

TWDU

OVERVIEW 2010

TOKYO MEDICAL AND DENTAL UNIVERSITY



Cultivating Professionals with Knowledge and Humanity

Mission

Cultivating Professionals with Knowledge and Humanity

Our daily work is dedicated to a word of gratitude and a smile of contentment from our patients and their family members.

In order to win the trust of people we serve we affirm that:

- ・We will do our utmost to gain advanced knowledge and skills in medicine.
- ・We will cultivate empathy for the suffering and sorrow that accompany disease, and will always maintain a strong sense of ethics.
- ・We will support all those who are engaged in education, research and medical service as they continue their journey to

become true professionals with knowledge and humanity.

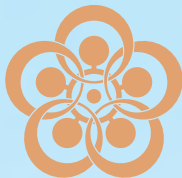
The above is the mission of TMDU, which we declare with humility and strive to achieve.

Educational Philosophies

- ・To provide students with a broad education and a rich sensibility
- ・To educate creative people capable of diagnosing and solving problems independently
- ・To train medical professionals with a rich international quality

Symbol of Tokyo Medical and Dental University

This is the symbol of Tokyo Ikashika Daigaku (Tokyo Medical and Dental University), which has the following meaning:



1. This symbol is designed to show the history of development of Tokyo Medical and Dental University. This shape represents the plum blossom; it is the symbol of Yushima Tenjin (Yushima Shrine) which exists in the same location as the University. Tenjin is the God of knowledge.

2. The center circle of this symbol, the core of the flower, was the emblem of the former Tokyo koto Shikaigakko (Tokyo National School of Dentistry) and the 5 petals around the core show the present University which has developed from that school.

3. The 5 petals express the Faculty of Medicine, Faculty of Dentistry, College of Liberal Arts and Sciences, Institute of Biomaterials and Bioengineering, and Medical Research Institute, and these 5 petals, which join together to make the flower bloom, represent the activity of the University.

4. The bold outline of these 5 petals suggests further development and progress in the future.

New logo mark of Tokyo Medical and Dental University



Our university logo mark was designed based on TMDU which are the initial letters of Tokyo Medical and Dental University. It has following meanings;



1. By connecting the letters M and D, the logo mark implies fusion of Medicine and Dentistry.
2. Bold lines expresses confidence and strength which are the heritage of our university

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Message from the President



Takashi OHYAMA, DDS, PhD
President

“Cultivating Professionals with Knowledge and Humanity”

Tokyo Medical and Dental University is unique among medical and dental universities in Japan in that we have three divisions dedicated to graduate education and research: Medical and Dental Sciences, Health Care Sciences, the Biomedical Sciences Education Division, and the Biomedical Sciences Research Division. TMDU comprises four faculties (Medicine, Dentistry, Health Care Sciences and Oral Health Care Sciences), an undergraduate College of Liberal Arts and Sciences, two research institutes (the Institute of Biomaterials and Bioengineering and the Medical Research Institute), a university hospital attached to the Faculty of Medicine, a university hospital attached to the Faculty of Dentistry, and a school for dental technologists.

At TMDU we strive to produce scientists who expend

every possible effort in seeking the truth, and who have the courage and ability to explore new areas, the tolerance and humility to respect diversity and accept new ideas, and the intellectual curiosity born of a broad education. These qualities are necessary for successfully engaging in clinical practice or research, and, indeed, are required for the future of mankind. Meeting the challenging standards expected of a TMDU student will lead you to a satisfying and fulfilling scientific career, one that will completely reward the hard work you will invest in your studies.

Through our mission, “Cultivating Professionals with Knowledge and Humanity,” TMDU manifests the three following educational philosophies:

1 To provide students with a broad education and a rich sensibility

In the Discourses of Confucius we can find the statement, “A scholar is not a vessel.” In this context a “vessel” is a device with a single or specific purpose. In other words, a scholar is not merely a specialist who has been trained for one purpose. Instead, a scholar is one who has broad knowledge, wide experience, and rich sensibility. Health care providers should not impose artificial limits on themselves.

As a further example, when one of Confucius's disciples asked, “Is there any single word which can be a guide to conduct throughout one's life?” the great thinker responded, “It is perhaps the word 'shu.' Do not impose on others what you do not desire for yourself.” Confucius meant that one had to be true to oneself while, at the same time, having the intellectual sympathy to be considerate of other people. The concept of “intellectual sympathy” is very important here, as it means that the sympathy is not merely composed of kindness or pity, but is rather a refined sympathy that is based on a broad education. The ability to provide intellectual sympathy is the mark of a true health care professional.

Certainly, as health care providers, we treat our patients to the utmost of our abilities. Our work, by itself, thus brings some sense of satisfaction. However, the satisfaction we get from our work itself may be nothing more than self-satisfaction. It is not possible for us to fulfill our responsibilities by merely doing our best. We can only experience a real sense of fulfillment when we hear appropriate words of appreciation, such as “Thank you very much,” from a patient or a member of a patient's family.

Thus, those who engage in the medical professions should continuously refine their philosophical nature by paying special attention to the concepts of aging and death, subjects which are conventionally explored by philosophers. As emerging trends in medicine such as regenerative treatment and genetic treatment attract the attention of practicing physicians and dentists, the making of ethical decisions is becoming increasingly important. To prepare our students to make such decisions, we thus offer a broad education in liberal arts with the aim of learning to think critically and the cultivation of a deep insight into human nature.

2 To educate creative people capable of diagnosing and solving problems independently

Those in the health care professions must accumulate sufficient knowledge and techniques in order to have the ability to discover and solve problems. Our educational process is thus rigorous, as a well-prepared professional will always have knowledge and techniques in reserve. In addition, the ideal health care provider will always have health and energy in reserve so that continuous efforts in independent problem discovery and resolution are possible. The Master said, in the Discourses of Confucius, “If one learns from others but does not think, one will be bewildered. If, on the other hand, one thinks but does not learn from others, one will be in peril.” When you pursue academic training, try to learn as many things as possible. Endeavor to thoroughly digest what you have learned, and then make efforts to apply what you have learned to solve problems around you. If you can do all these things, you will be able to understand the spirit of the Discourses. In

short, as a person who pursues science, you must build your character to the point where you will be able to identify and solve problems independently.

Regardless of how much knowledge and information you acquire, unless you think about how it can be utilized in your life, that hard-won knowledge and information may turn out to be useless. At the other extreme, if you base your judgment only on cold reasoning, you may become self-righteous and make mistakes due to hubris or narrowmindedness. The teachings of Confucius are echoed in the critical philosophy of Kant, who said that knowledge can start with experience, but without the use of thoughtful reflection, knowledge may become blind. I thus expect you to appreciate the utility of each subject presented to you in class, to learn to identify problems and ask questions, and to then formulate your own thought process to discover and evaluate solutions to the problems.

3 To train medical professionals with a rich international quality

Society expects graduates of our university to take international leadership in clinical work and research. We thus give our students the opportunity to acquire a broad education and the ability to produce work that is bound to Japanese spiritual culture and which has an international outlook.

In the Faculty of Medicine, 40 students to date have had clinical clerkships at Harvard University. A similar curriculum is being implemented by the Faculty of Dentistry. These programs were not designed to rely on or duplicate overseas educational

systems, but rather to help us enrich our own educational systems and contribute to the systems at our partner institutions.

In addition, students who have acquired high grades and who have demonstrated an exemplary ability to learn are eligible for a scholarship to study overseas. I would hope that each TMDU student zealously pursues this opportunity to gain knowledge and experience in a different culture.

Self-improvement

How wonderful it is that the more you review what you have learned, the deeper you understand it! Also, how joyful it is to discuss what you have been doing with friends who visit from afar! Even so, if other people do not understand you, do not get upset. It is natural for a scholar to not always be understood at first.

By learning received wisdom from books and those who have mastered their arts, and constantly repeating what you have learned, naturally you'll be ready to learn from your experiences. This may lead you to having confidence in what you can do, being able to challenge accepted wisdom and to embrace new findings. How enjoyable a state to be in! This is what learning should be. If you succeed in training yourself in this manner, friends and followers will come to visit you from afar. It would be incredibly wonderful to be in such a position, wouldn't

it? From your discussions with your visitors, from everyone present sharing their truths, you will wake to a completely new understanding of the world. How wonderful! Until you reach this point it is not possible to understand the true meaning of “Even though others may not understand you, do not get upset about it.” According to Confucius, once you reach such a confident level of knowledge you do not easily get upset with others or blame them for not understanding you, but instead behave accordingly and appropriately, despite their lack of recognition for what you have attained. Isn't this how an ideal medical professional must act? No matter what other people might think of you or say about you, you can follow what you believe is right and do what you must do, all the way through.

Brief History

Oct. 12,1928	Tokyo National School of Dentistry was founded.	Apr. 1970	Health Service Center was established.	Apr. 2001	Graduate School of Health Care Sciences was established.
Apr. 1944	Tokyo Medical and Dental College was established.	Apr. 1972	Animal Research Center was established.	Apr. 2002	Center for Education Research in Medicine and Dentistry was established.
Aug. 1946	Tokyo Medical and Dental University (The Former System) was established. University Library was established.	Sep. 1973	Medical Research Institute was established.	Apr. 2003	School of Biomedical Science was established. Biomedical Science PhD Program was established. Research Center for Frontier Life Science was established.
Jun. 1949	University Hospital, Faculty of Medicine and Faculty of Dentistry were established.	Apr. 1989	School of Allied Health Sciences was established.	Sep. 2003	Intellectual Property Division was established.
Apr. 1951	Tokyo Medical and Dental University (The New system), Faculty of Medicine and Faculty of Dentistry were established. Research Institute for Dental Materials was established. School of Nursing was established.(abolished in Mar.1991) School for Dental Hygienists was established.	May. 1989	Laboratory for Biomedical Analysis was established. (abolished in May.1996)	Apr. 2004	In accordance with the National University Corporation Law, National University Corporation Tokyo Medical and Dental University was established. School of Oral Health Care Sciences was established.
Apr. 1952	School for Dental Technicians was established.	Mar. 1991	School of Nurse and School of Medical Technology were abolished.	Mar. 2005	School for Dental Hygienists was abolished.
Apr. 1955	Medical Research Division was established. Dental Research Division was established. Premedical and Predental Course was established. in Faculty of Humanities and Sciences, University of Chiba. (abolished in Mar.1958)	Apr. 1993	Medical Research Division (Health Care Sciences) was established. Human Gene Sciences Center was established.	Apr. 2007	Center for Brain Integration Research was established.
Apr. 1958	Premedical and Predental Course was established at Kounodai Annex.	Jan. 1995	Information Center for Medical Sciences was established.	Apr. 2009	International Exchange Center was established.
Apr. 1962	School of Medical Technology was established. (abolished in Mar.1975)	May. 1996	Instrumental Analysis Research Center for Life Science was established.	Dec. 2009	Student Center was established.
Apr. 1965	College of Liberal Arts and Sciences was established.	Apr. 1998	General Isotope Center was established.	Apr. 2010	Institute for Library and Media Information Technology was established. Research Center for Medical and Dental Sciences was established. Center for Experimental Animal was established. Center for Interprofessional Education was established. The Life Science and Bioethics Research Center became a permanent institution.
Apr. 1966	Research Institute for Dental Materials renamed Institute for Medical and Dental Engineering.	Apr. 1999	Graduate School was established. Institute of Biomaterials and Bioengineering was established.		
		Apr. 2000	Graduate School of Medical and Dental Sciences was established. Graduate School of Allied Health Sciences was established. International Student Center was established. (abolished in Mar.2009)		

Principals and Presidents

Tokyo National School of Dentistry	Shimamine Toru	Oct.13,1928 - Mar.31,1944
Tokyo Medical and Dental College	Shimamine Toru	Apr.1,1944 - Feb.9,1945
Tokyo Medical and Dental College	Nagao Masaru	Feb.10,1945 - Feb.19,1945 -
Tokyo Medical and Dental College	Nagao Masaru	Feb.20,1945 - Mar.31,1950
Tokyo Medical and Dental University	Nagao Masaru	Aug.27,1946 - Oct.4,1946
Tokyo Medical and Dental University (The Former System)	Nagao Masaru	Oct.5,1946 - Mar.31,1951
Tokyo Medical and Dental University (The New System)	Nagao Masaru	Apr.1,1951 - Jun.30,1961
	Okada Masahiro	Jul.1,1961 - Feb.29,1968
Tokyo Medical and Dental University	Ota Keizo	Mar.1,1968 - Mar.15,1968
Tokyo Medical and Dental University	Ota Keizo	Mar.16,1968 - Oct.8,1969
Tokyo Medical and Dental University	Shimizu Fumihiko	Oct.9,1969 - Sep.17,1970
Tokyo Medical and Dental University	Shimizu Fumihiko	Sep.18,1970 - Sep.17,1974
	Katsuki Yasuji	Sep.18,1974 - Jul.31,1977
	Yoshida Hisashi	Aug.1,1977 - Jul.31,1985
	Kano Rokuro	Aug.1,1985 - Jul.31,1991
	Yamamoto Hajime	Aug.1,1991 - Jul.31,1995
	Suzuki Akio	Aug.1,1995 - Mar.31,2004
National University Corporation Tokyo Medical and Dental University	Suzuki Akio	Apr.1,2004 - Mar.31,2008
	Ohyama Takashi	Apr.1,2008 -

Management Structure

Board of Governors



Board of Trustees

Vote on important items

President	Ohyama Takashi	Trustee (Education)	Suda Hideaki
Trustee (Planning/International Exchange)	Sasaki Sei	Trustee (Research)	Morita Ikuo
Trustee (General Affairs/Finance/Facilities)	Tanimoto Masao	Trustee (Medical and Dental Treatments)	Yoshizawa Yasuyuki

Administrative Council

Deliberate on management issues

【Internal Committee】		【External Committee】	
President	Ohyama Takash	Chief Executive Officer, Quantum Leaps Corporation	Idei Nobuyuki
Trustee (Planning/International Exchange)	Sasaki Sei	Chairperson, Society for the Promotion of the University of the Air	Inoue Takayoshi
Trustee (General Affairs/Finance/Facilities)	Tanimoto Masao	Dean, Faculty of Health Science Technology Bunkyo Gakuin University, Professor Emeritus	Koike Morio
Trustee (Education)	Suda Hideaki	Aioi Insurance Co., Ltd, Special Adviser	Seshimo Akira
Trustee (Research)	Morita Ikuo	Director, Takahashi Orthodontic Office, Professor Emeritus	Miura Fujio
Trustee (Medical and Dental Treatments)	Yoshizawa Yasuyuki	Chairman, Board of Trustees, Editor-in-Chief, The Yomiuri Shinbun Holdings	Watanabe Tsuneo

Education and Research Council

Deliberate on educational and research issues

President	Ohyama Takashi	Director, Institute of Biomaterials and Bioengineering	Yamashita Kimihiro
Trustee (Planning/International Exchange)	Sasaki Sei	Director, Medical Research Institute	Kitajima Shigetaka
Trustee (General Affairs/Finance/Facilities)	Tanimoto Masao	Director General, Institute for Library and Media Information Technology	Kinoshita Atsuhiko
Trustee (Education)	Suda Hideaki	Director, University Hospital of Medicine	Sakamoto Tohru
Trustee (Research)	Morita Ikuo	Director, University Hospital of Dentistry	Shimada Masahiko
Trustee (Medical and Dental Treatments)	Yoshizawa Yasuyuki	Professor, Graduate School of Medical and Dental Sciences (Medical Division)	Yuasa Yasuhito
Dean, Graduate School of Medical and Dental Sciences	Ohno Kikuo	Professor, Graduate School of Medical and Dental Sciences (Dental Division)	Yamaguchi Akira
Dean, Graduate School of Health Care Sciences	Sato Kenji	Professor, Graduate School of Health Care Sciences	Inoue Tomoko
Dean, Biomedical Science Ph D Program	Kagechika Hiroyuki	Professor, College of Liberal Arts and Sciences	Kiyota Masao
Dean, Graduate School of Biomedical Science	Kagechika Hiroyuki	Professor, Institute of Biomaterials and Bioengineering	Mitsubayashi Koji
Dean, Faculty of Dentistry	Tagami Juniji	Professor, Medical Research Institute	Ishino Fumitoshi
Dean, College of Liberal Arts and Sciences	Chiba Tsukasa		

Administration Officers

President

Ohyama Takashi

Vice-Presidents

Overall Management	Ohno Kikuo
Entrance Exam	Kitamura Ken
Evaluation	Kimura Akinori
Information management	Kimura Akinori
Complaint Consultation and Student support	Taniguchi Hisashi
Public Relations	Takatani Setsuo
Industrial Collaboration	Miyasaka Nobuyuki
Media Education	Kinoshita Atsuhiko Sasaki Sei Suda Hideaki Morita Ikuo Yoshizawa Yasuyuki

Auditors

Kobayashi Toru
Takahashi Shigeki

Inspection Office

Head, Inspection Office
Suda Hideaki

Public Relations Office

Head, Public Relations Office
Takatani Setsuo

University Evaluation Office

Head, University Evaluation Office
Kimura Akinori

Trustees

Planning/International Exchange	Sasaki Sei
Education	Suda Hideaki
Research	Morita Ikuo
Medical and Dental Treatments	Yoshizawa Yasuyuki
General Affairs/Finance/Facilities	Tanimoto Masao

