	・Physical Chemistry 3	・Radiochemistry	
		Advanced Pharmaceutical Science Courses					・Applied Analytical Chemistry	・*Applied Radiochemistry
	Organic Chemistry	Basic Pharmaceutical Science Courses	・Fundamental Organic Chemistry	・Organic Chemistry 1	・Organic Chemistry 2	・Organic Chemistry 3 ・Spectroscopic Analyses in Organic Chemistry	・Organic Chemistry 4	
		Advanced Pharmaceutical Science Courses	・Medical Botany	・Natural Products Chemistry	・Pharmacognosy			・Medicinal Chemistry1 ・*Fine Synthetic Organic Chemistry
	Biological Chemistry	Basic Pharmaceutical Science Courses		・Fundamental Cell Biology ・Biochemistry 1	・Biochemistry 2 ・Microbiology	・Molecular Biology	・Immunology	
		Advanced Pharmaceutical Science Courses				・Hygienic Sciences 1	・Molecular Cell Biology ・Pharmaceutical Health Science 2	・Pathogenic Microbiology ・Pharmaceutical Health Science 3
Pharmaceutical Health Science Education	Pharmaceutical Health Science	Basic Pharmaceutical Science Courses		・Physiology and Anatomy 1	・Physiology and Anatomy 2			
		Advanced Pharmaceutical Science Courses				・Fundamentals of Kampo Pharmaceutical Sciences	・Physical Pharmaceutics	
		Pharmaceutical Health Science Courses		・Introduction to Pharmaceutical Health Science	・Pharmacology 1 ・Pharmacotherapeutics 1	・Biopharmaceutics 1 ・Pharmacology 2 ・Pharmacotherapeutics 2	・Biopharmaceutics 2 ・Pharmacology 3 ・Pharmacotherapeutics 3	・Pharmacokinetics ・Drug Formulation ・Pharmacology 4 ・Pharmacotherapeutics 4 ・*Clinical Chemistry
	Clinical Pharmacy	Advanced Pharmaceutical Science Courses						
		Pharmaceutical Health Science Courses					・Introduction to Clinical Pharmacy	・Drug Informatics
	Social Pharmacy	Pharmaceutical Health Science Courses						
	Integrated Studies	Pharmaceutical Health Science Courses						
Lab. and Training *Electives	Lab. and Training	Lab. and Training Courses		・Fundamental Organic Chemistry Laboratory	・Analytical Chemistry Laboratory ・Biology Laboratory	・Kampo Medicines and Pharmacognosy Laboratory ・Physical Chemistry Laboratory	・Organic Chemistry Laboratory ・Biological Sciences Laboratory	・Pharmaceutical Health Sciences and Radiochemistry Laboratory ・Pharmacology Laboratory ・Pharmaceutics Laboratory

Educational Goals

1. Foster the humanity that respects the lifestyles and values of others, based on dignity of life and respect for human rights.
2. Foster the ability to generate world-class new knowledge and technologies in the field of pharmacy and healthcare, working in collaboration with people with diverse backgrounds.
3. Foster the ability to practice healthcare based on scientific knowledge and ethical judgment that effectively utilizes professional expertise, information and technologies on pharmacy.
4. Foster the competence as a pharmacist, to recognize community characteristics and address various health issues through multidisciplinary cooperation and collaboration.
5. Foster a fundamental attitude of developing professional skills and teaching ability independently and continuously as a pharmacist.

Students look for research topics while being assigned to a research department

Pharmaceutical Common Achievement Test OSCE/CBT

Students develop a high level of expertise by taking part in Clinical training at hospitals and pharmacies while pursuing their graduation

