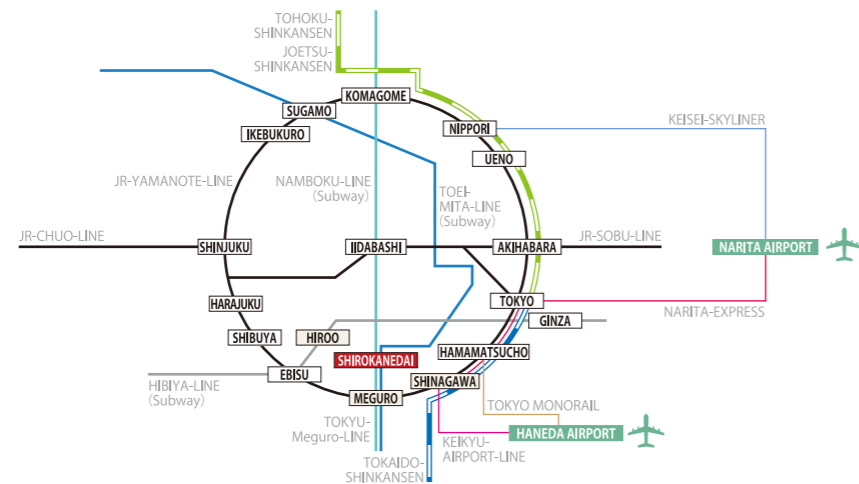


[By WALK FROM STATION]  
**SHIROKANEDAI** ● SHIROKANEDAI-STATION on the Metro NAMBUKU or MITA LINE (EXIT 2)  
**MEGURO** ● 15 min. walk from JR-MEGURO-STATION EAST EXIT

[By BUS FROM STATION]  
**MEGURO** ● From JR-MEGURO-STATION EAST EXIT (MEGRO-EKI-MAE bus stop)  
 \* take (品93) metropolitan bus bound for OHI-KEIBAJI  
 >> get off at SHIROKANEDAI-EKI-MAE  
 \* take (黒77) metropolitan bus bound for SENDAGAYA-EKI-MAE  
 (or take (橋86) metropolitan bus bound for SHINBASHI-EKI-MAE or TOKYO TOWER)  
 >> get off at TODAI-KAKENBYOIN-NISHIMON

**SHINAGAWA** ● From JR-SHINAGAWA-STATION (SHINAGAWA-EKI-MAE bus stop)  
 \* take (品93) metropolitan bus bound for MEGRO-EKI-MAE  
 >> get off at SHIROKANEDAI-EKI-MAE

**HIROO** ● From HIROO-STATION on the Metro HIBIYA LINE (HIROO-BASHI bus stop)  
 \* take (黒77) or (橋86) metropolitan bus bound for MEGRO-EKI-MAE  
 >> get off at TODAI-KAKENBYOIN-NISHIMON



<https://www.ims.u-tokyo.ac.jp/imsut/en/access/access/>

<https://www.ims.u-tokyo.ac.jp/imsut/en/>



4-6-1, Shirokanedai, Minato-ku, Tokyo, 108-8639, Japan TEL/(+81)-3-3443-8111

# THE INSTITUTE OF MEDICAL SCIENCE THE UNIVERSITY OF TOKYO



## GRADUATE PROGRAM

For foreign students





Located on Shirokane Heights in central Tokyo,  
the campus is nevertheless lush green.  
IMSUT is the core institute for medical research and  
the development of advanced medicine connecting Japan to the world.  
IMSUT promotes cutting-edge education and research in a fertile environment.