Associate Managing Trustees

Planning/International Exchange	Karasuyama Hajime
Education	Chiba Tsukasa
Research	Kitajima Shigetaka
Research	Mizusawa Hidehiro
Medical Treatment	Sakamoto Tohru
Dental Treatment	Shimada Masahiko

Executive Advisers to the President

Planning/International Exchange	Kawaguchi Yoko
Education	Tanaka Yujiro
Education	Omura Ken
Research	Moriyama Keiji
Entrance Exam	Azuma Miyuki
Entrance Exam	Morio Tomohiro
Evaluation	Mizutani Shuki
Evaluation	Yanagishita Masaki
Complaint Consultation and Student support	Matsuura Masato
Complaint Consultation and Student support	Eishi Yoshinobu
Public Relations	Takakuda Kazuo
Industrial Collaboration	Mizushima Noboru

Graduate School

Dean, Graduate School of Medical and Dental Sciences	Ohno Kikuo
Vice Dean, Graduate School of Medical and Dental Sciences	Tagami Junji
Dean, Graduate School of Health Care Sciences	Sato Kenji
Dean, Biomedical Science PhD Program	Kagechika Hiroyuki
Dean, Graduate School of Biomedical Science	Kagechika Hiroyuki

Faculty of Medicine

Dean, Faculty of Medicine	Ohno Kikuo
Director, School of Medicine	Shinomiya Kenichi
Director, School of Health Care Sciences	Inoue Tomoko
Director, University Hospital of Medicine	Sakamoto Tohru

Faculty of Dentistry

Dean, Faculty of Dentistry	Tagami Junji
Director, School of Dentistry	Ohya Keiichi
Director, School of Oral Health Care Sciences	Yoshimasu Hidemi
Director, University Hospital of Dentistry	Shimada Masahiko
Principal, School for Dental Technologists	Miura Hiroyuki
Director, Center for Education and Research in Oral Health Care	Takagi Yuzo

College of Liberal Arts and Sciences

Dean, College of Liberal Arts and Sciences
Chiba Tsukasa

Institute of Biomaterials and Bioengineering

Director Yamashita Kimihiro

Medical Reseach Institute

Director Kitajima Shigetaka

Institute for Library and Media Information Technology

Director General, Institute for Library and Media Information Technology	Kinoshita Atsuhiko
Director, Media Education Division	Kinoshita Atsuhiko
Director, Library	Amagasa Teruo
Director, Kounodai Branch Library	Itabashi Sakumi
Director, Information Technology Division	Takase Kozo

Center for Education Research in Medicine and Dentistry

Director Nara Nobuo

Research Center for Medical and Dental Sciences

Director Nakamura Masataka

Center for Experimental Animal

Director Kanai Masami

International Exchange Center

Director Morio Ikuko

Life Science and Bioethics Research Center

Director Yoshida Masayuki

Center for Interprofessional Education

Director Tanaka Yujiro

Health Service Center

Director Miyake Shuji

Student Center

Director Taniguchi Hisashi

Intellectual Property Division

Director, Intellectual Property Division
Miyasaka Nobuyuki

Center for Brain Integration Research

Director Mizusawa Hidehiro

Hard Tissue Genome Research Center

* Temporary center for the Hard Tissue Diseases Resarch Project

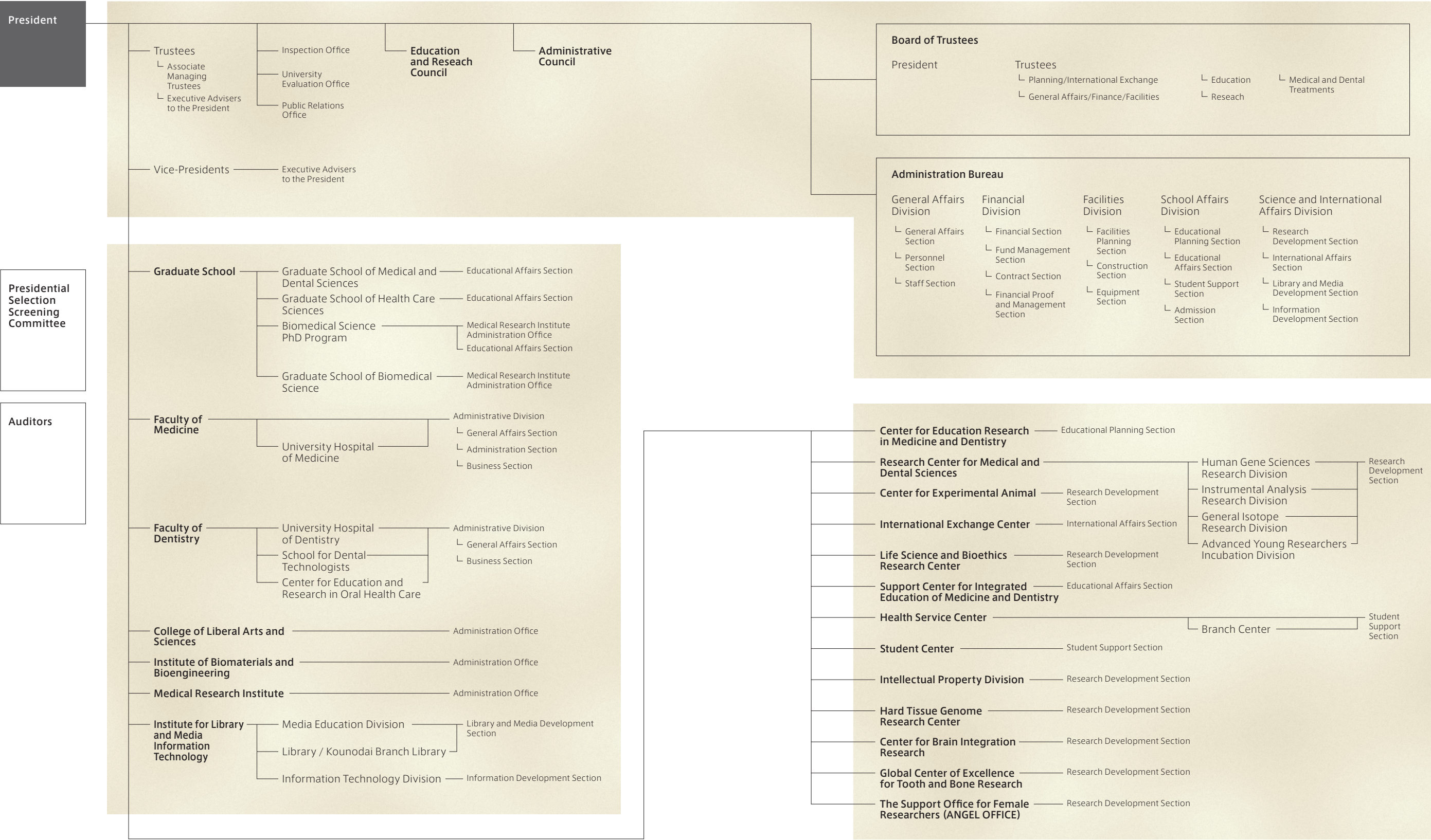
Director Inazawa Johji

Global Center of Excellence for Tooth and Bone Research

* Temporary center for the Innovating Research on International Bioethics Project

Director Noda Masaki

Organizational Chart



Graduate Schools

Graduate School of Medical and Dental Sciences

Mission Statement

In response to the needs of patients, professionals and the international community, we strive to become a global center of education and research in medicine and dentistry and to nurture world class researchers and research-oriented healthcare professionals. In our master's programs, we foster the development of professionals with an advanced knowledge of basic research in medical and dental fields. Our students gain expertise as they apply the fundamental knowledge and skills they gained in their undergraduate education to new areas, and are exposed to a wide range of knowledge and practice in medicine and dentistry. In the PhD course, we cultivate next-generation researchers in advanced biomedical science, clinically-minded researchers who integrate basic and clinical approaches to medical and dental science, interdisciplinary researchers in medicine and dentistry, and healthcare professionals who, based on a wide spectrum of knowledge, contribute to the advancement of comprehensive patient care.

Master's Program

- Medical and Dental Sciences
- Medical and Dental Sciences, Master of Medical Administration Course

Doctoral Programs

Oral Health Science

Oral Restitution

- Oral Pathology
- Bacterial Pathogenesis
- Molecular Immunology
- Oral Radiation Oncology
- Oral and Maxillofacial Surgery
- Oral and Maxillofacial Radiology
- Anesthesiology and Clinical Physiology
- Orofacial Pain Management
- Diagnostic Oral Pathology

Orofacial Development and Function

- Developmental Oral Health Sciences
- Orthodontic Science

Restorative Sciences

- Cariology and Operative Dentistry
- Fixed Prosthodontics
- Pulp Biology and Endodontics
- Advanced Biomaterials
- Organic Biomaterials
- Functional Biomaterials

Masticatory Function Rehabilitation

- Removable Prosthodontics
- Oral Implantology and Regenerative Dental Medicine
- Complete Denture Prosthodontics

Maxillofacial/Neck Reconstruction

Maxillofacial Biology

- Maxillofacial Anatomy
- Cognitive Neurobiology
- Molecular Craniofacial Embryology
- Cellular Physiological Chemistry
- Molecular Neurobiology

Maxillofacial Reconstruction and Function

- Maxillofacial Surgery
- Maxillofacial Orthognathics
- Maxillofacial Prosthetics
- Dentistry for Persons with Disabilities

Metallic Biomaterials

Biomechanics

Head and Neck Reconstruction

- Clinical Anatomy
- Plastic,Reconstructive and Cosmetic Surgery
- Head and Neck Surgery

Diagnostic Radiology and Oncology

Bio-Matrix

Hard Tissue Engineering

- Biostructural Science
- Pharmacology
- Tissue Regeneration
- Biochemistry
- Cell Signaling
- Periodontology
- Bioceramics

Molecular Regulation of Supportive Tissue

- Cell Biology
- Medical Biochemistry
- Orthopedic Surgery

Public Health

International Health Development

- Health Promotion
- Environmental Parasitology
- Forensic Medicine
- International Health
- Oral Health Promotion

Sports Medicine/Dentistry

Forensic Dentistry

Stem Cell Biology

Molecular Epidemiology

Life Sciences and Bioethics

Health Science Policies

- Health Care Management and Planning
- Health Care Economics
- Dental Education Development
- Research Development
- Health Care Informatics
- Health Policy and Management in Dentistr
- Educational System Dentistry
- Educational Media Development

Gerontology and Gerodontology

Gerodontology

Gerodontology

Aging Control Medicine

- Comprehensive Pathology
- Integrated Pulmonology
- Geriatrics and Vascular Medicine
- Esophageal and General Surgery
- Thoracic Surgery
- Rehabilitation Medicine

Comprehensive Patient Care

Comprehensive Oral Health Care

- General Dentistry
- Psychosomatic Dentistry
- Behavioral Dentistry
- Temporomandibular Joint and Occlusion

Comprehensive Diagnosis and Therapeutics

Laboratory Medicine

Critical Care Medicine

- Liaison Psychiatry and Palliative Medicine
- Pharmacokinetics and Pharmacodynamics
- Medical Education Research and Development
- Acute Critical Care and Disaster Medicine

Cognitive and Behavioral Medicine

Systems Neuroscience

- Neuroanatomy and Cellular Neurobiology
- Systems Neurophysiology
- Ophthalmology and Visual Science
- Otolaryngology
- Molecular and Cognitive Neuroscience
- Biosystem Regulation

Brain Medical Science

- Neurobiology and Cell Pharmacology
- Neurology and Neurological Science
- Psychiatry and Behavioral Sciences
- Neurosurgery
- Endovascular Surgery
- Neuropathology

Bio-Environmental Response

Infection and Bioresponse

- Immunology Allergology
- Molecular Virology
- Immunotherapeutics
- Biodefense Research
- Pathological Cell Biology

Bioregulation

- Pediatrics and Developmental Biology
- Rheumatology
- Dermatology
- Pathological Biochemistry
- Immunology
- Cellular and Environmental Biology

Systemic Organ Regulation

Digestive and Metabolic Disease

- Human Pathology
- Gastroenterology and Hepatology
- Surgical Oncology

Cardio-Pulmonary Diseases

- Physiology and Cell Biology
- Cardiovascular Medicine
- Anesthesiology
- Cardiovascular Surgery
- Bio-informational Pharmacology
- Molecular Medicine and Metabolism

Regulation of Internal Environment and Reproduction

- Nephrology
- Comprehensive Reproductive Medicine
- Urology
- Stem Cell Regulation
- Molecular Pharmacology
- Molecular Cell Biology
- Functional Genomics
- Epigenetics
- Developmental and Regenerative Biology

(Continued to next page)

Graduate Schools

Graduate School of Medical and Dental Sciences (Continued)

Advanced Therapeutic Sciences

Gene and Molecular Medicine

- Molecular Oncology
- Hematology and Oncology
- Clinical and Molecular Endocrinology
- Signal Gene Regulation
- Drug Design Chemistry
- Medicinal-Chemical Biology
- Genetic Regulation
- Bioinformatics
- Applied Genetics
- Molecular Cytogenetics
- Biochemical Genetics
- Experimental Animal Models for Human Disease

Advanced Surgical Therapeutics

- Hepato-Biliary-Pancreatic Surgery
- Thoracic Organ Replacement
- Orthopaedic and Spinal Surgery
- Investigative Radiology and Endoscopy
- Surgical Pathology
- Medical Technology
- Medical Instruments
- Artificial Organ Engineering

Endowed Departments

- Department of Pharmacovigilance
- Department of Nanomedicine
- Department of Translational Oncology
- Department for Hepatitis Control
- Department of Advanced Therapeutics for GI Diseases
- Development Division of Advanced Orthopaedic Therapeutics
- Department of Advanced Regulatory Vascular Surgery
- Department of Cartilage Regeneration
- Department of Sleep Modulatory Medicine
- Department of Pediatrics, Perinatal and Maternal Medicine
- Department of Community Pediatric Health Science
- Department of Chronic Kidney Disease

Medicine and health care techniques have become increasingly advanced, influenced by the rapid progress of molecular biology in particular. Laboratory science is no exception. The program of the Division of Biomedical Laboratory Sciences prepares students to develop accurate and highly functional clinical laboratory methodologies and biomedical support systems, including home clinical laboratory system and rehabilitation tools. The course of study is based on analysis of biomedical information from molecular and cell levels to organ and individual levels, and exploration of etiology and pathophysiological analysis.

Doctoral Program (Master's Course-Doctor's Course)

Comprehensive Health Nursing Sciences

Community Health and Home Care Nursing

- Community Health Nursing
- Home Care Nursing
- Reproductive Health Nursing
- Mental Health and Psychiatric Nursing

- Mental Health and Psychiatric Nursing
- Fundamental Nursing and Life Support
- Child and Family Nursing
- Critical and Invasive-palliated Care Nursing
- Gerontological Nursing and Health Care System
- System Management in Nursing

Health Education

- Analytical Health Science
- Occupational Health Education
- International Nursing Development

Biomedical Laboratory Sciences

Life Sciences and Bioinformatics

- Biochemistry and Biophysics
- Anatomy and Physiological Science
- Biofunctional Informatics
- Biophysical System Engineering

Moleculo-genetic Sciences

- Analytical Laboratory Chemistry
- Microbiology and Immunology
- Molecular Pathophysiology
- Laboratory Molecular Genetics
- Advanced Analytical Chemistry

Graduate School of Health Care Sciences

Mission Statement

The Graduate School of Health Care Sciences was established in 2001 April as the first national graduate school of nursing and laboratory sciences in Japan. The school comprises the Division of Comprehensive Health Nursing Sciences and the Division of Biomedical Laboratory Sciences, to manage many complex issues in health care science area in this century. In order to respond to these challenges and to assume international and multidisciplinary leadership roles, it is the primary philosophy of this school to prepare advanced professionals and leading international scholars through the development of an advanced educational research system and the promotion of clinical-oriented research activities in graduate school. As our basic philosophy, we aim for each student to be a scholar as well as an international leader and a leading advanced professional in clinical-oriented research. Students become advanced professionals who can take a leadership role in clinical fields and at the same time, international leading scholars who can solve problems in diverse clinical settings including communities. Clinical competency in nursing includes skills in such professional areas as prevention of health and related living problems, recovery of good health, rehabilitation, palliative care, advanced nursing techniques, and establishment of care systems. Clinical competency in laboratory science includes accurate clinical laboratory analysis in response to advances in

health care. By repeating a developmental cycle from clarifying clinical problems, exploring research for problem-solving, applying research outcome to practice, confirming its validity, to clarifying new research questions, focus and methods, students can acquire the foundation for international research leadership with clinical competency.

Features of Our Graduate School

The educational research divisions in the graduate school have been organized to respond to the present and future needs of society for developing nursing and laboratory sciences. There are three departments and eleven educational research divisions in comprehensive health nursing sciences. There are two departments and ten educational research divisions in biomedical laboratory sciences. The educational research divisions are composed of advanced professional programs. Health and related living problems are diverse and complicated. The program of the Division of Comprehensive Health Nursing Sciences is designed to prepare professional nurses with organizational problem-solving skills to engage in a variety of advanced nursing practices. The goal of this advanced nursing practice is to achieve individual health, greater independence of living and quality of life for clients of all ages and families from a holistic view of disease prevention, health recovery, rehabilitation, and terminal care.