National Examination for Pharmacists

	4th year		5th year		6th year	
	Spring	Fall	Spring	Fall	Spring	Fall
	Communication for Pharmacists Overview of Career Design		・Clinical Training in Hospital Pharmacy ・Clinical Training in Community Pharmacy			
		・*Medical Policies			*Interprofessional Education 4-Patient and Healthcare Safety	
	・English for Pharmaceutical Sciences	・*Journal Reading				
	・*Biophysical Chemistry					
	・Medicinal Chemistry 2					
	・*Advanced Molecular Medical Sciences					
	・Clinical Infectious Diseases ・Pharmacotherapeutics 5 ・*Drug Safety and Toxicology	・*Advanced Pharmacotherapeutics 1			・*Overview of Kampo Medicine ・*Advanced Pharmacology	
		・Medical Statistics				
	・Personalized Medicine ・Introduction to Clinical Practice1 ・Clinical Pharmacokinetics	・Community Pharmacy ・Introduction to Clinical Practice2				
	・Pharmaceutical Affairs Law and Regulations ・Social Security System				・Comprehensive Exercises in Pharmaceutical Sciences	
		・Exercises in Pharmaceutical Sciences			Exercises in Integrated Pharmaceutical Sciences	
	・Research in Specialized Area					

Graduate School of Pharmaceutical Sciences

Educational Objective

Our objective is to contribute to the society by producing individuals who are capable of developing the field of advanced pharmaceutical sciences and medical care. We will train our students through highly-specialized research and teaching of knowledge and skills.

Doctoral Program in Pharmacy

Doctoral Program

To train individuals to :

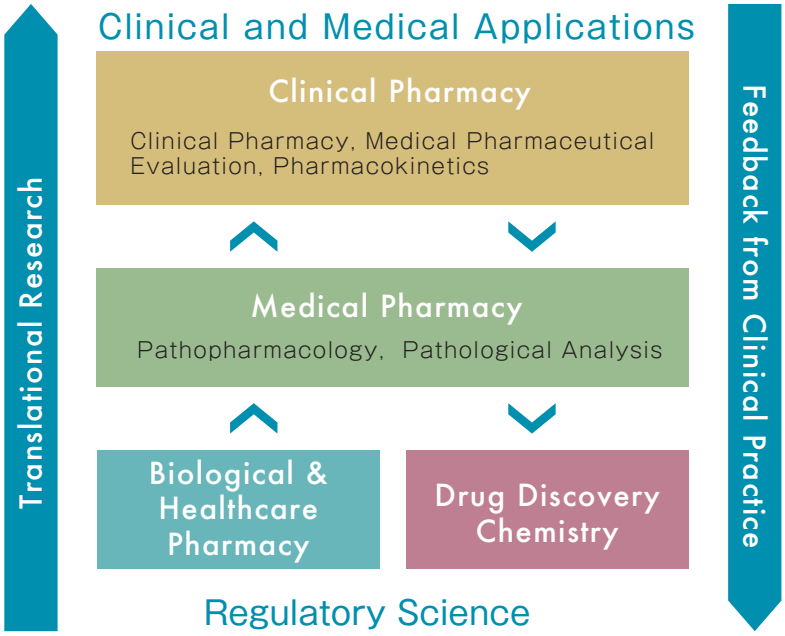
1) acquire a broad perspective and high level of expertise in the pharmaceutical research —a field closely related to clinical and medical care.
2) become exceptional researchers, educators, and medical professionals who can maintain and promote the people's health and prevent and treat diseases.

This is the Doctoral program after 6-year undergraduate program. We are looking for students who meet the professional training objectives offered in the Doctoral program in Pharmacy at our Graduate School of Pharmaceutical Sciences; who have flexible minds and rich creativity as well as the following qualities:

1. Individuals with broad perspectives and high levels of expertise as pharmaceutical researchers who are highly motivated to contribute to people's health.
2. Individuals with exceptional clinical analytical abilities, skills and ethics as medical professionals who are highly motivated to be involved in preventing and treating diseases.

Pharmacists with a minimum of 3 years of work experience as a pharmacist who graduated from the former 4-year pharmacy education system or those who have a Master's degree from Japan or abroad are eligible to apply.

[Fields and Areas]



- Assessment, verification and optimization of healthcare systems/policies and pharmaceutical economics
- Practice of pharmaceutical care
- Proper drug use
- Information analysis of drug side effects and interaction
- Biological/preventive pharmacy, drug discovery chemistry

Training program for Oncology Pharmacists

This program aims to provide educational and research opportunities to train highly capable cancer care professionals in accordance with the "Plan for training medical professionals specializing in cancer (cancer professionals)" proposed by the Ministry of Education, Culture, Sports and Science.
The program is structured by collaborating multiple universities to supplmement each other's programs.
Each university has own characteristics, uniqueness and specialities. Clinical experience/training may be taken at the Department of Pharmacy, Osaka University Hospital.
Pharmacists working at a designated medical institution for training oncology pharmacists can work and study in the program, if the conditions for cooperation and collaboration between the medical institution concerned and our Graduate School are satisfied.