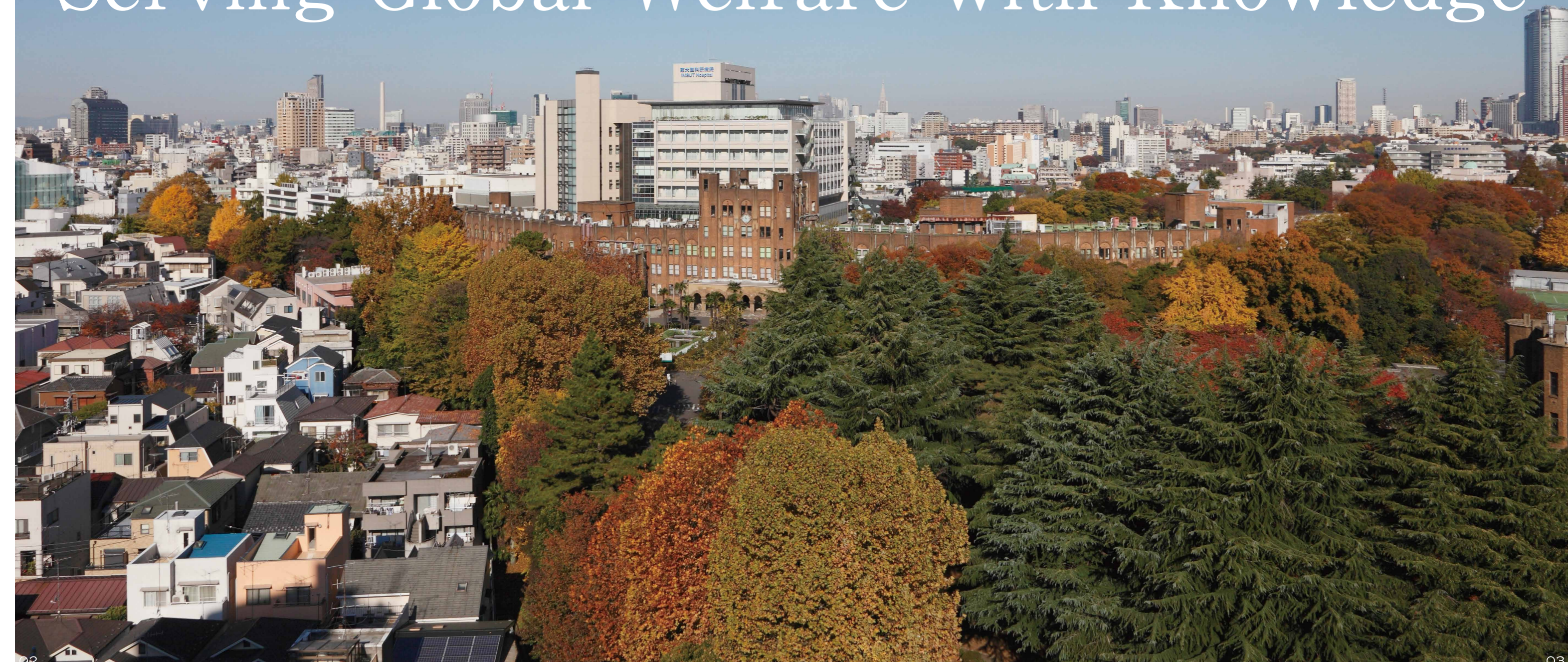
Enjoy freedom and diversity, and push advances at the global cutting edge.  
Create unexplored medical science based on original questions and ideas.

IMSUT, an international center for cutting-edge medical science and advanced medical development, provides graduate students with a place to study and experience being part of world-leading research. Making full use of the latest facilities, equipment and medical technology including AI implemented on the in-house supercomputer "SHIROKANE" along with advanced medical treatments at IMSUT hospital, we promote interdisciplinary research in which various disciplines such as information science, natural science, engineering, agriculture, pharmacy, medicine, ethics/public policy studies, etc. can synergistically inspire new breakthroughs, with "medical science" as the keyword. In this way, we promote advanced medical approaches such as gene/virus/cell therapy, vaccine/immunotherapy, and AI medical care. In this unique environment where the world's top scientists gather, diverse and motivated graduate students are growing beyond the boundaries of individual graduate schools. We expect graduate students, who will be responsible for the future development and welfare of all human society, to enjoy this research environment that values freedom and diversity, to create medical science based on their own questions and ideas, and to be active at the cutting edge of global advances.



The 28th Dean of IMSUT  
Yuji Yamanashi, Ph.D.

# Serving Global Welfare with Knowledge





# 01 The Fusion of Tradition with the State of the Art

Tradition and state of the art since 1892.  
IMSUT is a highly distinctive research institute  
for medical science affiliated with the University of Tokyo.