Graduate Schools

Biomedical Science PhD Program

Graduate School of Biomedical Science

Mission Statement

As Japan is growing into a unique country with a low birthrate and large elderly population — post-genome research stemming from the decoded genome information and a better understanding of phenomena such as molecular structures, together with the development of the technology to control them, are expected to lower the cost burden on society as well as contribute to a higher quality of life through materialization of a healthy elderly society devoid of diseases and in which revolutionary therapies and medicines are developed and the burden on the environment is reduced. The 21st century is becoming a century of life science. Now that academic fields and social and industrial structures are changing, it is necessary to promote practical research in fusing the interdisciplinary fields related to complex disease research with leading-edge life science, and to foster human resources who have the managerial ability to realize innovations based on life science analysis and the ability to resolve practical problems. The aim of this PhD program is to nurture such human resources.

In order to conduct graduate school education that correctly meets the social needs and trends in scientific research and progress, this Graduate School promotes cooperation with various national and private research institutes staffed with superior researchers in the field of life science. Unlike the orthodox degree program education in which a student is mentored by single instructor of the area of expertise, our program allows students to be mentored by multiple instructors with various areas of research. Students are required to write a thesis (in English for the doctorate students) that is to be openly reviewed for approval. Such unorthodox education will cultivate our graduates to be true PhDs who are holders of global standards.

Since the academic year 2005, we have been making many attempts to globalize our educational program. We prepared courses taught in English, which is the international language in the world of science, enabling students from overseas to receive one of the highest levels of graduate school education and obtain the PhD degree in Japan without the knowledge of Japanese language. Upon achieving our goal of globalization, we will then move on to adopting our high-level performance internationally, strengthening cooperation and relations with global business industries, and encourage our students to form their career paths worldwide. Furthermore, we aim to form a global alliance of higher education institutes in Europe, the United States, and Asia, to share the philosophy of interdisciplinary disease science upon which we reconstruct our educational systems, and to develop international cooperation education of the Double-degree Program so as to maintain the quality of our education up with the global standards.

Biomedical Science PhD Program

Doctoral Programs (Master's Course-Doctor's Course)

Bioinformatics

Functional Biology

Graduate School of Biomedical Science

Medical Bioinformatics

Genome Diversity

Computational Biology

Proteome Informatics

Disease Information Management

Genome Informatics

Applied Structural Biology

Structural Biology

Organic and Medicinal Chemistry

Medicinal Chemistry

Functional Biology

Gene Expression

Molecular Neuroscience

Immunology

Biosystem Modeling

Cell Biology

Immune Recognition

Development and Regenerative Medicine

Endowed Departments

Department of Medical Omics Informatics

Faculties

Faculty of Medicine

Mission Statement

The Faculty of Medicine was established in 1951 and now consists of the School of Medicine and the School of Health Care Sciences. Subjects taught at the School of Medicine include Functional Morphology, Physiology and Pharmacology, Molecular Genetics, Infectious Immunology, Pathology, Environmental Social Medicine, Comprehensive Diagnostics, Internal Medicine, Pediatric Medicine, Neurology and Psychiatry, Surgery, Sensory Organ Sciences, Dermatology and Plastic Surgery, Female Medicine and Urology and Reproductive Medicine. School of Health Care Sciences includes two courses of Nursing Science and Medical Technology. Subjects of the former are Fundamental and Clinical Nursing and Community Health Nursing. Subjects of the latter are Laboratory Science and Laboratory Technology.

School of Medicine and School of Health Care Sciences welcome talented students who will become leaders in the medical science and treatment not only in the future Japan but also in the future world. Furthermore, we seek students of lively imagination, with deep consideration for others and with strong spirit for contribution to people's welfare. Based on three fundamentals of educational philosophy in Tokyo Medical and Dental University (TMDU), all staff in the School of Medicine concentrate on training students to obtain academic and medical knowledge, high professional skills in clinical medicine, a researcher's mind, a heart full of humanity, and excellent insights. We hope that many of our students will contribute to our and international societies.

The School of Medicine has been improving its educational curriculum for these years, introducing a tutor system in problem-based medicine, the MD-PhD course, the TMDU-Imperial College (London) Student Exchange Program and other international exchange programs, the Harvard Medical School Externship program for 8-11 selected students every year, the project semester program for learning basic research for the 4th-year students, and clinical clerkship for the 5th- and 6th year students.

The philosophy of the School of Health Care Sciences is based on sound knowledge and a high moral and ethical standard. We aspire to the development and personal training of health care professionals who possess originality and creativity in their ideas. The school offers professional education in nursing science and laboratory science based on an interdisciplinary approach. Currently running projects in the Faculty of Medicine include "Human Resource Development Plan for Cancer," which is a training program for specialists in cancer in collaboration with Graduate School, "Program to Create an Infectious Diseases Research Center" which involves extensive research of emerging and re-emerging infectious diseases at the research center (Noguchi Memorial Institute for Medical Research) in Ghana, West Africa, and "Special Funds for Education and Research" which offers students medical education that meets the highest global standards.

School of Medicine

Subjects

Functional Morphology

Physiology and Pharmacology

Molecular Genetics

Infectious Immunology

Pathology

Surgery

Sensory Organ Sciences

Dermatology and Plastic Surgery

Female Medicine

Urology and Reproductive Medicine

Environment Social Medicine

Comprehensive Diagnostics

Internal Medicine

Pediatric Medicine

Neurology and Psychiatry

School of Health Care Sciences

Nursing Science

Subjects

Fundamental and Clinical Nursing

Community Health Nursing

Medical Technology

Subjects

Laboratory Science

Laboratory Technology

Faculties

Faculty of Dentistry

School of Dentistry

Mission Statement

The educational philosophy at the School of Dentistry is primarily to foster dentists who can promote and maintain health of the people by faithfully providing comprehensive dental care and can contribute to the development of dental medicine and service from a global perspective. We deem it our mission to educate dental students who have attained the following goals at the time of graduation:

1. Acquire a broad range of general knowledge and have wide experience to become a dentist with a rich sense of humanity
2. Understand scientific principles and concepts and acquire knowledge in bioscience
3. Have an inquiring mind to enable them to find out problems themselves and the solutions thereof
4. Acquire knowledge and basic skills necessary for the prevention, diagnosis and treatment of diseases in the oral and maxillofacial regions based on the understanding of normal and pathologic general conditions
5. Fully understand the importance of the role of dental medicine and dental care in society

Subjects

Oral and Maxillofacial Structure	Periodontology
Oral and Maxillofacial Function	Oral and Maxillofacial Surgery
Oral Pathology and Pathophysiology	Prosthodontics
Oral and Maxillofacial Bioengineering	Gerodontology
Oral Public Health and Ethics in Dentistry	Orofacial Development and Function
Comprehensive Oral Health Care	Dentistry for the Disabled/Clinical Physiology
Restorative Dentistry/Cariology	

School of Oral Health Care Sciences

Mission Statement

The educational philosophy of the School of Oral Health Care Sciences is to nurture future leaders who have rich and warm humanity and contribute to society by bringing forth healthy happy life to people, based on knowledge and technology of oral health care sciences and welfare. Our graduates will

1. Understand the dignity of the life and scientific principles and concepts and acquire knowledge in bioscience.
2. Respect fundamental human rights and acquire the ability to associate with people who understand the way other people feel and behave.
3. Understand the role and the importance of oral health care sciences and welfare in the society.
4. Understand various conditions of mind and body and learn knowledge and technology about oral health care sciences.
5. Acquire an inquiring mind and problem solution ability and have the will to pursue lifelong learning.
6. Acquire the ability to act as a specialists of health, medical treatment and welfare.
7. Learn the ability to contribute internationally from the point of view of oral health care sciences.

Fundamental Oral Health Care Sciences	Lifetime Oral Health Care Sciences
Oral and Maxillofacial Biology	Pediatric Oral Health Care Science
Fundamental Oral Health Care Science	Adult Oral Health Care Science
	Geriatric Oral Health Care Science
Oral Health Care Promotion	Community Oral Health Care Science
Oral Health Care Education	Community Oral Health Care Science
Preventive Oral Health Care Science	

Affiliated Educational and Research Facilities

School for Dental Technologists	Center for Education and Research in Oral Health Care
Provide high level technology to Dental Technologists	Investigation of supply and demand of oral health care in communities

College of Liberal Arts and Sciences

Mission Statement

The College of Liberal Arts and Sciences provides a liberal arts environment for all students matriculated at Tokyo Medical and Dental University. Our curriculum combines liberal arts education and general education to provide a strong foundation for the next generation of doctors, dentists, nurses, medical technicians, and oral hygienists.

Our focus on liberal arts is designed to provide the students with knowledge - and more importantly - an appreciation of history, culture, philosophy and ethics. Our focus on general education ensures our students have basic knowledge of a wide range of subjects. The two combined foci of liberal arts education and general education take intelligent students and guide them down a path that results in talented and capable health professionals who will make a substantial contribution in the future.

Our aims for our students and the abilities and skills they are to attain are as follows. To develop civic-minded professionals who will be able to participate in the global society: They must understand what it means to be a citizen in society, and act upon what they have learned. To do so, they need to learn about ethical norms and laws, and to respect and advance them. They also need to become aware of the global society in addition to their local societies, and become "citizens of the world" who can think and act on a global scale.

To develop scientific and analytical minds:
Social sciences and natural sciences have different methodologies, but in the end both aim to understand nature and the people living in it. As future professionals, it is important to become aware of the characteristics of each discipline and to apply this knowledge in research and problem-solving.

To develop techniques and skills required for successful communication:
Be it vocal, written, or visual, all communication requires skill. Nonverbal body language is also important. Moreover, it is necessary to sift through a wealth of acquired information, and be able to identify and retain what is valid, interpreting it correctly. As communicators, they must pare down information and structure it into an understandable form and order, which is a preliminary step to structuring the information as facts, figures, and composition which will be an understandable and cohesive message that they can successfully convey to their intended audience. To provide a strong foundation for underlying future study:

Both medicine and dentistry are based upon a basic knowledge of natural sciences, logical and scientific thinking, and problem-solving skills. Through lectures and laboratory work in mathematics, physics, chemistry, and biology, our students will acquire these skills.

Subjects

Philosophy
History
Literature
Statistics
Sociology
Mathematics
Physics
Chemistry
Biology
English
German
French
Health Science and Physical Education

Institute of Biomaterials and Bioengineering

Mission Statement

The Institute of Biomaterials and Bioengineering (IBB) was originally established as the Research Institute of Dental Materials with the aim of developing innovative dental devices and materials in 1951. Through the reorganization into the Institute for Medical and Dental Engineering in 1966, the Institute expanded into the present IBB with 3 large divisions consisting of 13 departments in 1999. Since its establishment, the IBB has been contributing to the development of biomaterials and medical devices as an international forerunner through the harmonizing of engineering and technological science with medical and dental sciences.

The IBB has put forward the following 3 objectives in order to expand and deepen the basic science for biomaterials and bioengineering since April in 2004, when Tokyo Medical and Dental University restarted as a national university cooperative, leading to the development of applied science and technologies for the advanced medicine and dentistry.

- (A) An inquiry into the Nano-Bioscience for Advanced Medicine and Dentistry
- (B) The creation of Bio-Inspired Biomaterials for New Clinical Applications
- (C) The development of Bio-System Engineering for Advanced Medical and Dental Devices

Despite the drastically changing circumstances around universities in Japan, the IBB has been continuously forwarding the roles for an international center of excellence of biomaterials and bioengineering.

Biofunctional Molecules

- Medicinal Chemistry
- Molecular Design
- Applied Functional Molecules
- Biosensors

Division of Biomaterials

- Metals
- Inorganic Materials
- Organic Materials
- Biomaterials Mechanic

Division of Biosystems

- Biodesign
- Biomedical Information
- Biomedical Devices and Instrumentation
- Biosystem Regulation
- Artificial Organs

Medical Research Institute

Mission Statement

Our research focus is to tackle issues in medical science with the hope of contributing to the development of measures for patients who are suffering from intractable diseases. These disorders include metabolic, neurological, psychiatric, cardiovascular, loco-motor, immunological, genetic, infectious and neoplastic diseases. The patho-physiological bases of these diseases should be understood on the bases of molecular analyses of the mal-function and impaired regulation of homeostasis.

State-of-the-art science on the cellular and molecular mechanisms operating in the life of basic organism as well as human has been sought vigorously in our institute and this activity has been continuously expanding in these years. This is reflected in our record of recent publications as well as the amounts of major grants obtained in the field of medical science including the participation of many staff members of our institute in the 21st Century COE program of our university. The strength of Medical Research Institute also lies on the close tie with its newly commenced graduate school system. The number of young investigators in our institute has increased significantly and the new educational system has been attracting attention of the medical science society.

The activity of our institute has been international. We have established scientific ties with a number of overseas universities and institutions such as Harvard University.. In addition to the various international collaborations in our research activities, we have been accepting many visitors worldwide including scientists from major institutes. International symposiums and seminars have been constantly held to provide cutting edge knowledge in medical science but also opportunities to establish relationship among young scientists and world top class investigators. As Medical Research Institute is growing in a number of respects as a young institution in the field of molecular medical science, we are welcoming everyone who is interested in joining us in our endeavor to seek for the clues to cure patients with intractable diseases in the future by unraveling the great mystery of nature.

Advanced Molecular Medicine

- Molecular Medicine and Metabolism
- Molecular Cell Biology
- Molecular Cell Biology
- Molecular Neuroscience
- Biodefence Research
- Bioinformational Pharmacology
- Stem Cell Regulation
- Project Research Unit

Pathophysiology

- Neuropathology
- Pathological Biochemistry
- Pathological Cell Biology
- Developmental and Regenerative Biology
- Stem Cell Biology
- Immunology
- Molecular Pathogenesis
- Frontier Research Unit
- Virus Research Unit
- Project Research Unit

Medical Genomics

- Molecular Cytogenetics
- Molecular Genetics
- Molecular Epidemiology
- Biochemical Genomics
- Functional Genomics
- Epigenetics
- Bioinformatics
- Frontier Research Unit.
- Redox Response Cell Biology
- Project Research Unit

Division of Integrative Research

- Division of Biosystem Generation
- Division of Pathogenetic Regulation

Advanced Technology Laboratory

- Genome Laboratory
- Proteome Research Laboratory
- Laboratory of Recombinant Animals
- Animal Research Laboratory
- Bioresource Laboratory
- Laboratory for Structure Analysis
- Stem Cell Laboratory

Institute for Library and Media Information Technology

Department of Educational Media Development

Media Education Division

Coordinating divisions related to e-learning and multimedia education

Library / Kounodai Branch Library

Collection and storage of academic documents/materials
Utilization of academic information/the library facility

Mission Statement

A new role is being demanded of university libraries as academic information is becoming increasingly computerized, modes of information distribution are undergoing unprecedented transformation, and the information utilization behavior of the users is changing greatly. In particular, the following 4 functions need to be improved at future university libraries: 1) collection and storage of strategic paper documents representative of the special characteristics of the university, 2) establishment and improvement of collection and storage systems for various kinds of academic documents, 3) measures for space reduction, etc., through computerization, and 4) maintenance of basic facilities in university libraries. In accordance with these requirements, the library of this university focuses on 3 points: (1) expansion of information use services, (2) integration and systematization of on-campus information resources, and (3) a strategy for quantitative and qualitative expansion of users; and developed the following concepts:

- ˆ Expansion of information use services
- ˆ Computerization of library catalogs

a Enhancement and reexamination of electronic media

b Establishment of information outlets

c Large-scale increase in the number and versatility of reading seats

d Increase in the number of users of the medical and dental media center, and enhancement of installed equipment

(2) Integration and systematization of on-campus information resources

- ˆ Research-related materials stored in each field as research related information

a Application of e-learning systems based on automatic lecture recording systems to learning content, etc.

(3) A strategy for expanding the services offered to patrons, quantitatively and qualitatively

- ˆ Expansion of information literacy education

a Response to multi-purpose needs of users

b Creation of comfortable reading spaces

Library Holdings

Classification	Japanese Books (including periodicals)	Foreign Books (including periodicals)	Total
Library	93,182	129,538	222,720
Kounodai Branch Library	68,989	17,236	86,225
Total	162,171	146,774	308,945

(Fiscal Year2009)

Facilities

Classification	Floor Space	Seats	Stack Room	Office and Other	Total
Library	2,222㎡	343	388㎡	2,034㎡	4,644㎡
Kounodai Branch Library	280㎡	125	468㎡	285㎡	1,033㎡

Utilization

Classification	Total Days Open	Visitors	Books and Journals Checked Out
Library	359	161,879	Weekdays 9:00~22:00 Holidays 9:00~17:00 Students 11,367 Teaching Staff 2,739
Kounodai Branch Library	242	38,488	Weekdays 9:00~22:00 Holidays — Students 1,186 Teaching Staff 154

(Fiscal Year2009)

Information Technology Division

TMDU Intranet;Management and maintenance of the university's shared servers;Implementation of a new information security policy;Management and maintenance of the official university website and support of each division/section's website;Research Information Database.