Collaboration in various areas

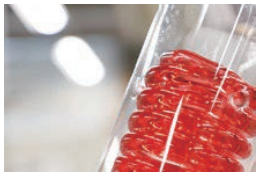
Sharing experimental techniques, methods, and information needed in every field and conducting joint research will promote more integrated and advanced research.

Master's and Doctoral Programs in Pharmaceutical Sciences

Master's Program

To train individuals to be researchers with exceptional research skills and a global mindset through the teachings of the latest research, knowledge and skillsin the field of pharmaceutical science.





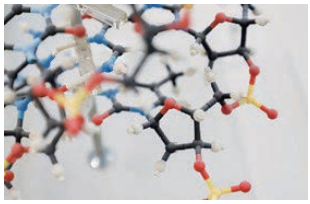
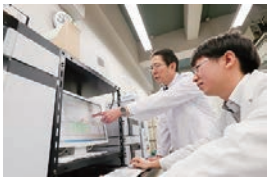
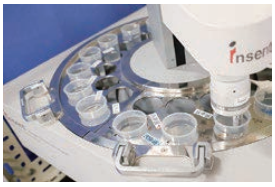
This is the Master's program after 4-year undergraduate program (Pharmacy, Agriculture, Engineering, Science, etc.) and counted as the first term of doctoral program in pharmaceutical sciences. We are looking for students who meet the professional training objectives offered at our Graduate School of Pharmaceutical Sciences; who have flexible minds and creativity as well as the following qualities:

Individuals with research skills, knowledge and ethics n the field of pharmaceutical sciences related to the life sciences or drug discovery science, who are highly motivated to work as globally minded researchers.

Applicants who have completed 16 years of school education in a foreign country are also eligible to apply.

Doctoral Program

To train individuals who have the potential to become researchers and educators that play a role in the academic discipline in the field of pharmaceutical sciences closely related to life sciences and advanced medical care.

This is the Doctoral program after the Master's program. We are looking for students who meet the professional training objectives offered at our Graduate School of Pharmaceutical Sciences; who have flexible minds and creativity as well as the following qualities:

Individuals with highly specialized knowledge, advanced research skills, and ethics in the field of pharmaceutical sciences closely related to life sciences, who are highly motivated to work as researchers.

Applicants who have a Master's degree from abroad are also eligible to apply.


Research Areas

Molecular Structure and Function Analysis

To train researchers who can analyze and identify the structures, functions, and functional expression mechanism of biological components at the molecular level, and further who contribute to diagnosis and treatment of diseases by targeting such mechanisms.

Drug Discovery Chemistry

To train researchers who can engage in the creation of functional molecules for new medical applications and ultimately in the development of therapeutic and diagnostic drugs based on organic and natural product structural chemistry.

Life and Environmental Sciences

To train researchers who can analyze and elucidate the pathogenic mechanism of diseases based on the analysis of cellular and biological functions at the animal level and develop relevant therapeutic drugs as well as investigate the relationship between the environment and life.

Main research areas of the Faculty

Medical Pharmacy

Pathological Molecular Pharmacology

- Research on the mechanism of endothelin biosynthesis and pathophysiological role of endothelin
- Research on the pathophysiological role of nitric oxide
- Research on the pathophysiological role of various autacoids in acute kidney injury and chronic kidney disease
- Development and research on innovative therapeutic drugs for various circulatory diseases
- Research on sympathetic nerve activity in the kidney and heart and their regulatory mechanisms
- Pharmacological research of various functional foods

Pharmacology

- Pathophysiological and pharmacological research on psychiatric diseases (e.g., schizophrenia, depression, anxiety disorders)
- Pathophysiological and pharmacological research on neurological diseases (e.g., Parkinson's disease, epilepsy, movement disorders)
- Development of animal models for neurological diseases and discovery research on new medications
- Pharmacological research on central nervous system drugs