## Founded to Conquer Infectious Diseases

IMSUT's forerunner, the Institute for Infectious Diseases, was founded as a nongovernmental institute under the private Japan Society for Health and Hygiene to conquer infectious diseases, the biggest medical problem of that time. Dr. Shibasaburo Kitasato, who had achieved great research success in Germany, was recruited to be the founding director. The institute conducted medical research to elucidate infectious diseases, offered cutting-edge therapies to save patients suffering from disease, and provided educational outreach on preventing infection. Responding to the changing needs of the times, in 1967 the Institute for Infectious Diseases became the Institute of Medical Science when it underwent reorganization so as not to limit its research to infectious diseases, but to include cancer and other intractable illnesses among its targets as well. As a research institute affiliated with the University of Tokyo, the name "Institute of Medical Science" denotes that within the field of medicine, researchers here should be allowed freedom to choose their own important subjects.

**[History of the Institute]** ●1892/Foundation of the Institute for Infectious Diseases ●1899/Reorganization to the Government Institute for Infectious Diseases, under the control of the Ministry of Home Affairs ●1906/Relocation of the Institute to Shirokanedai, its current location ●1914/Reorganization under the Ministry of Education ●1916/Incorporation into the Tokyo Imperial University ●1947/Reorganization of the Tokyo Imperial University into the University of Tokyo ●1967/Reorganization into the Institute of Medical Science ●2000/Reorganization into three departments ●2001/Establishment of the Medical Science Museum ●2003/Completion of the general research building and hospital building ●2004/Reorganization of the University of Tokyo as a national university corporation

## Boasting its own Hospital, the Largest Medical Science Research Institute in Japan

Located on a hill in Shirokane and surrounded by greenery, the Shirokane campus encompasses many buildings that together house nearly 1000 faculty members and staff, post-doctoral fellows and graduate students devoting their energies toward the advancement of medical research and the development of cutting-edge medicine.

IMSUT has always worked on challenging research projects that address important human health needs, and has achieved great scientific advances. With its distinction of possessing its own hospital and being the largest medical science research institute in Japan, IMSUT has great ability to advance "bench to bedside" and "basic to applied" research. Aiming at controlling infectious diseases, cancer, and other intractable diseases such as immune disorders or neuromuscular diseases, we will develop project-type research on genomic medicine, regenerative medicine, and disease model animals. Also we are promoting advanced medical approaches such as gene/virus therapy, cell therapy, pioneering vaccine development and AI medical care. At IMSUT, we pursue both research based on individual initiative and creativity, and research that targets specified objectives so as to produce world-leading research findings and medical therapies. In that pursuit, we provide educational programs and foster young scientists.



# 02 Research Departments and Centers

Three departments for basic research and  
a cluster of mission-oriented research centers built up  
of individual laboratories that pursue more distinctive research.



## Research Departments

### Department of Microbiology and Immunology

○Division of Virology ○Division of Infectious Genetics  
○Division of Molecular Virology ○Division of Vaccine Science ○Division of Malaria Immunology

### Department of Cancer Biology

○Division of Molecular Pathology ○Division of Genetics ○Division of Cancer Cell Biology

### Department of Basic Medical Sciences

○Division of Neuronal Network ○Division of Cell Signaling and Molecular Medicine

## Research Centers/Facilities

### Human Genome Center

○Laboratory of Genome Database ○Laboratory of Molecular Medicine  
○Laboratory of Genome Technology ○Laboratory of Sequence Analysis  
○Laboratory of Functional Analysis in silico ○Department of Public Policy  
○Division of Medical Data Informatics ○Division of Health Medical Intelligence

### Center for Experimental Medicine and Systems Biology

○Division of Stem Cell Pathology ○Laboratory of Innate Immunity  
○Laboratory of Reproductive Systems Biology  
○Laboratory of Genetically Engineered Mouse Research ○Division of Genome Engineering

### Advanced Clinical Research Center

○Division of Molecular Therapy ○Division of Cellular Therapy  
○Division of Infectious Diseases ○Division of Clinical Genome Research  
○Division of Innovative Cancer Therapy ○Division of Advanced Medicine Promotion  
○Division of Advanced Genome Medicine ○Division of Bioethics

### Center for Stem Cell Biology and Regenerative Medicine

○Division of Regenerative Medicine ○Division of Stem Cell and Molecular Medicine  
○Division of Stem Cell Transplantation ○Division of Stem Cell Signaling  
○Division of Stem Cell Processing ○Division of Stem Cell Pathology  
○Division of Stem Cell Biology · FACS Core Laboratory · Stem Cell Bank