Lobby of the Library (M&D Tower 3F)



Nationwide Joint Institute

Center for Education Research in Medicine and Dentistry

Research on the Model Core Curricula in Medicine and Dentistry, educational evaluation methods, and other matters regarding the improvement of the Japanese educational system for physicians and dentists.

Joint Institutes for Education and Research

Research Center for Medical and Dental Sciences

Human Gene Sciences Research Division

Research and education of disease related genes

Instrumental Analysis Research Division

Development, research and education of the technology for advanced measurement and analysis. Promotion of individual utilization of shared analytical equipments and analysis service offer.

General Isotope Research Division

Education and research on radiology and radioisotope medicine

Advanced Young Researchers Incubation Division

Promoting independent research opportunities for young researchers

Center for Experimental Animal

Analysis of diseases and studies of animal care for medical use

International Exchange Center

To integrate affairs related to the international exchange area, and to support the school's promotion of international exchange.

Life Science and Bioethics Research Center

Implementing bioethics education and supporting clinical research planning

Center for Interprofessional Education

Promoting comprehensive education for health professionals in an aging society by utilizing educational resources in the university. Compiling new undergraduate curricula in medicine and dentistry with an emphasis on a tighter integration between medicine and dentistry. Establishing a system for their effective and efficient management.

Health Service Center

Health Service Center

Improving healthcare management at the university and promoting health of the students, faculty and staff.

Student Center

Student Center

Supporting students in terms of daily life needs, education, job hunting, mental health problems and the taking of measures against various kinds of harassment.

Intellectual Property Division

Intellectual Property Division

Supporting the creation, management and utilization of intellectual property from the university.

University Hospitals

University Hospital of Medicine

University Hospital of Dentistry

Mission Statement

The University Hospital of Medicine is committed to providing excellent patient care as well as advanced medical technology to the community. The mission of the University Hospital of Dentistry includes world-class staff as well as providing excellent dental care tailored to individual patient's needs. The success of these missions requires (1) the practical training of faculty, staff, students, and trainees and (2) innovative scientific research and breakthrough discoveries. Each member of Tokyo Medical and Dental University is devoted to accomplishing our missions by delivering high quality patient care, education, and research while respecting the human spirit.

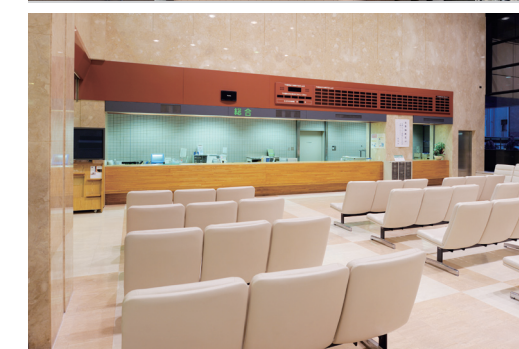
Our ultimate goal is to provide the highest quality medical care and scientific knowledge in the future, which includes:

1. To provide patients with the best possible medical care and enable them to enjoy their daily life and health to the utmost extent.
2. To reduce the likelihood of illness with the application of new findings in preventive medicine and clinical studies.
3. To improve the cure rate of illness with the swift application of new findings from clinical trials.
4. To educate medical professionals who are sensitive to society's needs.
5. To train medical professionals who can offer clinical training for students in their internship in the TMDU teaching hospitals and other affiliated hospitals.
6. To discipline medical educators and researchers with a vision for the future, who can advance medical education and practice for coming generations.

In line with these general purposes, we have a few specific aims, as follows:

1. To provide a well-organized learning environment with multiple attending teaching staff and a variety of clinical experiences for undergraduate and postgraduate education.
2. To provide patients with safe and high quality medical care.
3. To develop cooperative relations with central hospitals in the Tokyo area, as well as establishing a support system for providing significant medical contributions to the global community.
4. To conduct collaborative studies including clinical trials with other affiliated hospitals, and widen the coverage of high quality medical care.
5. To promote an effective intercollegiate research environment bringing our intellectual resources in cutting edge medical science to society.
6. To establish efficient and economical management of the hospitals with the highest medical security for the nation.

University Hospital of Medicine (Medical Building A)



University Hospital of Dentistry (Dental Building South)



Clinics

Department of Internal Medicine	Vascular Surgery	Pediatrics
Hematology	Cardiovascular Surgery	Maternal and Woman's Clinic
Rheumatology	Thoracic Surgery	Clinical Genetics Division
Endocrine, Metabolic, Diabetes	Thoracic Organ Replacement	Department of Neurology, Neurosurgery and Neuropsychiatry
Nephrology	Urology	Neurosurgery
Geriatrics	Head and Neck Surgery	Neurology
Gastroenterology and Hepatology	Department of Sensory, Motor System Medicine and Dermatology	Endovascular Surgery
Cardiovascular Medicin	Ophthalmology	Neuropsychiatry
Pulmonary Medicine	Oto-Rhino-Laryngology	Anesthesiology and Pain Clinic
Department of Surgery	Dermatology	Psychosomatic and Palliative Medicine
Esophageal and Gastric Surgery	Plastic and Aesthetic Surgery	Department of Radiology
Colorectal Surgery	Orthopedic Surgery	Diagnostic Radiology and Oncology
Hepato-Biliary-Pancreatic Surgery	Department of Pediatrics, Maternal and Woman's Clinic	
Breast Surgery		

Trauma and Acute Critical Care Medical Center

Department of Internal Medicine

Department of Pharmacy	Supply Unit	Outpatient Chemotherapy Center	ME Center
Clinical Laboratory	Maternal Fetal Medicine Division	Positron Emission Tomography Center	Center for Cell Therapy
Operating Center	Department of Pathology	Cancer Treatment Center	Department of Medical Records
Radiological Center	Department of Endoscopic Diagnosis and Therapy	Center for Medical Welfare and Support	Quality Management Section
Hospital Blood Transfusion Center	Department of Medical Informatics	Clinical Research Center	Infection Control Section
Physical Medicine Center	Department of Blood Purification	Center for Postgraduate Medical Education	
Intensive Care Unit	Department of General Medicine	Hyper Baric Medical Center	

Nursing Department

Hospital Departments

Clinics for Dentofacial Growth and Development	Clinics for Oral and Maxillofacial Rehabilitation	Dental Sleep Clinic
Orthodontics	Oral Surgery	General Dentistry I
Pediatric Dentistry	Maxillofacial Surgery	General Dentistry II
Clinics for Conservation of Oral and Maxillofacial Function	Prosthodontics	General Dentistry III
Operative Dentistry and Endodontics	Maxillofacial Prosthetics	Ambulatory Anesthesia Service
Periodontics	Sports Dentistry	Oral and Maxillofacial Radiology
Orofacial Pain Clinic	Speech Clinic	Special Care Clinic
Psychosomatic Dentistry Clinic	Dental Implant Clinic	Dysphagia Rehabilitation
Temporomandibular Joint Clinic	Clinics for General Dentistry	Fresh Breath Clinic
	Oral Diagnosis and General Dentistry	Clean Room
		Oral Health Care
		Dental Allergy

Central Clinical Facilities

Clinical Laboratory	Section of Clinical Information Management	Center for Development of Instruments and Drugs in Dentistry
Dental Laboratory	Center for Advanced Dental Clinical Education	Division of Surgical Operation
Section of Clinical Safety Management	Center for Clinical Cooperation	Dental Ward
Clean Room and Unit for Infection Control	Center for Dental Information	Section of Central Supplies

Department of Pharmacy

Department of Nursing

Department of Dental Hygiene

Global COE Program

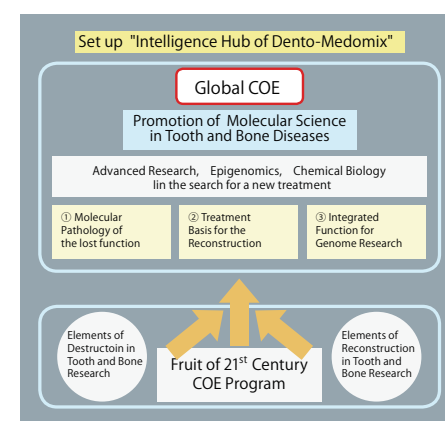
International Research Center for Molecular Science in Tooth and Bone Diseases

Program Leader: Masaki NODA, MD, PhD (Professor, Medical Research Institute)

Tokyo Medical and Dental University is a distinguished institute and known as a world center for the study of "tooth" and "bone" diseases. The purpose of this Global COE (GCOE) program is to form a world-top class research center in the field of tooth and bone diseases. This program is a new development as well as succession of previous 21st century COE (21COE) program. We will promote our cutting-edge studies on tooth and bone diseases and form a unique international educational research center. Our GCOE program will nurture young researchers of the next generation who will work globally on molecular science in "tooth" and "bone" diseases. This is critical for the future welfare of all human beings and is of particular importance in Japan, the world's fastest aging society.

In modern developed countries, maintenance of not only life expectancy, but also "healthy life expectancy" is an important issue, and "tooth" and "bone" diseases are major problems that need to be urgently addressed in this regard. In the 21st century COE program, this center has made a remarkable accomplishment in clarification of the mechanism of loss of tooth and bone and in discovery of novel methods for tooth and bone reconstruction by finding "key elements" of the regulatory systems in the function of osteoclasts and osteoblasts and those in initiation for clinical medicine. However, identification of individual discoveries and accomplishments alone is not enough to understand the mechanisms of the comprehensive pathology

and onset of the diseases. Thus, in the Global COE program, such achievements of basic studies and those of clinical research established in the previous 21st Century COE program will be integrated and developed into three areas including (1) elucidation of basic molecular mechanisms in pathology of the diseases leading to loss of tooth and bone, (2) fundamental clinical research for diagnosis and therapeutic treatments and also (3) advancement of functional genomic studies on tooth and bone diseases based on genomic and epigenetic science. Through the research into these three areas, this center will aim to become the highest standard organization in the world in terms of integrated research on molecular science for tooth and bone diseases. Moreover, we will further develop an international research network. Through this, we will establish an intelligence hub that will create innovative science and lead the research in this field to provide cutting edge information worldwide.



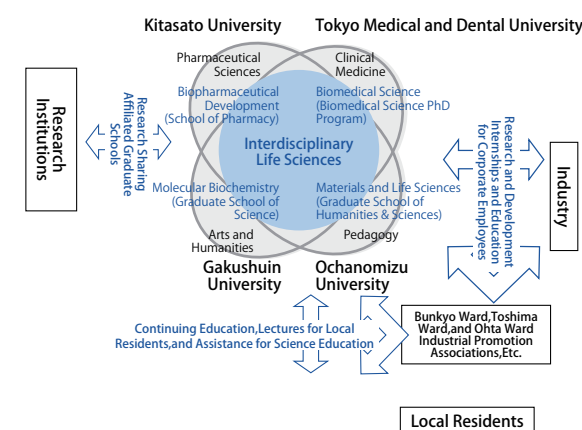
The Strategic University Collaboration and Assistance Program for the Enrichment of University Education

Establishment of a Hub for Cultivating Well-Rounded Graduate Talent via the Tokyo Interdisciplinary Life Sciences Consortium

Principal Investigator: Hiroshi TANAKA, MD, PhD (Professor, Graduate School of Biomedical Science)

The field of interdisciplinary life sciences in Tokyo Medical and Dental University, Ochanomizu University, Gakushuin University and Kitasato University is at the core of efforts to establish a network linking industry, government, academia, and the community. They will do so by expanding upon the connections among various research institutions, corporations, and government bodies in the Tokyo Metropolitan Area. In addition, by continuing to form links with community networks they will build an interdisciplinary environment for research and education which transcends the public/private framework and is based on collaboration with the community. They will produce wide-ranging scholarship in order to

cultivate talent capable of understanding and addressing real-world societal needs.

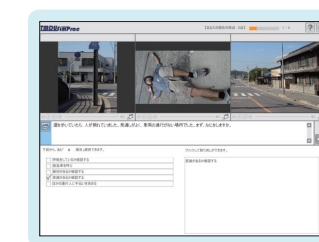


Program for Promoting University Education and Student Support Theme A: Program for Promoting University Education Reform

Progress of the Computer Assisted Simulation for Medical and Dental Practice Training.

Principal Investigator: Atsuhiko KINOSHITA, DDS, PhD (Director General, Institute for Library and Media Information Technology)

The aim of this program is to develop the education system to a more common system which will be useful and effective for the students in all schools in health professional fields, and utilized from anywhere at any time. We also develop the common materials which is commonly useful and effective in all fields of the health professionals such as first aid cases, emergency medical care, hygiene management, and so on. Moreover, we also develop the simulation materials which expose the students to the other health professionals' way of clinical inference, decision-making, problem solving.



Students are exposed to the cases which must be experienced in the all health professionals.



The Plan of the Construction of the Career System of Nurses

Development of "The Nursing IKASHIKA Career Path" ~ by Methods of Mentoring and PBL~

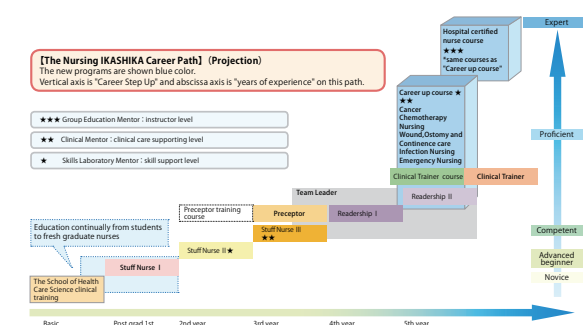
Principal Investigator: Tomoko KOMUTA (Director of Nursing, University Hospital of Medicine)

This project is a new business of Ministry of Education, Culture, Sports, Science and Technology for the purpose of the construction of the career system of nurses and the university hospital of Department of Nursing and the School of Health Care Science cooperate and develop the clinical training methods and systems and aim at improving efficient and continual expertise by improving the education level of nurses and the basic education courses.

In this plan, it aims at helping each person accomplishment of their goals with making and proceeding original "The Nursing IKASHIKA Career Path" to support the career formation systematically and effectively and adapting methods of Mentoring and PBL (problem based learning). This career path is a coherent supporting system based on developing model for nurses from a student to reach an expert, and the clear arrival target is shown in each stage. By this practical use, it is possible to estimate students or staff and grasp the ability of career of the

whole hospital and every unit.

Specifically, as shown in the following figure, there are three stages centered on basic education to Staff Nurse I, Staff Nurse II to Leadership II and career development course / Mentoring education is adapted in this path.



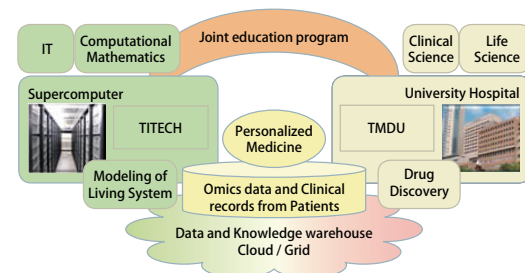
Program for Enhancing Systematic Education in Graduate Schools

TITECH-TMDU Joint Education Program for Biomedical Bioinformatics

Leader: Hiroyuki KAGECHIKA, PhD (Dean, Biomedical Science PhD Program)

Tokyo Institute of Technology (TITECH) and TMDU have jointly started an education program aiming for production of human resources with double-major minds and skills who can solve up-to-date biomedical issues with leading-edge computational technologies in personal genomics era. This program succeeds to the achievements of university alliances among TMDU, TITECH, Hitotsubashi University, and Tokyo University of Foreign Studies since 2001. This program provides an opportunity for faculties and students studying different fields to work together in order to develop advanced biomedical technologies that enable a healthy society without diseases. TMDU students shall learn by TITECH faculties about computational theory

and skills to analyze and interpret the next generation sequence data by themselves. The faculties of both TMDU and TITECH together shall educate a TMDU student for a new leader to promote personalized medicine based on massive genomics information.



Human Resource Development Plan for Cancer

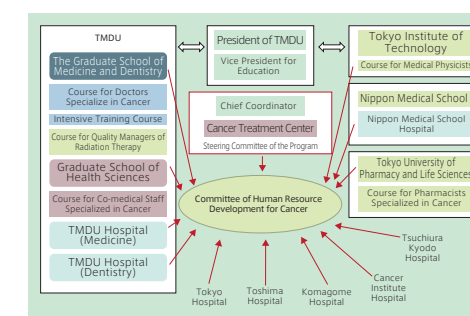
Training Program for Specialists in Cancer

Principal Investigator: Kikuo OHNO, MD, PhD (Dean, Graduate School of Medical and Dental Sciences)

The unique aspect of this program is a network where various medical and educational institutions work together with the Cancer Treatment Center, which coordinates the whole program. The Graduate School of Medicine and Dentistry, Graduate School of Health Sciences, TMDU Hospitals, Nippon Medical School, Tokyo Institute of Technology, Tokyo University of Pharmacy and Life Sciences, Tokyo Metropolitan Komagome Hospital, the Cancer Institute Hospital, Tokyo Metropolitan Toshima Hospital, and Tsuchiura Kyodo Hospital are taking part in this program.