Pharmacotherapeutics and Toxicology

- Elucidation of the mechanisms of idiosyncratic drug reactions in the liver, lung, skin, and heart
- Development of screening methods for idiosyncratic drug reactions
- Prevention and pharmacological elucidation of oxidative stress-related diseases
- Oxidative stress defense and sleep modulation mechanisms in response to thiamine derivatives and neuropeptides
- Diabetic dyslipidemia, small intestinal lipid absorption, and resynthesis function in a diabetic rat model

Pharmacotherapeutics Ⅱ

- Pathomechanisms of neurocognitive disorders and their medical applications
- Pathomechanisms of autoimmune encephalitis and their medical applications
- Identification of orphan receptor ligands using genetic incorporation of unnatural amino acids
- Generation of genetically modified organisms using CRISPR/Cas9 and applications of pathomechanism analysis

Pathobiochemistry

- Function of lipid mediators and their regulatory mechanisms
- Molecular mechanism of regulation of metabolic diseases by lipid mediators
- Molecular mechanism of obesity and development of anti-obesity medicines
- Epigenetic regulation in metabolic diseases

Biofunctional Analysis

- Research on the development of radiolabelled probes for PET and SPECT
- Research on the development of molecular imaging probes for MRI and in vivo optical imaging
- Research on in vivo molecular imaging for early functional diagnosis and evaluation of therapeutic effects on cancers
- Research on the development of novel pharmaceuticals for cancer treatment with Neutron Capture Therapy
- Research on the development of diagnostic and therapeutic methods using disease model animals

Clinical Pharmacy

Pharmaceutics

- Molecular mechanisms of pharmacokinetic changes in disease states and application to optimization of drug therapy
- Enhancement of drug efficacy and reduction of adverse drug reactions by modulating molecules responsible for ADME
- Improvement of efficacy and safety of mesenchymal stem cell-based medicine and evaluation of usefulness
- Pharmaceutical examination on relationship between pharmacokinetic properties of anticancer agents and efficacy/toxicity of chemotherapy
- Pharmacokinetic investigation to improve efficacy and safety of pharmacotherapy for chronic disease patients

Formulation Design and Pharmaceutical Technology

- Solubility and absorption enhancement techniques of hydrophobic compounds
- Nanocomposite formation using hydrophobic compounds and functional food additives
- Functional particle formation by mechanochemical grinding

Social and Administrative Pharmacy

- Epidemiological study on health support function of community pharmacy
- Outcome research and health economic evaluation on pharmacotherapy and pharmaceutical practice
- Research on system design of community medicine

Clinical Kampo Medicines

- Research on antioxidant properties of herbal medicines and application for aging-related disease
- Development of the new licorice cultivar for production of Glycyrrhizae Radix in Japan
- Research on "specific processing of crude drugs" (a general term for treating of medicinal substances by various means before their medical use)

Education and Research Center for Clinical Pharmacy

- Variation of intestinal drug absorption caused by the difference of medicine taking media
- Exploration and clinical evaluation of biomarkers for efficacy and safety of cancer chemotherapy
- Exploration and clinical evaluation of biomarkers for efficacy and safety of pharmacotherapy for circulatory system diseases
- Researches into evaluation and utilization of the drug information
- Evaluation of drug safety using various medical databases
- Pharmacogenomics of cytochrome P450 enzymes and transport proteins for personalized medicine
- Research on educational strategies in clinical pharmacy

Biological & Healthcare Pharmacy

Environment and Health Sciences

- Research on the function and physiological role of atherosclerosis-related factors
- Research on the development of drug delivery systems for cancer chemotherapy
- Research on the development of protein knockdown technology
- Research on the mechanism of intracellular transport and activity regulation of anti-sense nucleic acid
- Research on the molecular mechanism of various diseases where reactive oxygen species are involved
- Research on the tight junction modulation of blood-brain barrier
- Research on the investigation of pharmaceutical residues in the environmental waters

Microbiology and Infection Control

- Development of novel strategies to control pathogenic microbe infections
- Elucidation of molecular mechanism of the virulence of pathogenic microbes via host-pathogen interactions

Cell Biology

- Research on the mechanism of action of anti-cancer drugs
- Research on the role of S9 serine proteases in cell function and applied research on their inhibitors
- Research on the cellular responses to drug receptor stimulation