### International Research Center for Infectious Diseases

○Department of Special Pathogens ○Department of Infectious Disease Control  
· Division of Viral Infection · Division of Systems Virology  
○Pathogenic Microbes Repository Unit

### International Research and Development Center for Mucosal Vaccines

○Division of Mucosal Barriology ○Division of Innate Immune Regulation  
○Division of Clinical Vaccinology ○Division of Mucosal Vaccines ○Division of Mucosal Symbiosis

### Center for Gene & Cell Therapy

○Division of Molecular and Medical Genetics

### Laboratory Animal Research Center

○Division of Animal Genetics

### Amami Laboratory of Injurious Animals

### Medical Proteomics Laboratory

### Research Center for Asian Infectious Diseases

### Laboratory of Molecular Genetics

## Corporate Sponsored Research Programs/Social Cooperation Research Programs

○Division of Molecular and Developmental Biology ○Division of RNA Medical Science  
○Division of International Advanced Medical Research  
○Division of Fundamental Study on Cutting Edge of Genome Medicine  
○Division of Advanced Biopharmaceutical Science ○Division of Cancer Biomolecular Therapy  
○Division of Genomic Medicine and Disease Prevention

## IMSUT Hospital

○Department of Hematology/Oncology ○Department of Infectious Diseases and Applied Immunology  
○Department of Rheumatology and Allergy ○Department of General Medicine  
○Department of Applied Genomics ○Department of Radiology  
○Department of Palliative Medicine ○Department of Diagnostic Pathology  
○Department of Surgery ○Department of Anesthesia ○Department of Joint Surgery  
○Department of Surgical Neuro-Oncology ○Department of Cell Processing and Transfusion  
○Department of Laboratory Medicine ○Center for Translational Research  
○Center for Antibody and Vaccine Therapy ○Therapeutic Vector Development Center  
○Department of AIDS Vaccine Development

## Research Support Facilities

○Gene Manipulated Mouse Section ○Pathology Core Laboratory ○Imaging Core Laboratory  
○Super Computers ○Animal Center ○Office of Health and Safety ○Office of Research Ethics  
○Library ○IT Service Room ○Photographic Laboratory  
○Genetically Modified Microorganisms Support Office

## Organization of IMSUT

IMSUT consists of three basic research departments such as Dept. of Microbiology and Immunology, Dept. of Cancer Biology, and Dept. of Basic Medical Sciences, seven mission-oriented centers, affiliated facilities, IMSUT Hospital and corporate sponsored or social cooperation research programs. The departments and centers are composed of laboratories advancing research and projects with their own distinctive imprint. In addition, various core laboratories, shared facilities and support offices have been set up to support research.





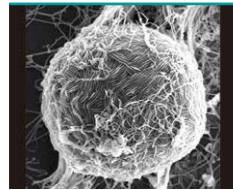
# 03 Research Projects

Various laboratories and scientists have been assembled on the Shirokane Campus, and pursue either research freely based on their own ideas and creativity or mission-oriented research.



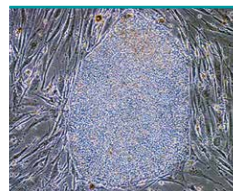
## 1. Projects to implement artificial intelligence-based genomic medicine

Using a supercomputer, SHIROKANE, dedicated to data science, studies are carried out on analyzing human genome data, individual genomes and cancer genomes, and on development of bioinformatics data analysis technologies. Furthermore, using artificial intelligence, achievements have been made in unraveling disease predisposition and drug efficacy and adverse effects for the implementation of genomic medicine. In addition, we provide databases for investigations of the human genome.



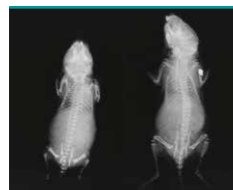
## 2. Research projects to control infectious diseases and inflammatory diseases

These projects focus on Influenza virus, Herpes simplex virus, and Malaria parasites. Molecular and cellular mechanisms behind infection, pathogen sensing, and host responses are studied. We try to develop vaccines to control a variety of infectious diseases. We also study pathologic mechanism behind inflammatory diseases and are developing a novel therapy to control autoimmune diseases.