This training program has three courses. The first one is a training course for doctors, which is divided into three specializations: radiation therapy, chemotherapy, and palliative therapy. The second course is designed for co-

medical staff. This course offers two educational programs: one is aimed at nurses who are specialized in nursing care for cancer patients, and the other is for medical physicists and quality managers of radiation therapy. The third is an intensive training course for specialists who are already engaged in cancer treatment.



University Hospitals Collaborative Project to Develop Advanced Medical Specialists

Development of Advanced Medical Specialists through the Province-Urban University Hospital Network

Principal Investigator: Tohru SAKAMOTO, MD, PhD (Director, University Hospital of Medicine)

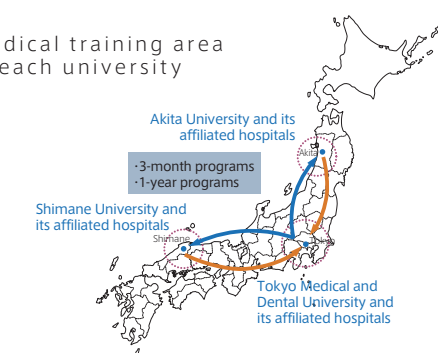
Faculties of medicine of TMDU, Akita University, and Shimane University have produced numerous medical doctors who assume leading roles in community healthcare. This has been achieved through full coordination among a university hospital as an advanced medical institution and its affiliated hospitals in each region.

These three university hospitals already started an interuniversity training program for post-graduate clinicians in 2007. We have extended this program, implementing new training programs for medical specialists and general practitioners.

The participants in these programs can choose (i) a three-month program or (ii) a one-year program to acquire extra merit as a specialist or a general practitioner. These three universities have

graduate schools and admit working people as well. If participants wish to follow their academic interest in the fields they experience during their intern training, they can go to the appropriate graduate school to pursue their interest and get a degree.

■ Medical training area in each university



Special Coordination Funds for Promoting Science and Technology

International Collaboration for Development of a New Drug Against Avian Influenza (JST)

Principal Investigator: Masatoshi HAGIWARA, MD, PhD (Professor, Graduate School of Biomedical Science)

Avian influenza virus is an influenza A virus of H5N1 subtype that occurs mainly in birds, is highly contagious among birds, and can be deadly to them. H5N1 virus does not usually infect people, but infections with these viruses have occurred in humans. More than 100 people died in Vietnam with H5N1 infection, and Vietnam and Indonesia are the most infected areas of H5N1 in the world. Hagiwara's group in Tokyo Medical and Dental University in Japan recently identified a protein kinase which is required for RNA virus proliferation and found synthetic chemical inhibitors of the kinase can suppress proliferation of several RNA viruses including the influenza virus. Therefore, we will develop a new anti-virus drug for patients who suffer avian influenza in

cooperation of Vietnam and Japanese scientists. Through the international cooperation, we will accelerate the drug development, transfer the knowledge and technology required for pharmaceutical industries from Japan to Vietnam, and produce scientists who can develop new drugs with original ideas and technology in Vietnam.



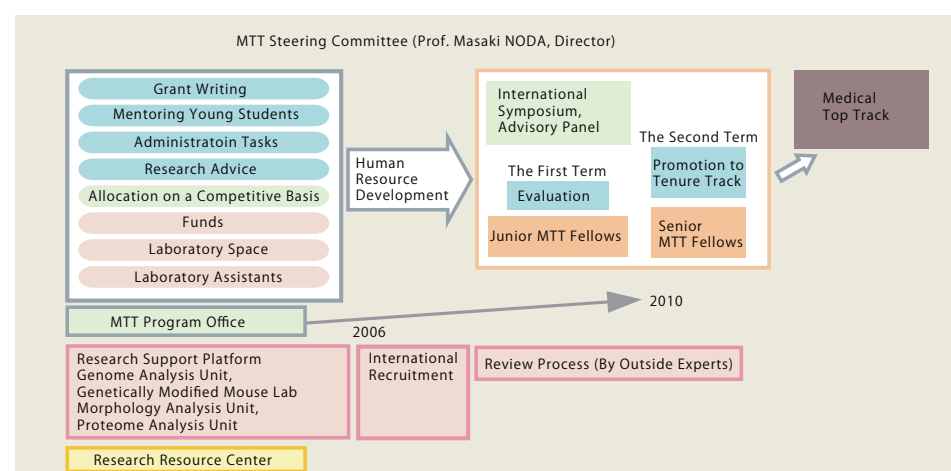
Hanoi Medical University

Medical Top Track (MTT) Program

Principal Investigator: Shigetaka KITAJIMA, MD, PhD (Director, Medical Research Institute)

The Medical Top Track (MTT) program is designed to establish a system where we nurture young investigators in medical science. Within this program we will recruit MTT Fellows based on a competitive application process. MTT Fellows will be provided (on a competitive basis) with (1) funds to start the fellowship, (2) laboratory space, and (3) postdoctoral laboratory as-

stants to help them. While continuing to engage in their research they can have opportunities to participate in a wide range of experiences, which will be required to become future leading scientists. The Senior MTT Fellows who have produced outstanding achievements can be promoted to a tenure track faculty position at our institute or outside our university.



Innovative Support for Female Researchers

Principal Investigator: Takashi OHYAMA, DDS, PhD (President)

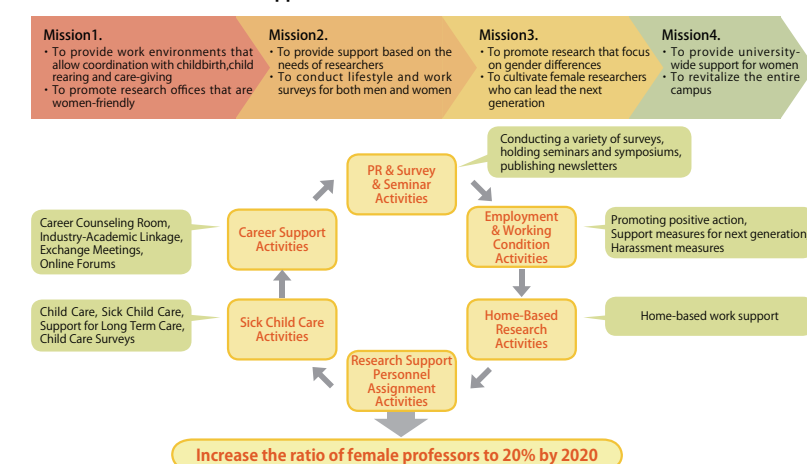
The activities concerning "Innovative Support for Female Researchers" that we adopted in FY2008 were developed using Special Coordination Funds for Promoting Science and Technology provided by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) under the heading "Support Model Activities for Female Researchers" and are now in their second year.

Starting from this fiscal year, we intend to extend the scope of these activities to include the entire school by widening their application to the Graduate School of Medical and Dental Studies (including the Faculty of Medicine and the Faculty of Dentistry) in addition to the three departments covered in the previous fiscal year (Graduate School of Biomedical Science, the Medical Research Institute and the Institute of Biomaterials and Bioengineering). As our agenda is to involve the entire university, the deans for the Faculty of Medicine and Faculty of Dentistry are participating as members of the executive council. Additionally, we plan to hold a Female Researchers Support Measures Conference with representatives from each department in order to establish 11 different types of activities including: employment, working condition and evaluation activities, home-based re-

search activities, research support personnel assignment activities, child care activities, career support activities such as exchange meetings, role model training, and career counseling, awareness activities, research and enlightenment activities that form a basis for gender-specific medical studies, and PR activities. Members from the university will be assigned as leaders for each of these activities. Support Measures Committee for Female Researchers will be formed via the Support Office for Female Researchers and Support Measures Conference for Female Researchers for creating workplace environments that optimize the abilities of a diverse range of female researchers and carrying out activities based on organized cooperation between these two parties.

These activities are designed to be implemented as a model for developmental activities over a three-year period, and will serve as a challenge to determine the type of support this university is able to offer female researchers. While developing the activities into the next fiscal year (the final year for these activities), we intend to create a platform that will enable us to continue their implementation in the future.

Activities of Support Measures Committee for Female Researchers



Science and Technology Research Partnership for Sustainable Development

Studies of Anti-viral and Anti-parasitic Compounds from Selected Ghanaian Medicinal Plants

Principal Investigator: Shoji YAMAOKA, Professor of Department of Virology (Graduate School of Medical and Dental Sciences)

Summary

Tokyo Medical and Dental University (TMDU) established in 2008 the Research Center for Infectious Diseases at Noguchi Memorial Institute for Medical Research (NMIMR) in Ghana, West Africa, dispatched two researchers to NMIMR and implemented research collaborations on virology and parasitology. We are now starting new research projects, supported by the Japan Science and Technology Agency (JST) and Japan International Cooperation Agency (JICA), on Ghanaian medicinal plants whose components are effective in the control of viral or parasitic infections. Based on request from the Ghanaian side, the research collaborations have been planned by the groups of Prof. Yamaoka (Virology, TMDU), Prof.

Kannagi (Virology, TMDU), Prof. Ohta (Parasitology, TMDU), Prof. Shoyama (Pharmacology, Nagasaki International University), Prof. Nyarko (Toxicology, NMIMR) and Prof. Okine (Biochemistry, Centre for Scientific Research into Plant Medicine).



Meeting at NMIMR.

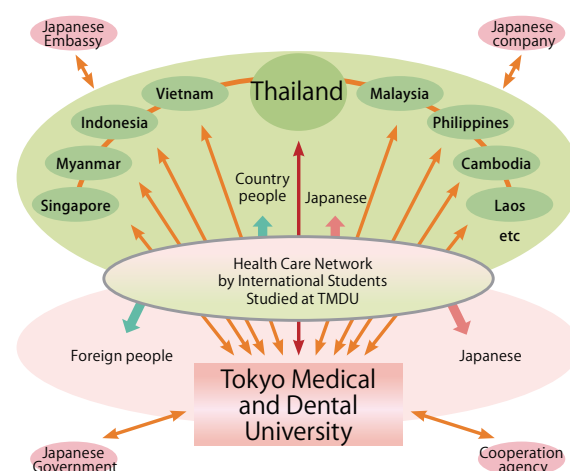
Exchange Program for East Asian Young Researchers

Young Researchers' Project in Medicine and Dentistry - Establishing a Network of Health Care Professionals in Southeast Asia -

Principal Investigator: Junji TAGAMI, DDS, PhD (Dean, Faculty of Dentistry)

The goal of the project is to improve young researchers' knowledge and ability in the field of medicine and dentistry for the purpose of establishing a network of health care professionals in Southeast Asia.

The participants for the project were mainly previous international students who studied at Tokyo Medical and Dental University (TMDU) and received PhD degree within the previous 6 years. They are now academic staff at Chulalongkorn University, Mahidol University, Chiang Mai University, Prince Songkla University, Khon Kaen University and Naresuan University in Thailand. These universities have academic affiliation agreements with TMDU.



JSPS A3 Foresight Program

Epigenetic Signatures in Gastric Carcinogenesis

Principal Investigator: Yasuhito YUASA, Professor, Graduate School of Medical and Dental Sciences
Deng Dajun, Professor and Director, Department of Aetiology, Peking University School of Oncology, China
Kim Woo Ho, Professor, Department of Pathology, Seoul National University College of Medicine, Korea

Based on an agreement among Japan Society for the Promotion of Science (JSPS), Korea National Research Foundation (KNRF) and the National Natural Science Foundation of China (NSFC), this program supports joint research conducted by researchers of Japan, China and Korea. The three countries (A3) work as consortium in advancing leading-edge research with an aim to establishing a top-level research hub in Asia.

The objectives of the present project are to explore the role of epigenetic pathway in gastric carcinogenesis and its application in molecular sub-typing of GC

through the collaboration of researchers of the three countries. The other important objective is to educate young researchers in the three countries.



Kickoff meeting held at TMDU in August, 2009

Japan Science and Technology Agency Project to Develop "Innovative Seeds" Supporting Program for Creating University Ventures

Development of a Disposable, Magnetically Levitated Centrifugal Blood Pump

Principal Investigator: Setsuo TAKATANI, PhD, DMed (Professor, Department of Artificial Organs, Institute of Biomaterials and Bioengineering)

This project aims to form a venture company based on a magnetically levitated (mag-lev) disposable, biocompatible centrifugal pump technology that enables support of patient's circulation for at least one-month duration with minimum administration of anti-coagulants, to commercialize the mag-lev disposable centrifugal blood pump and to move forward the device to clinical applications. This project applies the magnetic levitation technology developed through collaboration between the two research institutes, Institute of Biomaterials and Bioengineering of Tokyo Medical and Dental University and Institute of Precision Engineering of Tokyo Institute of Technology, as a part of activities for Collaboration of Four Universities (Tokyo Medical

and Dental University, Tokyo Institute of Technology, Hitotsubashi University and Tokyo Foreign Language University) in Tokyo Area, to rotary blood pumps so as to improve durability and biocompatibility of the conventional centrifugal blood pumps with mechanical bearings and develop a mechanically non-contact, maglev centrifugal blood pump that enables safe and reliable support of circulation of patients with minimum usage of anti-coagulants.



A calf implanted with a prototype pump system

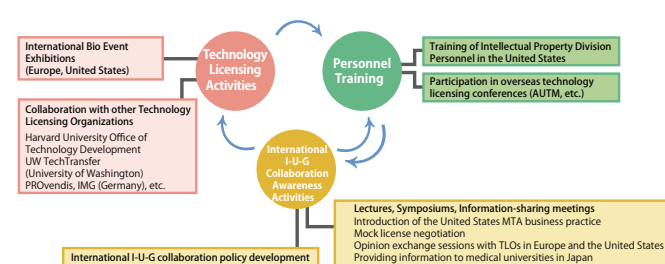
Project for Developing Innovation Systems (Program for Promoting Self-Sustaining Management of Industry-Academia-Government Collaboration in Universities)

Promoting International Industry-University-Government (I-U-G) Collaborative Activities

Kaori IIDA (Junior Associate Professor, Intellectual Property Division)

The Intellectual Property Division at Tokyo Medical and Dental University was established in September 2003, and with the privatization of national universities in April 2004, began applying for patents for inventions by university researchers as properties of the university. Furthermore, the Technology Licensing Organization (TLO) was established in August 2004 and began licensing technologies to enterprises. In March 2008, the Technology Licensing Organization obtained TLO certification from the Ministry of Education, Culture, Sports, Science and Technology and the Ministry of Economy, Trade and Industry, and plans to conduct further public relations activities to produce more technology licensing results.

As international I-U-G collaboration strategies, the organization is committed to the improvement of the quality of patent applications and to efficient technology licensing activities, as well as to the expansion of technology licensing through activities with TLOs in and out of Japan, in addition to the technology licensing activities revolving around our collaborative associates. Particularly with regard to overseas commitment, the department aims to develop a system that enables mutually efficient technology licensing through regular dialogues with multiple partnered overseas TLOs in regions such as Europe or the United States, where we have an understanding of the national conditions of each country.



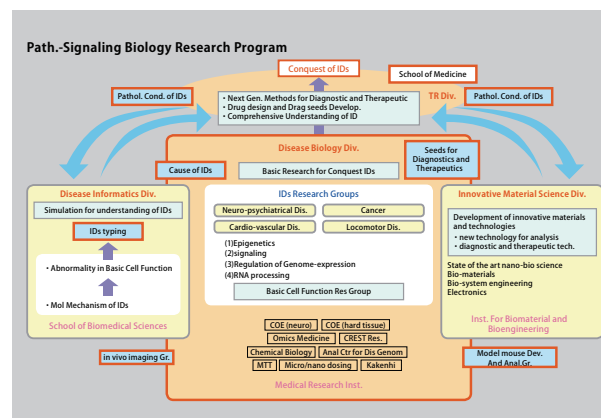
Special Funds for Education and Research

Path-Signaling Biology Research Program

Principal Investigator: Yoshio MIKI, MD, PhD (Professor, Medical Research Institute)

In this project, we define the signal abnormality in the body which is the beginning of pathological states as "pathogenic signaling" and it is abbreviated to pathsignaling. We promote a disease signal research for conquering intractable diseases in medical science.

We use nervous, cardiovascular and locomotory diseases and cancers as models, and consolidate the basic and clinical research groups of TMDU and develop the biomedical science (path-signaling biology) based on the information of genome, transcriptome and phosphoproteome to elucidate a disease process (the molecular mechanism from normal state of cells and tissues to abnormal state, and further to onset of disease in a systemic manner).