Biochemistry

- Molecular mechanism of cellular proliferation and differentiation regulated by hematopoietic cytokines
- Molecular mechanism of intracellular signal transduction mediated by protein kinases
- Molecular theory of the enzymatic function of phospholipases

Physical Chemistry

- Analysis of the structure and function of translational initiation factors of eukaryote
- Elucidation of the self-aggregation mechanism of tau protein related to Alzheimer's disease and development of inhibitors for tau aggregation
- Elucidation of the intracellular transport mechanism of xylooligosaccharide in bacteria
- Elucidation of the iron transport system in the pathogenic bacteria and development of the new antimicrobial agent
- Molecular design of enzyme inhibitors

Drug Discovery Chemistry

Bioorganic Chemistry

- Synthesis of novel prodrug-type nucleic acids responsive to a reducing environment and their application to functional RNA, such as siRNA
- Development of carrier peptides capable of cell penetration
- Application of carrier peptides as a tool for the intracellular delivery of nucleic acid drugs
- Influence of metal ions on the stability and replication reactions of double-stranded DNAs
- Synthesis of enantiomeric nucleic acids and their application as functional molecular devices

Medicinal Chemistry

- Developent of photofunctional molecules for medical purposes
- Developent of inhibitors and assay system for histone methyltransferase
- Search for the seeds of antitumor agents from metabolites produced by marine organism-derived fungi
- Studies on constituents from Pleurotaceae
- Research on biological activity and its mechanism of natural products for drug discovery

Pharmaceutical Organic Chemistry

- Reaserch on the synthesis and biological activity of anti-tumor marine natural products and their analogs
- Synthesis of novel heterocyclic compounds
- Developmet of new synthetic methods using tetrazole-fragmentation for the generation of alkylidene carbenes
- Design and synthesis of anti-tumor compounds led from histamine H3 receptor antagonists

Natural Products Research

- Research on the structural analysis and bioactivity of various herbal medicine constituents
- Research on the usefulness of supplements
- Development of small-molecule modulators of Protein-Protein interactions (PPIs) from the natural resource
- Development of histone deacetylase (HDAC) selective inhibitors from medicinal herbs

Molecular Structure and Chemistry

- Research on the conformation control of peptides
- Reseach on the cell penetrating peptides
- Structural analysis and design of functional peptides

Joint Research Center

- Research on the solution structure and functions of biomolecules
- Structure and function analysis of self-assembly peptides

Pharmaceutical Education

Center for the Advancement of Pharmaceutical Education

- The structure and function of phospholipase A_2-inhibitory proteins derived from serum
- Elucidation of functions of leucine-rich α_2-glycoprotein
- Modeling and simulation of the pharmacokinetic-pharmacodynamic relationship to optimize treatment for the individual
- Investigation of the influence to the diseases by the environmental agents via protein induction

Center for Continuing Pharmaceutical Education and Professional Development

- Development of continuing professional development for pharmacists
- Research on the pathogenesis and prevention of druginduced kidney injury

Integrated Arts and Sciences

Language and Culture Study Group

- ESP (English for Specific Purposes) for pharmacy
- Teaching technical terms using ICTs and digital resources
- Identification of early genetic biomarkers for drug-induced liver injury
- Gene expression analysis in age-associated impairment of recognition memory
- British literature and culture in relation to medicine and chemistry especially in the 19th century England
- TOEIC and TOEFL training for university students

Mathematics and Natural Science Group

- Research on number theory and related topics
- Research on clustering phenomena in nuclear systems

Human Culture Study Group

- Historical analysis of parties, bureaucracy, and pressure groups around public policies in Japan

Environmental Medicine Study Group

- The nature and meaning of human dignity in life and death
- Medical ethics education for healthcare professionals
- The rights and well-being of children
- Cross-national research of bioethics between Germany and Japan
- Research on technical training methods and popularization of water polo games
- Research on promotion of health retention among the elderly

International Exchange

In response to the globalization of the field of pharmacy, the International Exchange Committee in the Faculty of Pharmacy offers the following programs: 1) Academic exchange programs with partner institutions; 2) Short-term study abroad programs; 3) Grant programs for presenters at international conferences ; and 4) Subsidy programs for accepting international students.