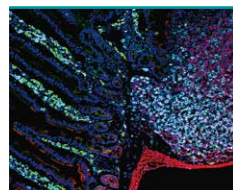
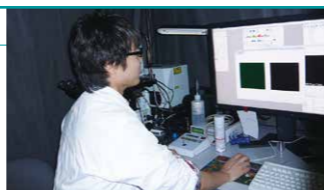
## 3. Basic stem cell biology and applications research

We are conducting research with the purpose of elucidating disease mechanisms and developing new therapies using pluripotent stem cells (e.g., human iPS cells) and somatic stem cells (e.g., hematopoietic stem cells). In particular, we are broadly pursuing development based on basic research, such as that involving analysis of stem cell regulatory mechanisms and of disease models using iPS cells, to arrive at practical applications in clinical settings, such as the development of stem cell manipulation technology.



## 4. Elucidation of mechanisms involved in human carcinogenesis

Making full use of molecular biological approaches, genetic techniques, proteomics, animal models, mathematical simulations etc., we are elucidating function of molecules that play a key role in carcinogenesis, or are associated with proliferation, invasion, metastasis, and malignant transformation of cancer cells, with the aim of applying these insights to the clinic.



## 5. Elucidation of mechanisms involved in acquisition and maintenance of immunity

International Research and Development Center for Mucosal Vaccines (IMV) aims to conduct basic research for molecular and cellular understanding of the mucosal immune system, and to contribute to develop novel vaccines, diagnostics and therapeutics that will enable us to control emerging/reemerging infectious diseases as well as non-communicable diseases such as cancer, allergy, diabetes, and atherosclerosis.



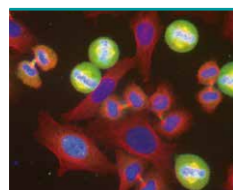
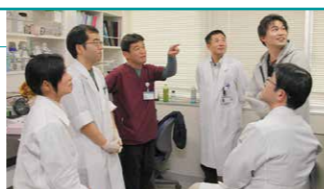
## 6. Animal model projects to understand disease mechanisms and develop therapies

By developing animal models of various human diseases, we are advancing research into clarifying the mechanisms of disease development and progression. We establish and analyze a variety of genetically engineered mouse/rat models, and are contributing to biomedical research in uncovering gene function at the organismal level and developing novel therapies.



## 7. Cutting-edge translational research

Concurrently with performing clinical trials using oncolytic (cancer killing) herpes viruses in patients with malignant brain tumors, we develop therapeutic recombinant viruses with various antitumor functions, novel oncolytic vaccinia viruses, and new drugs targeting activated signal molecules in cancer cells.