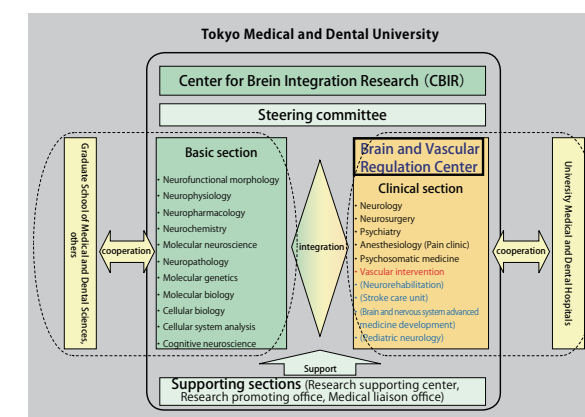


Establishment of the Brain and Vascular Regulation Center

Hidehiro MIZUSAWA, MD, PhD (Director, Center for Brain Integration Research)

In Tokyo Medical and Dental University (TMDU), there has been a long tradition of brain and nervous system science as proved by receiving a 5 years grant the 21st century COE (Center of Excellence) program "Brain Integration and its Disorders" (2003-2007). TMDU established Center for Brain Integration Research (CBIR) in 2007 to follow the great success of the COE program. The mission of CBIR is to overcome diseases of the brain and nervous system by integration of basic and clinical neurosciences. In 2008, according to the request of TMDU the Ministry of Education, Science and Culture permitted to establish a new Department of Vascular Intervention and form the Brain and Vascular Regulation Center as the clinical section of CBIR, to which Department of Neurology, Department of Neurosurgery, Department of Psychiatry, Department of Anesthesiology (pain

clinic) as well as Department of Vascular Intervention belong.



Special Education Program for Creating a Liberal Arts Education Model for Medical and Dental Course Universities—A Refinement of Liberal Arts Education at Tokyo Medical and Dental University

Principal Investigator: Tsukasa CHIBA, PhD (Dean, College of Liberal Arts and Sciences)

Building on our current curriculum, this special education program aims to develop a liberal arts program that will provide a sound foundation in the sciences and the arts for health professionals who will be the leaders of the next generation. In doing so, we aim to create a model curriculum which will contribute to educational programs at other institutions involved in training health professionals in Japan.

Within this program we engage in the following:

- 1) Employing placement tests in natural science courses to ensure students in every level acquire the basic knowledge required for their professional training. Students with top-level grades will be encouraged to embark on research projects.
- 2) Developing reading, writing, and presentation skills in

mandatory humanities and language courses that are organized as small group seminars.

3) Teaching self-management skills for body and mind, thus creating a base from which to communicate with, and understand, others. Health science and physical education courses are incorporating new educational techniques, and a fitness management tool for data analysis is in development.



Motivated students attended scientific meetings in chemistry and biology.

Other Current Projects

Remedial Training Programs

Remedial Training Program for Recruiting Women Doctors

Principal Investigator: Nobuo NARA, MD, PhD (Director, Center for Education Research in Medicine and Dentistry)

The Integrated Database Project

Development of an Integrated Database in Biomedical Sciences

Principal Investigator: Hiroshi TANAKA, DM, PhD (Professor, Graduate School of Biomedical Science)

Program for Accelerating Internationalization of Higher (University) Education

International Educational Program for Interdisciplinary Disease Science

Principal Investigator: Hiroshi TANAKA, DM, PhD (Professor, Graduate School of Biomedical Science)

[Special Funds]

Research Project of Sensing Biology

Principal Investigator: Kohji Mitsubayashi, PhD (Professor, Department of Biomedical Devices and Instrumentation, Institute of Biomaterials and Bioengineering)

Research Promotion of Chemical Biology

Principal Investigator: Takeshi TSUBATA, MD, PhD (Dean, Graduate School of Biomedical Science)

International Exchange

In April 2009, the TMDU International Student Center (ISC) was reorganized, given many new responsibilities, and rechristened as the "International Exchange Center", or IEC. One of the newly assumed tasks of the IEC is to facilitate and coordinate the international activities of the various divisions of the university. While each division of TMDU has been actively engaged in international exchange in the past decade, it was decided that it was now necessary to set up unified procedures and promote coordination for the most effective implementation of our international endeavors. The IEC is thus expected to set up a system which will enable the leadership of the university to readily use and refer to necessary information on international activities as part of their decision-making.

Our international student alumni are very important to TMDU for this project, since they have a very good understanding of TMDU and now play a key role in the development of medical services in their home country. Unfortunately we lose contact with some of our alumni, so

the IEC has begun to form an international alumni database. This informational infrastructure will also be conducive to helping set up or support TMDU Alumni organizations around the world.

Encouraging promising students and young researchers to attend TMDU is another important activity of the IEC. We organized our first International Summer Program (ISP) in September 2009, and, at this writing, are just about to host the second one, ISP2010. We will continue to organize future ISPs so as to support TMDU's efforts to appeal to young people around the world. The IEC will also continue its effort to establish a comprehensive support system for international students: more detailed information before coming to Japan; counseling and guidance during the period of study in Japan; and follow-up after going back to their own country.

We greatly appreciate the support that the related divisions of the university have given us as we strive to accomplish our new mission.

Establishment of a collaboration project in West-African subregion for research on infectious diseases.

Ghana-Tokyo Medical and Dental University Research collaboration program

A research project on Emerging and Re-emerging Infectious Diseases has started as a collaborative research between TMDU and Noguchi Memorial Institute for Medical Research (NMIMR), The University of Ghana. It is well known that NMIMR is one of the top-leading institutes for biomedical research in West-African subregion, and high level research collaboration between Ghana and Japan is expected.

In the program, we are implementing research on virology and parasitology. In our project on virology, HIV is the present target. Therapeutic package was established based on the situation in Europe and/or the US, however, it is needed to test

whether it is also applicable for HIV in Africa. We are collecting information whether the therapeutic package is also well functioning in Ghana, and are monitoring whether drug-resistance HIV is appearing in West Africa.

In the parasitology research project, construction of epidemiological platform on parasitic infections and a basic research for development of new drugs for parasites are the main subjects. Through our research collaboration, a database of parasitic diseases in Ghana is consolidated, and more intensive research collaboration is promoted.



The launching ceremony



At a dinner hosted by President Ohyama (from left) Moriguchi, Deputy Education; N. Kusi, Chief Director, Ministry of Finance; Katayama, Ghana Ambassador carte blanche; C.N.B. Tagoe, Vice Chancellor, University of Ghana, and President Ohyama

Support for a National Public Health Program in Chile

Latin American Collaborative Research Center, Santiago, Chile

TMDU and Clinica Las Condes (CLC), a renowned clinic in Chile that has been tackling the public health problem of an increasing mortality rate of colorectal cancer in the country, agreed in 2009 to establish clinical, scientific and academic collaboration between the two institutions. On July 15, 2009, TMDU, CLC and the Ministry of Health of Chile concluded a Memorandum of Understanding (MOU) relating to the said collaboration.

In accordance with the agreement, TMDU and CLC established the "Latin American Collaborative Research Center (LACRC)" in April 2010. LACRC will promote education, research and medical training in Latin American countries.

LACRC's activities will have the following specific purposes:

Achieve a reduction of colorectal cancer mortality both in Chile and other Latin American countries. Over a period of 15 years, TMDU held a training course for doctors in the region on the early detection, diagnosis and treatment of colorectal cancer in Latin America. Building on this experience, TMDU will support the holding of lectures, the provision of education and the accomplishment of research in CLC's "National Screening Program for Colorectal Tumors," a program which will be carried out in the coming five years.

2) Develop clinical and scientific cancer research through interdisciplinary collaboration, using materials and databases obtained from community-based projects. The collaborative research activities will include basic medical research in the use of genetic precursors in diagnostic work as well as clinical research in the pathological anatomy of malignant and pre-malignant colon lesions.



At the signing ceremony, Dr. Takashi Ohyama [TMDU President], Sr. Alfredo Schonerr [CLC CEO] and Dr. Julio Montt Vidal [Vice Minister of Health, Chile]

International exchange program in Thailand

CU-TMDU Research and Education Collaboration Center

In 1991, dental faculties in Tokyo Medical and Dental University (TMDU) and Chulalongkorn University (CU) agreed to forge an academic affiliation. Since then lots of collaborative projects have been conducted both in Japan and Thailand. About 20 years history of academic collaboration between two dental faculties contributed to the mutual understanding and good academic relationship. At present about 20 TMDU alumni dentists (PhD holders) are now working as academic staff members in the Faculty of Dentistry in CU. TMDU offers continuous support for these alumni members to establish a health care network between Japan and Thailand. On November 23, 2009, a signing ceremony for the establishment the "CU - TMDU Research and Education Collaboration Center" was conducted in which both universities agree to establish a TMDU overseas office at CU. We believe this center will serve to promote academic collaboration and scholarly exchange and facilitate and up-grade research development, health service delivery and education techniques between the two institutions.



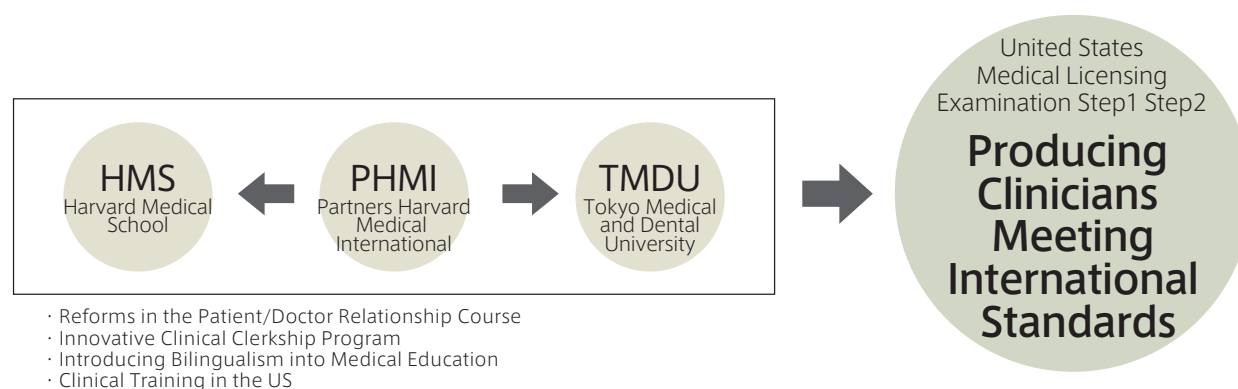
Prof. Takashi Ohyama (President of TMDU, right) and Prof. Pirom Kamolratanakul (President of CU, left) at the signing ceremony

Tokyo Medical and Dental University and Partners Harvard Medical International, Inc. Alliance for Medical Education

Since 2002, TMDU has cooperated with Harvard Medical International, Inc. (Partners Harvard Medical International, Inc. since 2008) and implemented wide-ranging reforms into our medical education. One of the chief aims of this alliance is to create a new model of medical education in Japan in order to meet various challenges we face in the 21st century. Partnering with PHMI, closely related to Harvard Medical School, TMDU has introduced new ideas and approaches into its curriculum, including patient-doctor relationship courses, hybrid programs integrating basic science and clinical studies, and innovative clinical clerkship programs.

This alliance also provides TMDU students with a chance to take part in a clinical clerkship at Harvard Medical School. As a part of a recent curriculum reform, TMDU introduced the Harvard Medical School Externship program in 2004. The students who pass the selection go through nine months of preparatory training then take part in clinical clerkships at Harvard Medical School. They stay in

Boston for three months and take three, four-week elective clerkship rotations. Harvard Medical School provides exchange students from all over the world with a chance to experience the same clinical training as Harvard students at HMS affiliated teaching hospitals. Working hard with talented and enthusiastic students of HMS and other medical schools all over the world, TMDU students can develop their clinical skills and get a better understanding of the American healthcare system as well as acquire an international way of thinking.



Student exchange programme between Faculty of Medicine, Graduate School, Tokyo Medical and Dental University and Faculty of Medicine, Imperial College of Science Technology and Medicine

Exchange Program with Imperial College London

which has led this program to become very popular, and competitive.

Imperial College

Imperial College London is a science-based university founded in 1907, and its main campus is located in South Kensington in London. It has Faculties of Engineering, Medicine, and Natural Sciences, as well as a School of Business. Imperial has long been enjoying a high reputation: It has been consistently rated among the world's top universities. Imperial is placed 3rd in university rankings in the United Kingdom, and 5th in rankings of universities worldwide. Along with Oxford and Cambridge, it has been recognized as one of the best universities.

From Tokyo to London

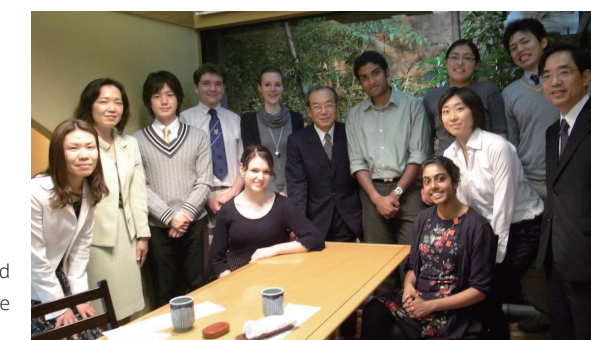
TMDU students passing the selection process spend the second semester of their fourth year at Imperial College. About four students are accepted; nineteen students have taken part in the program over the last five years. The students undertake research topics under the supervision of a faculty member. New opportunities are being introduced: the participants will have a chance to visit affiliated hospitals with Imperial and be admitted to up to ten lectures related to their research topics.

Exchange Program

The exchange program between TMDU and Imperial College London was launched in 2004. This program provides students with a chance to gain firsthand experience doing world-class research. Credits attained by students at the other institution can be transferred to their home institution. Participants are provided with accommodations and are exempt from tuition fees at the other institution. Participants can enjoy strong and warm support during their stay. The past five years have proved that students can gain valuable experience through this exchange program,

From London to Tokyo

As partial fulfillment of the BSc degree at Imperial College, each student undertakes a three-month research project. About four Imperial students selected at Imperial College undertake research at TMDU every year; 24 Imperial students have participated in this program by 2010. They stay in Tokyo from February to May. They are offered a very wide range of research topics: each of twenty departments of the Graduate School of Medicine at TMDU suggests one to three projects, from which Imperial students can choose a topic they are most interested in.



President Ohyama and
TMDU-Imperial College
exchange students

Tokyo Medical and Dental University and
Partners Harvard Medical International, Inc. Alliance for Medical Education

Nations /Area	Universities
United States of America	Harvard Medical International, Inc. *

* Since 2008, PHMI: Partners Harvard Medical International

Overseas Affiliated Universities/Inter-Faculty Agreements

Graduate School of Medical and Dental Sciences (Medical Division) /Graduate School of Health Care Sciences / Faculty of Medicine

Nations /Area	Universities	Nations /Area	Universities
Republic of Finland	Seinajoki University of Applied Sciences University of Tampere Department of Nursing Science	Kingdom of Thailand	Faculty of Medicine, Chulalongkorn University
United States of America	University of Washington School of Nursing University of Colorado Denver College of Nursing	French Republic	École Normale Supérieure de Lyon
United Kingdom of Great Britain and Northern Ireland	Imperial College London Faculty of Medicine The University of Sheffield School of Nursing and Midwifery	Republic of Ghana	Noguchi Memorial Institute for Medical Research

Graduate School of Medical and Dental Sciences (Dental Division) / Faculty of Dentistry

Nations /Area	Universities	Nations /Area	Universities
Republic of Korea	College of Dentistry, Seoul National University School of Dentistry, Kyungpook National University School of Dentistry, Chonnam National University	Socialist Republic of Vietnam	Faculty of Odonto-Stomatology, The University of Medicine & Pharmacy at Ho Chi Minh City University of Odonto-Stomatology, Hanoi
Kingdom of Thailand	Faculty of Dentistry, Chulalongkorn University Faculty of Dentistry, Mahidol University Faculty of Dentistry, Chiang Mai University Faculty of Dentistry, Prince of Songkla University Faculty of Dentistry, Khon Kaen University Faculty of Dentistry, Faculty of Dentistry, Naresuan University Faculty of Dentistry, Srinakharinwirot University	Mongolia	School of Dentistry, Health Sciences University of Mongolia
People's Republic of China	College of Stomatology, Jilin University Stomatology College of Dalian Medical University School of Stomatology, Peking University School of Stomatology, Capital Medical University Tongji University, School of Stomatology, Inner Mongolia Medical College	Democratic Socialist Republic of Sri Lanka	Faculty of Dental Sciences, University of Peradeniya
Taiwan	College of Oral Medicine, Taipei Medical University School of Dentistry, College of Medicine, National Taiwan University	Kingdom of Cambodia	Faculty of Odonto-Stomatology, University of Health Sciences, Phnom Penh Cambodia
Republic of Indonesia	Faculty of Dentistry, University of Indonesia	Lao People's Democratic Republic	Faculty of Medical Sciences, National University of Laos
Republic of Singapore	Faculty of Dentistry, National University of Singapore	Republic of the Philippines	College of Dentistry, University of the Philippines Manila
Malaysia	Faculty of Dentistry, University of Malaya	United Kingdom of Great Britain and Northern Ireland	King's College London Dental Institute
Kingdom of Denmark	School of Dentistry, Faculty of Health Sciences, University of Copenhagen	Federal Republic of Germany	Charité-University Medicine Berlin
Union of Myanmar	Institute of Dental Medicine, Yangon	Czech Republic	Masaryk University, Faculty of Medicine
		United States of America	School of Dental Medicine, University of Pennsylvania Harvard School of Dental Medicine School of Dentistry, University of North Carolina at Chapel Hill School of Dentistry, University of California San Francisco
		Canada	Faculty of Dentistry, McGill University
		Australia	School of Dental Science, Faculty of Medicine, Dentistry and Health Sciences, The University of Melbourne