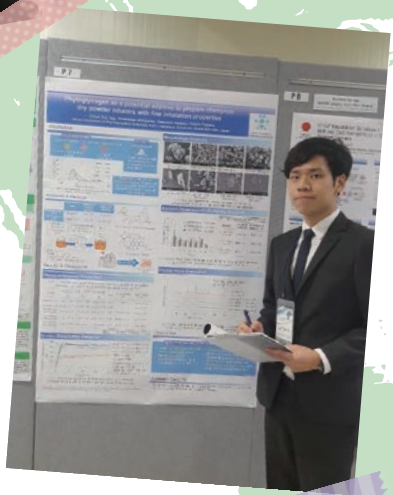
We have signed academic exchange agreements with the following three partner universities overseas: Taipei Medical University (Taiwan), Hong Kong Baptist University (Hong Kong), and Srinakharinwirot University (Thailand). Among these universities, we have been regularly accepting short-term exchange students (sending and accepting) from Srinakharinwirot University since Fall 2014. In 2019, one of our faculty members went to Hong Kong Baptist University (Hong Kong) and collaborated in a research project. Students also participate in short-term study abroad programs organized by the university, Pharmacy and Medical English Training in Canada and Australia .

International Exchange Fund

In response to the globalization of medical practice, we are focusing on projects that actively promote international exchanges. The International Exchange Fund provides partial grants to subsidize travel, accommodation, registration fees and other expenses related to exchange programs with the partner universities, language programs, and participation in academic conferences.

Past Record

Programs: short-term exchange programs, language training, medical study tours, presentations at academic conferences, etc.
Destinations: Canada, Australia, Taiwan, Philippines, Thailand, South Korea, etc.



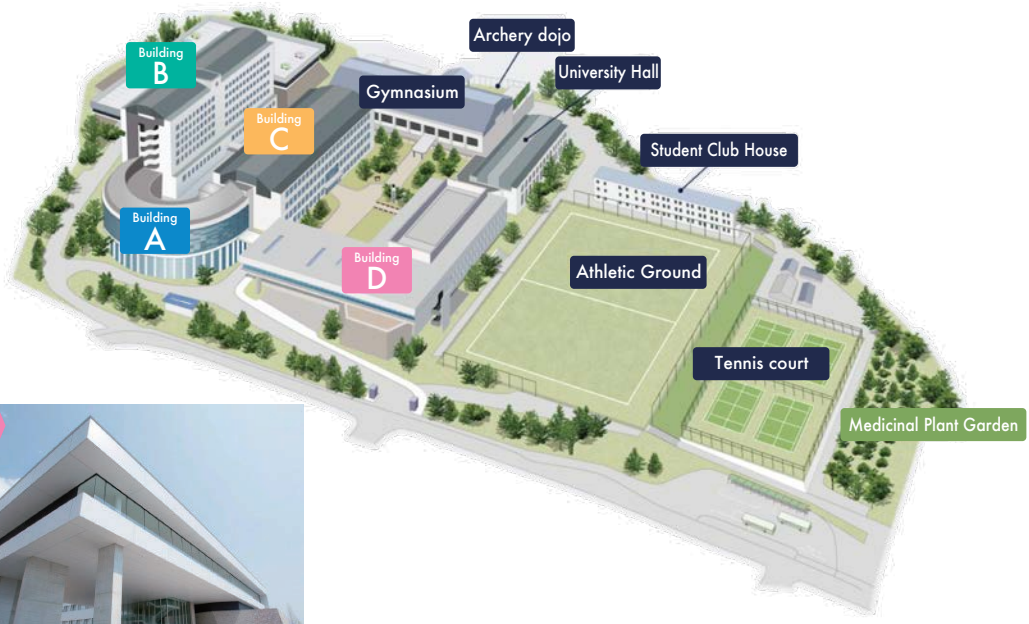
Campus Map

In the spacious building, research facilities are laid out efficiently.

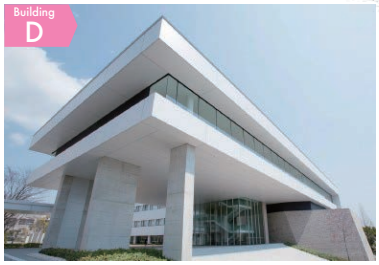
The building has a large arena on the first floor, and *dojos* for *judo* and *kendo* on the second floor. Training rooms, shower rooms, and changing rooms are available.