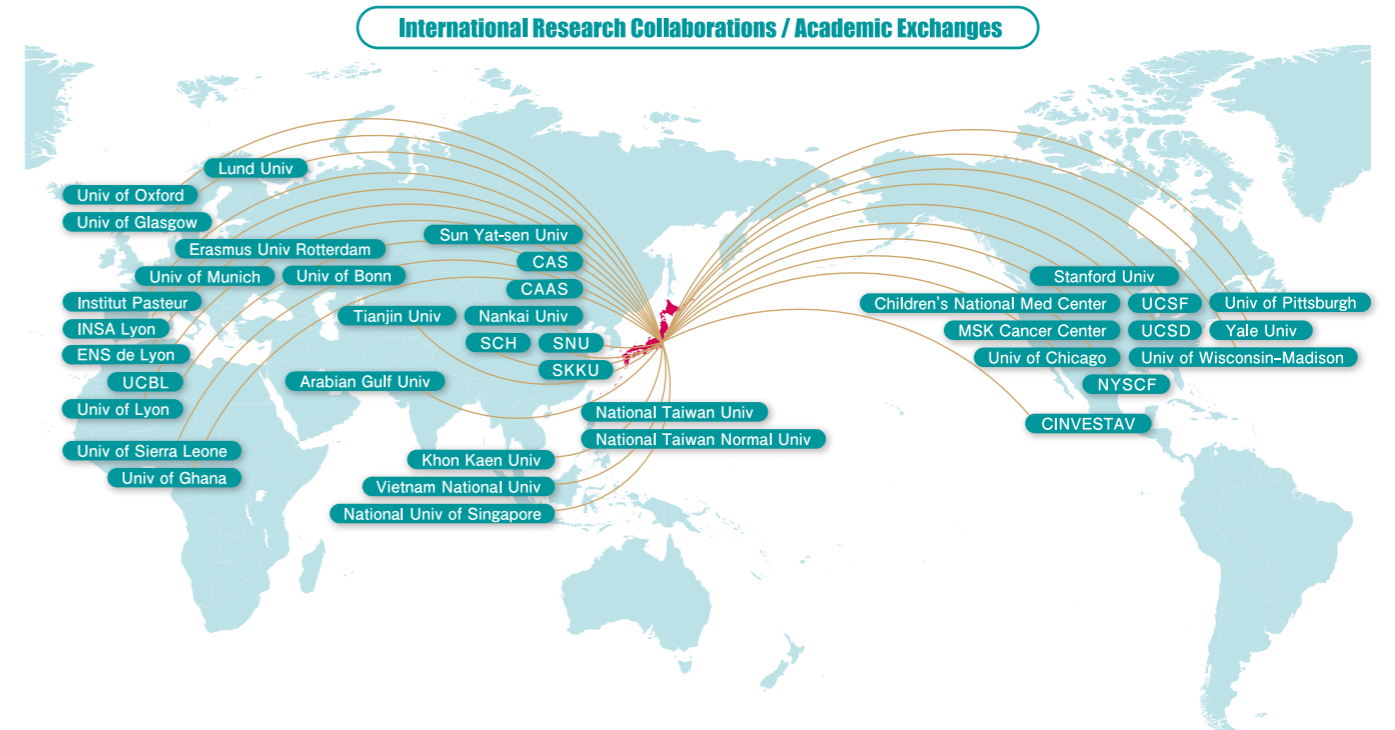
## 8. Basic medical research

To contribute toward the development of various fields of medical sciences, we pursue original basic life science. Focusing on the regulatory mechanisms of disease-related signal transduction networks and of higher brain functions, we advance a variety of research projects at the molecular, cellular and organismal levels.



# 04 Center for Global Research and Education

Via international research activities and international academic exchange we are contributing to the expansion of medical science and the training of young scientists to lead the next generation.

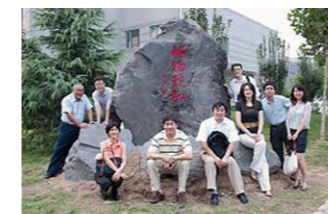


## Forming a Center for Advancement of International Research Collaboration and Global Education

In 2018, IMSUT was officially authorized by the Minister of Education, Culture, Sports, Science and Technology, Japan, as the only International Joint Usage/Research Center among the national university-affiliated research institutes of Japan serving the life science field. We advance collaborative research in a global framework, expanding science and training a global workforce.

### International Research Activities

Many laboratories at IMSUT are conducting research collaborations with overseas research institutions. In the field of infectious diseases, we maintain overseas Japan-China joint laboratory facilities in the Institute of Microbiology and Institute of Biophysics, Chinese Academy of Sciences in Beijing, where IMSUT scientists have been posted since 2005. In addition, we carry out international research collaborations on the forefront of science with Yale University(USA), Stanford University(USA), the University of Chicago Medicine(USA), University of Oxford(UK), Institut Pasteur(France), University of Munich(Germany) and the Harbin Veterinary Research Institute, Chinese Academy of Agricultural Sciences. Also, to promote international research collaboration further, the University of Tokyo New York Office was established as a hub for academic-industrial partnerships in the USA in 2015.



### International Academic Exchange

IMSUT has concluded academic exchange agreements with Institut Pasteur, ENS de Lyon, the University of Chicago Medicine, and the Chinese Academy of Sciences, etc., promoting international academic liaison and human contact as much as possible. Our graduate students and young scientists enthusiastically present their findings every year at the "East Asia Joint Symposium," held cooperatively by 9 institutes in East Asia and the "International Symposium of the Institute Network for Biomedical Sciences" which is organized by 12 institutions in life science affiliated with Japanese national universities. Furthermore, students receive support for short-term overseas dispatches to present at overseas meetings or participate in research collaboration and training. These activities not only contribute toward scientific training, but are also useful for creating new research ideas and expanding international research collaborations.





# 05 Graduate School Education

Our education policy is to  
 “cultivate researchers who can play active roles in society”.



## Productive educational environment that cultivates internationally recognized researchers

We supplement the graduate school curricula with many learning opportunities such as a huge variety of educational seminars, symposia, technical seminars, supercomputer training sessions, and an advanced medical care laboratory course for non-M.D. students to cultivate outstanding researchers with extensive knowledge. Many seminars are held in English and so you can take advantage of them to improve your English communication skills. We encourage doctoral course students to make presentations at international conferences.