Institute of Biomaterials and Bioengineering

Nations /Area	Universities	Nations /Area	Universities
United Kingdom of Great Britain and Northern Ireland	Bioengineering Unit, University of Strathclyde Interdisciplinary Research Centre in Biomedical Materials and Science, Queen Mary and Westfield College, University of London	Republic of Poland	Institute of Biocybernetics and Biomedical Engineering and International Center of Biocybernetics, Polish Academy of Science
Kingdom of Sweden	Department of Biomedical Engineering, Linköping University	Republic of Korea	Institute for Biomaterials Research and Development, Kyungpook National University
		People's Republic of China	School of Stomatology, Peking University

Medical Research Institute

Nations /Area	Universities
Republic of Singapore	Oncology Research Institute, National University of Singapore
United States of America	The General Hospital Corporation D. B/A, Massachusetts General Hospital
Kingdom of Thailand	Faculty of Dentistry, Chulalongkorn University
French Republic	École Normale Supérieure de Lyon

Nations /Area	Universities
Republic of Poland	Medical University of Gdansk
Federal Republic of Germany	Deutsches Rheuma-Forschungszentrum Berlin Humboldt-Universität zu Berlin
People's Republic of China	School of Basic Medical Sciences, Peking University Health Science Center China Medical University
Socialist Republic of Vietnam	University of Hanoi Medical University, Hanoi

Number of International Students

Classification		Graduate Students						Undergraduate Students			Research Students						Japanese Language Course Students	Subtotal		Total			
		Graduate School of Medical and Dental Sciences		Graduate School of Health Care Sciences		Biomedical Science PhD Program		Faculty of Medicine	Faculty of Dentistry		Faculty of Medicine		Faculty of Dentistry		Institute of Biomaterials and Bioengineering		Medical Research Institute		International Exchange Center		National Expense	Private Expense	
Country/Area																							
Asia	Korea		3				5						1						0	9	9		
	China	6	53	1		3	1		3		2		4		6			4		10	73	83	
	Mongolia		2										1		1					0	4	4	
	Philippines	2																		2	0	2	
	Indonesia	4																		4	0	4	
	Singapore					1														1	0	1	
	Vietnam	3	1																	3	1	4	
	Laos	1																		1	0	1	
	Cambodia	3																		3	0	3	
	Malaysia	1	1																	1	1	2	
	Brunei							1												1	0	1	
	Thailand	15	2					1											2	18	2	20	
	Myanmar		5																	0	5	5	
	Nepal		3																	0	3	3	
	Bangladesh	9	9																	9	9	18	
	India	3	4																	3	4	7	
	Sri Lanka	3	1			1														4	1	5	
	Pakistan					1														1	0	1	
	Iran	1	3			1														2	3	5	
	Iraq	1	1																	1	1	2	
Jordan	2																	1	3	0	3		
Saudi Arabia		2																	0	2	2		
Europe	Cyprus	1																		1	0	1	
	Azerbaijan	1																		1	0	1	
	Slovakia	1																		1	0	1	
Africa	Egypt	3	1																	3	1	4	
	Libya	1																		1	0	1	
	Tanzania	2																		2	0	2	
Ghana	1																			1	0	1	
Central and South America	Canada					1														1	0	1	
	Mexico		1																	0	1	1	
	Brazil	1																		1	0	1	
	Paraguay	2											1							2	1	3	
	Honduras	1																		1	0	1	
	Dominican		1																	0	1	1	
Venezuela	1																		1	0	1		
Oceania	Fiji	1																		1	0	1	
Subtotal		70	93	1	0	8	6	2	3	0	2	0	5	0	9	0	0	0	4	3	84	122	206
Grand Total		National Expense 79		Private Expense 99		National Expense 2		Private Expense 5		National Expense 0		Private Expense 18		National Expense 3								206	
		178						7				18				3							

Statistics

Number of Staff

(May 1, 2010)

Classification	Director	Academic Staff					Other Staff				Total
		Professor	Associate Professor	Junior Associate Professor	Assistant Professor	Subtotal	Clerk	Co-medical	Nurse	Subtotal	
President	1										1
Trustee	5										5
Auditor	2 (1)										2 (1)
Administration Bureau							173			173	173
Graduate School of Medical and Dental Sciences		78	51	34	145	308					308
Graduate School of Health Care Sciences		16	6	4	14	40					40
School of Biomedical Science		7	5		1	13					13
Faculty of Medicine							63	7		70	70
University Hospital of Medicine		1	7	30	98	136	4	110	684	798	934
Faculty of Dentistry		5	2	5		12	28	4		32	44
University Hospital of Dentistry			4	12	22	38	1	51	55	107	145
School for Dental Technologists				4		4					4
College of Liberal Arts and Sciences		9	11		2	22	4			4	26
Institute of Biomaterials and Bioengineering		9	6	1	11	27	7			7	34
Medical Research Institute		16	17	1	20	54	11			11	65
Institute for Library and Media Information Technology		1			1	2					2
Research Center for Medical and Dental Sciences		1	2	1	2	6	2			2	8
Center for Experimental Animal		1			1	2					2
International Exchange Center			4			4					4
Health Service Center		1	1			2			1	1	3
Center for Education Research in Medicine and Dentistry		2	1	1		4					4
Center for Brain Integration Research			2			2					2
Life Science and Bioethics Research Center		1				1					1
Number of Staff Members	8 (1)	148	119	93	317	677	293	172	740	1205	1890 (1)

* Note () : The numbers in parentheses indicate part-time directors.

Number of Graduate Students

(May 1, 2010)

Graduate School of Medical and Dental Sciences

Specialized Courses	Capacity of Admission	Total Capacity	Master's Program			Doctor's Program					Total
			1st year	2nd year	Subtotal	1st year	2nd year	3rd year	4th year	Subtotal	
Medical and Dental Sciences	50	100	51 28	52 38	103 66						103 66
Medical and Dental Sciences(MMA Course)	15	25	18 6	11 10	29 16						29 16
Oral Health Sciences	42	168				64 <7>	29 <5>	57 <3>	27 <3>	219 <18>	219 101
Maxillofacial/Neck Reconstruction	30	120				27 <1>	6 <1>	28 <1>	9 <2>	119 <2>	119 33
Bio-Matrix	18	72				16 <2>	8 <2>	13 <3>	6 <3>	62 <3>	62 26
Public Health	20	80				18 [5]	9 <5>	18 <5>	7 <3>	92 [18]	92 41
Gerontology and Gerodontology	10	40				15 <7>	7 <5>	17 <5>	7 <3>	70 <25>	70 25
Comprehensive Patient Care	8	32				11 <7>	1 <1>	6 <3>	3 <10>	35 <21>	35 21
Cognitive and Behavioral Medicine	19	76				16 <6>	13 <6>	17 <3>	3 <23>	69 <19>	69 19
Bio-Environmental Response	17	68				17 <4>	12 <7>	11 <6>	15 <7>	55 <24>	55 24
Systemic Organ Regulation	29	116				36 <9>	32 <4>	36 <9>	39 <11>	143 <33>	143 33
Advanced Therapeutical Sciences	21	84				15 <6>	27 <7>	26 <8>	49 <20>	117 <41>	117 41
Subtotal	279	981	69 34	63 48	132 82	235 91	226 83	221 83	299 107	981 364	1,113 446

Graduate School of Health Care Sciences

Specialized Courses	Capacity of Admission	Total Capacity	Master's Program			Doctor's Program					Total
			1st year	2nd year	Subtotal	1st year	2nd year	3rd year	4th year	Subtotal	
Comprehensive Health Nursing Sciences	(1) 17 (2) 8	(1) 34 (2) 24	17 15	25 22	42 37	12 11	12 11	29 29		53 51	95 88
Biomedical Laboratory Sciences	(1) 12 (2) 6	(1) 24 (2) 18	14 6	16 14	30 20	5 3	2 2	11 8		18 13	48 33
Subtotal	(1) 29 (2) 14	(1) 58 (2) 42	31 21	41 36	72 57	17 14	14 13	40 37		71 64	143 121

Biomedical Science PhD Program

Specialized Courses	Capacity of Admission	Total Capacity	Master's Program			Doctor's Program					Total
			1st year	2nd year	Subtotal	1st year	2nd year	3rd year	4th year	Subtotal	
Bioinformatics	(1) 21 (2) 8	(1) 42 (2) 24	22 9	28 14	50 23	4 (2)	0 (0)	10 (1)	5 (1)	28 (3)	78 (11)
Functional Biology	(1) 24 (2) 7	(1) 48 (2) 21	26 8	22 5	48 13	11 (4)	6 (4)	8 (4)	4 (0)	27 (8)	75 (9)
Subtotal	(1) 45 (2) 15	(1) 90 (2) 45	48 17	50 19	98 36	15 6	18 9	22 9		55 24	153 60

Grand total (Master's Program / Doctor's Program)	Capacity of Admission	Total Capacity	Master's Program			Doctor's Program					Total
			1st year	2nd year	Subtotal	1st year	2nd year	3rd year	4th year	Subtotal	
			279	981	69 34	63 48	132 82	235 91 <7> [5]	226 83 <8> [5]	221 83 <4> [5]	
Grand total (Master's Program / Doctor's Program)	Capacity of Admission	Total Capacity	Master's Program			Doctor's Program					Total
			1st year	2nd year	Subtotal	1st year	2nd year	3rd year	4th year	Subtotal	
			103	235	79 38 (5)	91 55 (4)	170 93 (9)	32 20 (6)	32 22 (4)	62 46 (1)	

* Note 1 : The numbers in red indicate female Graduate students.
* Note 2 < > : The numbers in angle brackets indicate Advanced Oral Science I nternational Program Students.
* Note 3 [] : The numbers in brackets indicate International students in the Graduate Public Health Leader Course.
* Note 4 () : The numbers in parentheses indicate Biomedical Science International Education Program students. * Note 5 (1) : Master's Program * Note 6 (2) : Doctor's Program

Grand Total 1,409 <23> [181] (20) 627

Number of Undergraduate Students

(May 1, 2010)

Faculty of Medicine

		Capacity of Admission	Total Capacity	1st year	2nd year	3rd year	4th year	5th year	6th year	Total
School of Medicine		95 <5>	500	95 32	87 28	85 29 [6] [1]	88 15 [5] [6]	90 25 [7] [3]	85 24 [4] [3]	530 153 [22] [13]
School of Health Care Sciences	Nursing Science	55	215	60 55	56 54	55 53	48 46			219 208
	Medical Technology	35	135	37 30	35 27	35 30	33 23			140 110
	Subtotal	90	350	97 85	91 81	90 83	81 69			359 318

Faculty of Dentistry

		Capacity of Admission	Total Capacity	1st year	2nd year	3rd year	4th year	5th year	6th year	Total
School of Dentistry		55 <10>	370	55 20	59 25	62 29 [9] [4]	67 30 [8] [6]	67 33 [12] [10]	59 23 [9] [6]	369 160 [38] [26]
School of Oral Health Care Sciences		27 <6>	118	29 28	36 36	30 28 [6] [6]	27 25 [6] [6]			122 117 [12] [12]

	Capacity of Admission	Total Capacity	1st year	2nd year	3rd year	4th year	5th year	6th year	Total
Grand total	267	1,338	276 165	273 170	267 169 [21] [11]	263 139 [19] [18]	157 58 [19] [13]	144 47 [13] [9]	1,380 748 [72] [51]

* Note 1 : The numbers in red indicate female students.
* Note 2 < > : The numbers in angle brackets indicate the maximum number of students who can transfer into the third-year program from other institutions.They are not included in the numbers above them.
* Note 3 [] : The numbers in brackets indicate the students transferring into the third-year program from other institutions.

Research Students

Classification		Male	Female	Total
Faculty of Medicine	School of Medicine	12	11	23
	School of Health Care Sciences	4	15	19
Faculty of Dentistry	School of Dentistry	101	97	198
	School of Oral Health Care Sciences	2	1	3
Institute of Biomaterials and Bioengineering		3	1	4
Medical Research Institute		5	3	8
Total		127	128	255

Degrees Conferred

(May 1, 2010)

Doctor's Program

Classification	Doctor						
	Philosophy in Medical Science	Philosophy in Dental Science	Philosophy	Nursing Science	Medical Laboratory Science	Philosophy in Science	Functional Biology
Fiscal year 2009	99	89	8	7	9	15	0
Total	1,632	1,906	115	74	44	42	1

Granted by Merit of Thesis

Classification	Doctor				
	Philosophy in Medical Science	Philosophy in Dental Science	Philosophy	Nursing Science	Medical Laboratory Science
Fiscal year 2009	20	9	2	0	4
Total	1,713	484	21	10	12

Master's Program

Classification	Master				
	Medical Science	Dental Science	Medical Administration (1)	Medical Administration (2)	Nursing Science
Fiscal year 2009	29	1	8	8	17
Total	273	7	53	51	240

Medical Laboratory Science	Philosophy in Science	Biomedical Science	Functional Biology	Philosophy
12	36	0	2	0
205	178	5	3	1

Educational Facilities

(May 1, 2010)

Enrollment

School	Total	
	1st year	2nd year
School for Dental Technologists	21 (10)	20 (10)
Special Training Course of School for Dental Technologists	10 (6)	10 (6)
Total	31 (16)	30 (16)

* Note 1 : The numbers in red indicate female students.

Grants-in-Aid for Scientific Research (Fiscal Year 2010)

(May 1, 2010)

Categories for Research	Number	Amount (in thousands of yen)
Grant-in-Aid for Scientific Research on Priority Areas	11	106,800
Grant-in-Aid for Challenging Exploratory Research	38	50,000
Grant-in-Aid for Young Scientists (A)	6	41,600
Grant-in-Aid for Young Scientists (B)	136	223,990
Grant-in-Aid for JSPS Fellows	42	31,400
Grant-in-Aid for Scientific Research (S)	1	21,450
Grant-in-Aid for Scientific Research (A)	20	276,250
Grant-in-Aid for Scientific Research (B)	49	259,480
Grant-in-Aid for Scientific Research (C)	144	210,860
Grant-in-Aid for Creative Scientific Research	1	75,530
Grant-in-Aid for Research Activity Start-up	9	10,972
Grant-in-Aid for Young Scientists (S)	2	30,030
Grant-in-Aid for Scientific Research on Innovative Areas	11	106,730
Grant-in-Aid for Encouragement of Scientists	3	1,690
Total	473	1,446,782

Entrusted Research Funds (Fiscal Year 2009)

Categories for Research Funds	Number of Projects	Amount (in thousands of yen)
Entrusted Research	121 (29)	1,158,447(198,471)
Cooperative Research	120(71)	424,606(279,304)
Donation for Promotion of Learning	789	1,261,019
Total	1,030	2,844,072

* A multi-year contract means the research was conducted for more than two years including the fiscal year 2009.
The ""Amount"" is the sum of all the money entrusted to the projects in the fiscal year 2009.
* Figures in parentheses indicate values related to multi-year projects.