The building has a student cafeteria on the first floor, and seminar rooms and Japanesestyle rooms on the second floor, which are used by cultural club activities.

Classrooms and seminar rooms for different numbers of students are located here, to maximize their learning efficiency.



As you enter the main gate and climb up the hill, the hemisphere-shaped bright building appears as a symbol of Faculty of Pharmacy.



The newest building in Faculty of Pharmacy, equipped with facilities, devices, and an auditorium that enable the latest clinical pharmacy studies and practical training.

In the premises, with a total area of 59,260 m², Buildings A, B, C and D, the Gymnasium, the University Hall, the Student Club House, and other buildings are laid out efficiently.

Medicinal Plant Garden

Over 1,000 species of medicinal plants grow in this garden.

The Medicinal Plant Garden is located at the east end of the campus. We carefully grow over 1,000 species of medicinal plants and use them in the educational programs of pharmacognosy, the study of the use of natural substances in drugs, and chemistry. Citizens visit this garden to observe medicinal plant. We grow many species of Umbelliferae, Leguminosae, Ranunculaceae, and Lamiaceae to use them in pharmacognosy researches.

Various species of medicinal plants grow on approximately 5,000 m² of land. Medicinal plants growing in the greenhouses can be observed in all seasons. In collaboration with other medicinal plant gardens, we promote research projects and provide opportunities for exchange for researchers in this field.

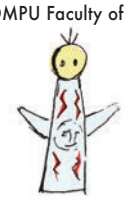
The campus is located in Takatsuki City, Osaka, approximately halfway between Osaka and Kyoto.
Its convenient location is also accessible from Shiga, Hyogo, Nara, etc., enabling students to commute from all over Kansai.

Access

Access from major stations to the nearest station

Get off the train at Settsu Tonda Station on the JR Kyoto Line (Tokaido Line), or at Tonda Station on the Hankyu Kyoto Line. Take a Takatsuki municipal bus for OMPU Faculty of Pharmacy, or for "Kodan Abuyama." Get off the bus at "OMPU Faculty of Pharmacy." (approx. 15 min. from the station).


Kobe

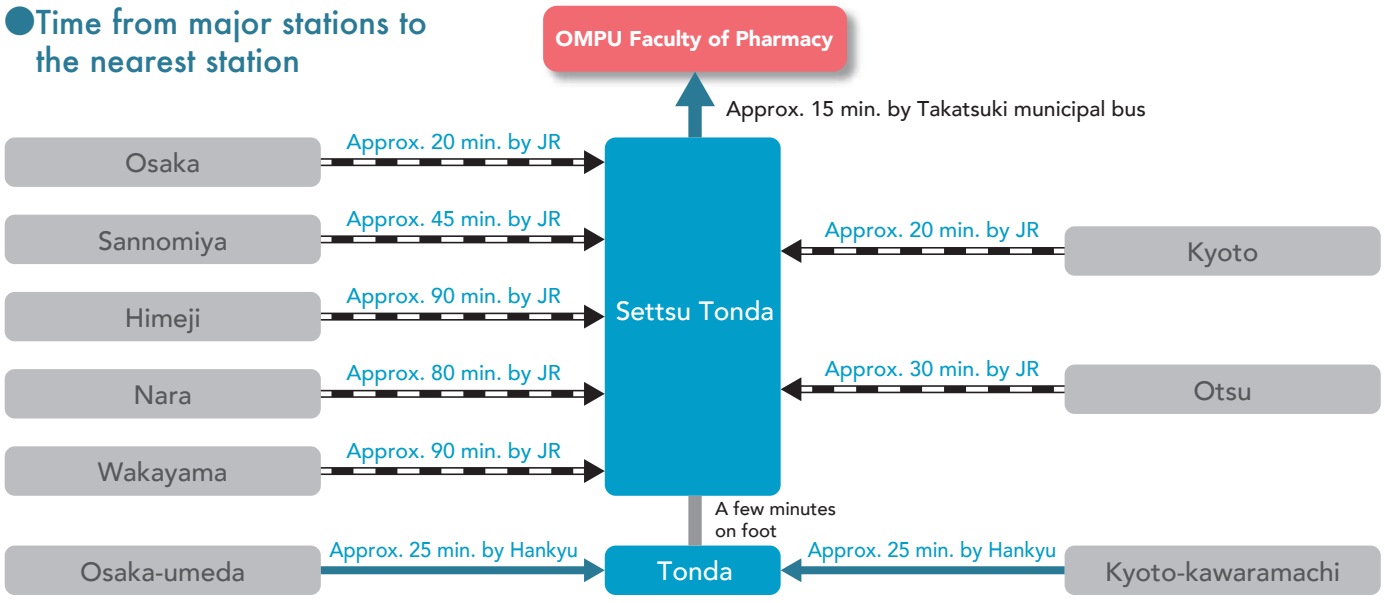



Kyoto


Osaka


Nara

Time from major stations to the nearest station



*The figures above indicate approximate times based on the train schedules as of April 2021, and do not include times for transfer and waiting.

Osaka Medical and Pharmaceutical University Hospital

As an "advanced treatment hospital", "disaster base hospital" and "locally based cancer care partnership hospital", Osaka Medical and Pharmaceutical University Hospital provides highly advanced medical treatment with its advanced clinical force and clinical application force. The hospital takes a proactive stance in supporting the regional medical service as the last stronghold of the region.

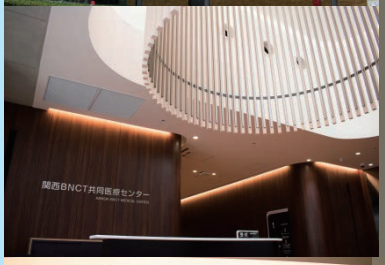
Central Operating Room Building

As the core hospital in the region, over 10 thousand operations have been conducted on an annual basis with the implementation of leading-edge equipment and facilities such as hybrid operating room, endoscope, and robotic surgery rooms.

University Hospitals

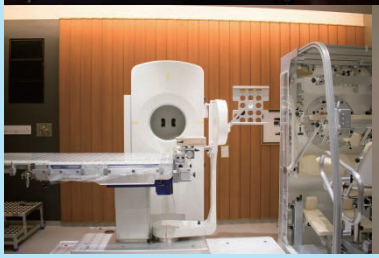
Osaka Medical and Pharmaceutical University Mishima-Minami Hospital

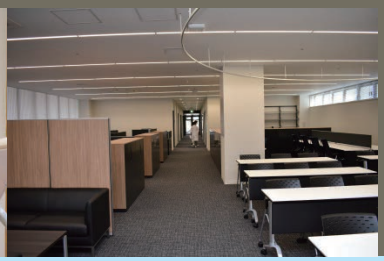
The hospital practices regional medical care to create a bridge between "emergency, acute phase, convalescence phase, recuperation medical care" and home medical care.



Kansai BNCT Medical Center

Foundation of Kansai BNCT Medical Center , the world's first shared BNCT specialized medical base, to put BNCT (Boron Neutron Capture Therapy) into practical use.





Osaka Medical and Pharmaceutical University Health Science Clinic

With the medical education and clinical research that has been developed and fostered over many years as the base, the clinic works to find presymptomatic diseases and to extend healthy life expectancy.

Osaka Medical and Pharmaceutical University

Faculties

Faculty of Medicine
Faculty of Pharmacy
Faculty of Nursing

Graduate Schools

Graduate School of Medicine

- Master's Program in Medical Sciences
- Doctoral Program in Medicine

Graduate School of Pharmaceutical Sciences

- Doctoral Program in Pharmacy
- Master's Program in Pharmaceutical Sciences
- Doctoral Program in Pharmaceutical Sciences

Graduate School of Nursing

- Master's Program in Nursing
- Doctoral Program in Nursing

Main Campus (Faculty of Medicine, University Hospital)

2-7 Daigakumachi, Takatsuki, Osaka

North Campus (Faculty of Nursing)

7-6 Hatchonishimachi, Takatsuki, Osaka

Abuyama Campus (Faculty of Pharmacy)

4-20-1 Nasahara, Takatsuki, Osaka