Grants-in-Aid for Scientific Research from Ministry of Health, Labour and Welfare

(May 1, 2010)

Categories for Research	Number of Projects	Amount (in thousands of yen)
Research on Policy Planning and Evaluation	2	43,200
Research on Statistics and Information	1	3,000
Research on Regenerative Medicine for Clinical Application	2	97,500
Research on Publicly Essential Drugs and Medical Devices	1	4,000
Research on Measures for Intractable Diseases	9	319,400
Comprehensive Research on Aging and Health	1	28,500
Comprehensive Research on Disability Health and Welfare	3	52,200
Research on HIV/AIDS	2	12,360
Research on Hepatitis	1	110,500
Research on Region Medical	7	47,883
Research on Regulatory Science of Pharmaceuticals and Medical Devices	2	11,000
Research on Health Security Control	1	5,400
Total	32	734,943

Endowed Departments

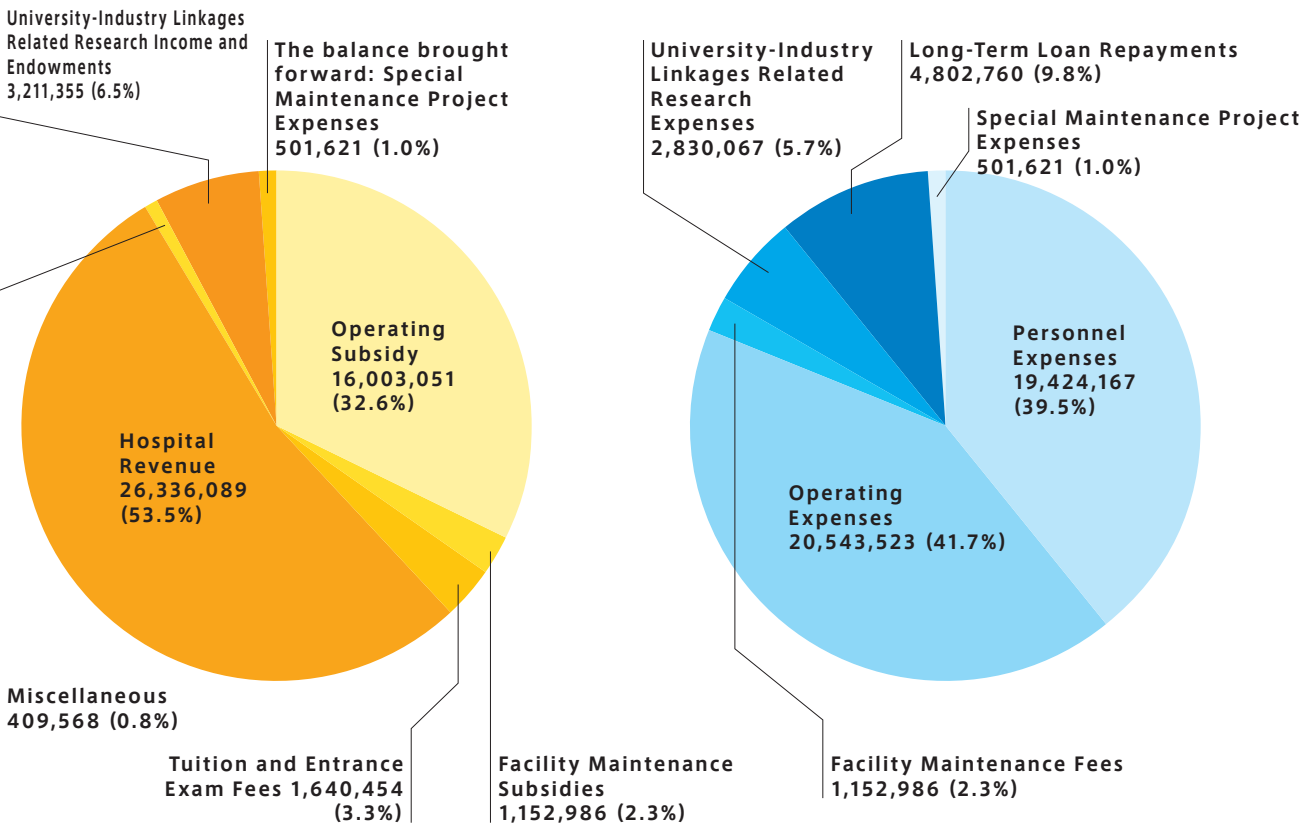
(May 1, 2010)

Departments/Institutes	Endowed Departments	Term	Donor
Graduate School of Medical and Dental Sciences	Department of Pharmacovigilance	H17.4.1 - H25.3.31	Mitsubishi Tanabe Pharma Corporation / Wyeth K.K. / Takeda Pharmaceutical Co., Ltd. / Abbott Japan Co., Ltd. / Eisai Co., Ltd. / Chugai Pharmaceutical Co., Ltd. / Bristol-Myers K.K.
Graduate School of Medical and Dental Sciences	Department of Nanomedicine	H17.4.1 - H25.3.31	Dai Nippon Printing Co., Ltd.
Graduate School of Medical and Dental Sciences	Department of Translational Oncology	H17.10.1 - H23.9.30	Taiho Pharmaceutical Co., Ltd.
Graduate School of Medical and Dental Sciences	Department for Hepatitis Control	H18.4.1 - H24.3.31	Schering-Plough K.K.
Graduate School of Medical and Dental Sciences	Department of Advanced Therapeutics for GI Diseases	H19.4.1 - H27.3.31	Kyorin Pharmaceutical Co.,Ltd. / Asahi Kasei Medical Co., Ltd. / Ajinomoto Pharma Co., Ltd. / Ucb Japan Co., Ltd. / Otsuka Pharmaceutical Co., Ltd. / Eisai Co., Ltd. / JIMRO Co., Ltd. / Zeria Pharmaceutical Co., Ltd. / Mitsubishi Tanabe Pharma Corporation/ Abbott Japan Co., Ltd. / Kyowa Hakko Kirin Co., Ltd.
Graduate School of Medical and Dental Sciences	Development Division of Advanced Orthopaedic Therapeutics	H19.8.1 - H23.3.31	Hoya Corporation / Medtronic Sofamor Danek, Co., Ltd. / Stryker Japan K.K. / Itoh Medical, Inc. / Teijin Pharma Limited /
Graduate School of Medical and Dental Sciences	Department of Advanced Regulatory Vascular Surgery	H19.6.1 - H22.5.31	Mitsubishi Tanabe Pharma Corporation
Graduate School of Medical and Dental Sciences	Department of Cartilage Regeneration	H18.6.1 - H24.5.31	Zimmer K.K. / Japan Medical Materials Corporation
Graduate School of Medical and Dental Sciences	Department of Sleep Modulatory Medicine	H21.6.1 - H24.5.31	Fukuda Denshi Co., Ltd. / Teijin Home Healthcare Limited / Glaxo Smith Kline Co., Ltd. / Philips Respironics GK
Graduate School of Biomedical Science	Department of Medical Omics Informatics	H21.10.1 - H24.9.30	OS Japan Co., Ltd. / MicroBlood Science Co., Ltd.
Graduate School of Medical and Dental Sciences	Department of Pediatrics, Perinatal and Maternal Medicine	H22.4.1 - H26.3.31	Ibaraki Prefecture
Graduate School of Medical and Dental Sciences	Department of Community Pediatric Health Science	H22.4.1 - H25.3.31	Tokyo Metropolitan Government
Graduate School of Medical and Dental Sciences	Department of Chronic Kidney Disease	H22.4.1 - H25.3.31	Chugai Pharmaceutical Co., Ltd.

Finances (2010 Fiscal Year Budget)

(The numbers in the pie-charts represent thousands of yen)

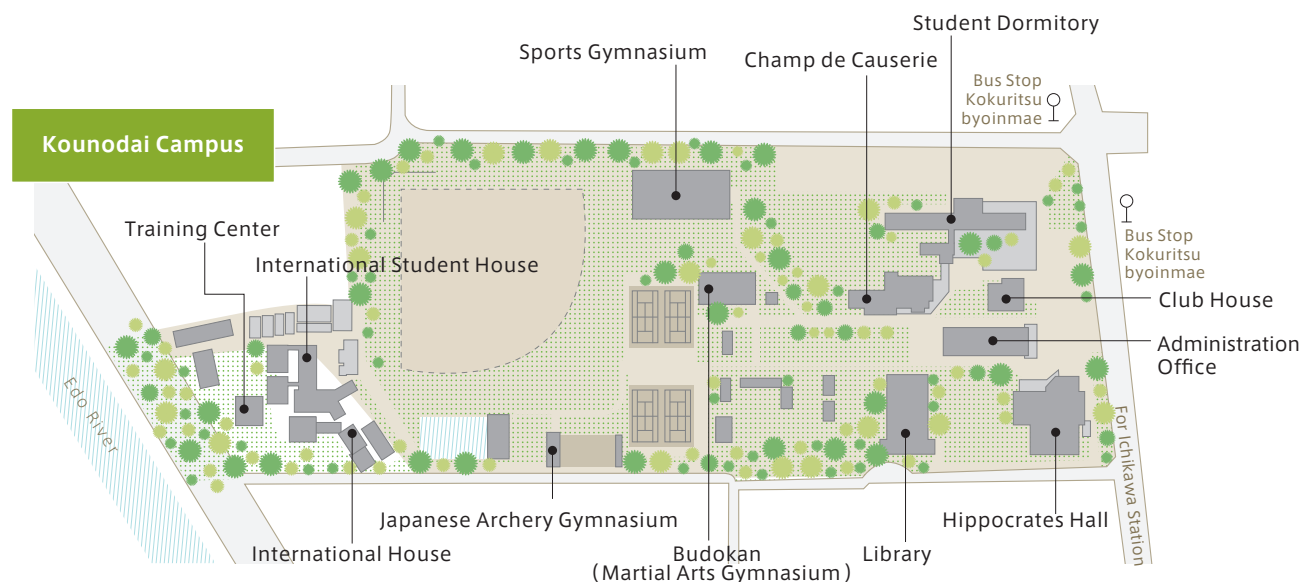
Total Income ¥49,255,124 thousand yen Total Expenses ¥49,255,124 thousand yen



Campus and Access

Yushima and Surugadai Campuses

TMDU is located in the center of Tokyo, amid many sites of historic interest. The main campus, Yushima Campus, and the satellite campus, Surugadai Campus, contain our research buildings and hospitals. At these campuses, highly specialized education in clinical and basic research contexts is offered so as to foster health care professionals with advanced knowledge and skills.



Kounodai Campus

The Kounodai Campus houses the College of Liberal Arts and Sciences, where our undergraduate students start their university studies. This campus is located in Ichikawa City, Chiba Prefecture, and is about 40 minutes from Yushima Campus by train.



Location of University Campuses and Buildings

(May 1, 2010)

Yushima Campus	Grounds (Sq. meters): 45,115㎡	Buildings (Sq. meters): 265,623㎡
Name	Postal code / Address / Telephone	
Administration Bureau／ Graduate School of Medical and Dental Sciences／ Graduate School of Health Care Sciences／ Biomedical Science PhD Program／ Graduate School of Biomedical Science	5-45, Yushima 1 chome, Bunkyo-ku, Tokyo 03-3813-6111	
Faculty of Medicine／ University Hospital of Medicine	5-45, Yushima 1 chome, Bunkyo-ku, Tokyo 03-3813-6111	
Faculty of Dentistry／ University Hospital of Dentistry	5-45, Yushima 1 chome, Bunkyo-ku, Tokyo 03-3813-6111	
Institute for Library and Media information Technology-Library／ Center for Education Research in Medicine and Dentistry／ Research Center for Medical and Dental Sciences／ Center for Experimental Animal／ Life Sciences and Bioethics Research Center／ Support Center for Integrated Education of Medicine and Dentistry／ Health Service Center／ Student Center／ Intellectual Property Division	5-45, Yushima 1 chome, Bunkyo-ku, Tokyo 03-3813-6111	
School for Dental Technologists	5-45, Yushima 1 chome, Bunkyo-ku, Tokyo 03-3813-6111	

Surugadai Campus	(1)	Grounds (Sq. meters): 546㎡	Buildings (Sq. meters): 1,884㎡	(2)	Buildings (Sq. meters): 5,051㎡	Buildings (Sq. meters): 18,028㎡
Name	Postal code / Address / Telephone					
International Exchange Center (1)	3-21, Kanda Surugadai 2 chome, Chiyoda-ku, Tokyo 03-5283-5855					
Institute of Biomaterials and Bioengineering (2)	3-10, Kanda Surugadai 2 chome, Chiyoda-ku, Tokyo 03-5280-8000					
Medical Research Institute (2)	3-10, Kanda Surugadai 2 chome, Chiyoda-ku, Tokyo 03-5280-8050					

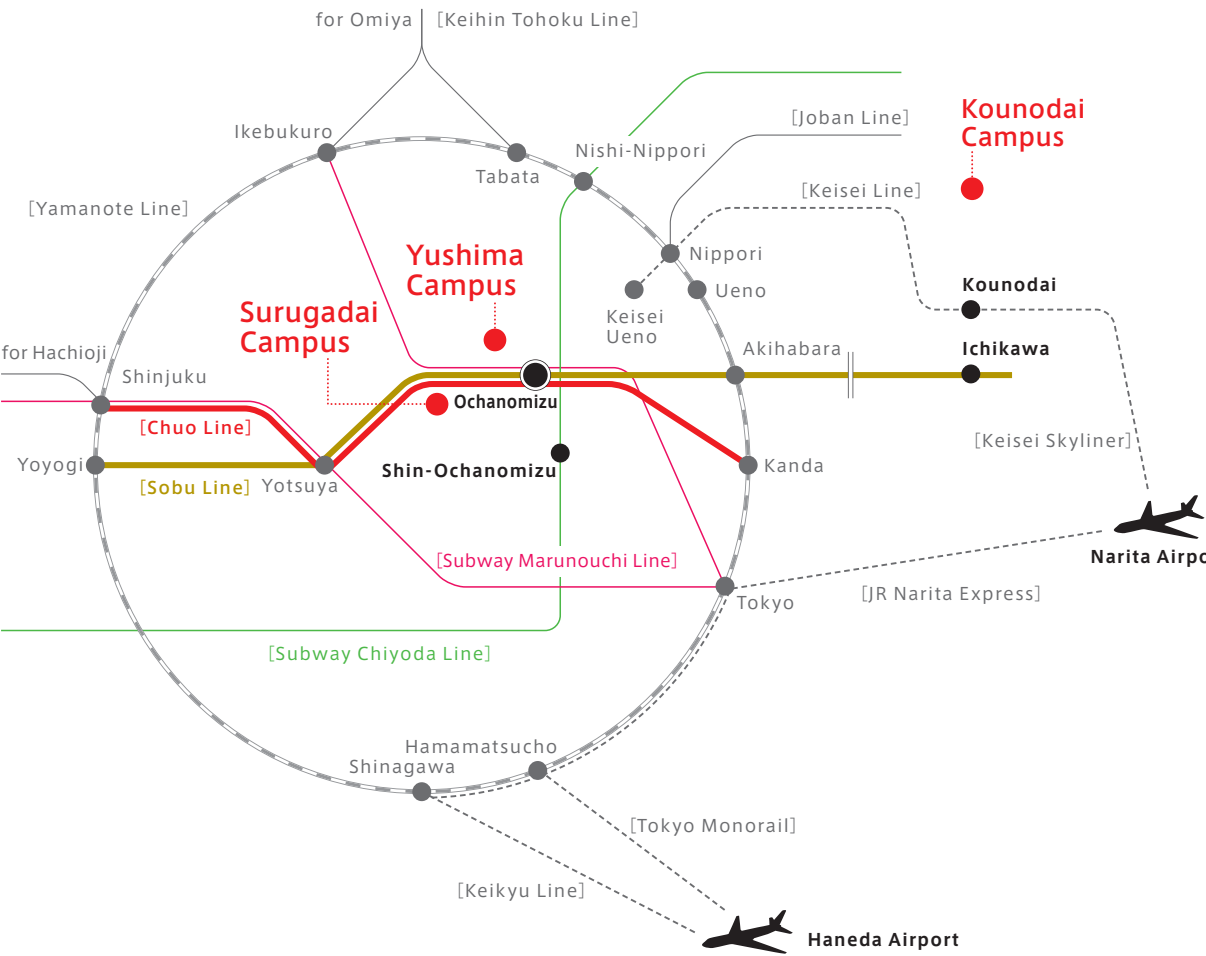
Kounodai Campus	Grounds (Sq. meters): 61,287㎡	Buildings (Sq. meters): 13,900㎡
Name	Postal code / Address / Telephone	
College of Liberal Arts and Sciences／ Institute for Library and Media information Technology-Kounodai Branch Library／ Health Service Center, Kounodai Branch	8-30, Kounodai 2 chome, Ichikawa-city, Chiba Prefecture 047-371-7103	
International House／ International Student House	8-1, Kounodai 2 chome, Ichikawa-city, Chiba Prefecture 047-371-7936	

Name	Address	Grounds (Sq. meters)	Buildings (Sq. meters)
Toda Boat-House	60, Todakoen 1 chome, Toda-city, Saitama Prefecture	696 ㎡	479 ㎡
Akakura Resort House	Akakura-Onsen, Myoko-city, Niigata Prefecture	1,621 ㎡	434 ㎡
Tateyama. Oga-Resort House	Oga, Tateyama-city, Chiba Prefecture	4,357 ㎡	834 ㎡
Hakusan Residence Housing	36-3, Hakusan 2 chome, Bunkyo-ku, Tokyo	497 ㎡	91 ㎡
Wakamiyacho Residence Housing	26, Wakamiya-cho, Shinjuku-ku, Tokyo	995 ㎡	—
Tonoyama Residence Housing	50-3, Chuo 1 chome, Nakano-ku, Tokyo	1,974 ㎡	1,945 ㎡
Etchujima Residence Housing	3, Etchujima 1 chome, Koto-ku, Tokyo	17,967 ㎡	25,480 ㎡
The Ossuary(Nokotsu-do)	10-1, Kounodai 3 chome, Ichikawa-city, Chiba Prefecture	(115 ㎡)	—
Total		140,106 ㎡	328,698 ㎡

* Surugadai Campus (1) indicates Surugadai Clinical Laboratories.
* Surugadai Campus (2) indicates the Institute of Biomaterials and Bioengineering and Medical Research Institute and Nurses Dormitory.
* The numbers in parentheses independently show temporary or long-term rental grounds and buildings.

Access

Yushima and Surugadai Campuses	Kounodai Campus
JR Line Ochanomizu Sta. Subway Marunouchi Line Ochanomizu Sta. Subway Chiyoda Line Shin-Ochanomizu Sta.	Keisei Line Kounodai Sta. Sobu Line Ichikawa Sta. Bus for Matsudo Sta.from No.1 Keisei Bus Stop to kokuritsubyoinmae.



From Narita Airport	From Haneda Airport
JR Narita Express → JR Tokyo Sta. → JR Chuo Line → JR Ochanomizu Sta. Keisei Skyliner → JR Ueno Sta. → JR Yamanote Line →JR Akihabara Sta. → JR Sobu Line → JR Ochanomizu Sta.	Tokyo Monorail → JR Hamamatsucho Sta. → JR Yamanote Line → JR Ochanomizu Sta. Keikyu Line → JR Shinagawa Sta. → JR Yamanote Line → JR Kanda Sta. → JR Chuo Line → JR Ochanomizu Sta.



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