### <Educational Program>

#### Educational Seminars

The graduate seminar series consists of weekly seminars, provided by first-class researchers from around Japan, on a theme freshly chosen each year. Also, we hold many other different types of seminars for graduate students such as Institutional Seminars and International Joint Usage/Research Center Seminar series in which invited domestic/international researchers working in research institutions give lectures.

#### Advanced Medical Care Laboratory Course for non-M.D. students

This is a special program that only IMSUT, as an institute with its own affiliated hospital, can offer. Here we offer an overview of medicine course as well as more focused courses on medical ethics, nursing, drug therapy, translational research and clinical psychology that participants can experience in small groups, observing actual examinations, treatments, nursing and advanced medical development conducted in IMSUT hospital.

### <Student Life Support Program>

#### Financial Support System

We have several financial support programs such as a tuition waiver program, Grant for PhD Research Program, Research Assistant Program and Teaching Assistant Program. The grant for PhD Research Program supports academic pursuits by outstanding doctoral students and places these students in scientific research assignments that are essential for enhancing the quality of scientific research. The Research Assistant Program offers doctoral students opportunities to take part in research projects as well as to effectively conduct research and education activities. The Teaching Assistant Program provides graduate students with opportunities for remunerated work as tutors to help undergraduate students with their studies in laboratories and seminars.

#### One-Stop Counseling Office

Within our institute an office has been established where a specialist provides counseling on a walk-in basis. Counseling is provided on any matter, be it troubles with personal relationships, academic affairs, mental health, career options/finding employment, legal problems, dating, health matters, developmental disorder, information retrieval, etc. We will think together with you on how to solve your problems, and can also introduce you to appropriate places for consultation outside the University. Consultation is also offered over the phone.

### <Career Path Support>

#### Job-Hunting Support/Foreign Study Support

Career path support seminars and homecoming seminars are held, where students can hear about actual experiences from alumni and individuals on the front lines of industry. It is possible to find the foreign study destination one desires by participating in international academic meetings and symposia, and enthusiastically taking advantage of opportunities for short-term dispatches for research collaboration.

#### Honors System

For graduate students with outstanding achievements, we confer “Outstanding Student Publication” awards. In addition, “Founding Commemorative Best Poster” awards are given to young scientists at the annual IMSUT Founding Commemorative Symposium.



## Admissions Policy ..... To Lead the Life of a Graduate Student at IMSUT

Graduate students from various fields and a variety of universities have been gathered at IMSUT. Regardless of background, field or age, they apply themselves unreservedly to their studies and research in an atmosphere of freedom.

Although IMSUT does not have its own graduate school, our faculty members provide graduate education by supporting various graduate schools headquartered in other campuses of the University of Tokyo. Therefore, if you want to become a graduate student and receive guidance from a specific faculty member of IMSUT, you first have to know which graduate school he/she belongs to. Aside from individual laboratory websites, it is possible to learn about each laboratory’s research at the graduate school orientation held at IMSUT each spring. In addition, you can get more detailed information about the research and atmosphere of specific laboratories by visiting the laboratory of interest and directly inquiring with the professor after making an appointment by e-mail to visit. It is recommended to contact the professor of interest before applying, to confirm which graduate school’s entrance examination to take.

List of Supervisors ▶ <https://www.ims.u-tokyo.ac.jp/imsut/en/education/supervisor/>

Together, our faculty members support the following 8 graduate schools.

Graduate School Mission Statement

▶ [https://www.ims.u-tokyo.ac.jp/imsut/en/admission/link\\_dep/](https://www.ims.u-tokyo.ac.jp/imsut/en/admission/link_dep/)

#### Graduate School of Frontier Sciences

It is made up of the Division of Transdisciplinary Sciences, the Division of Biosciences, and the Division of Environmental Studies. All of them share the mission of solving the challenging problems facing humankind through the pursuit of education and research on the frontiers derived from established disciplines.

▶ <https://www.k.u-tokyo.ac.jp/index.html.en>

#### Graduate School of Medicine

The aims of the Graduate School of Medicine are to promote advanced research that will contribute to breakthroughs in our understanding of the mechanisms of life, conquest of diseases, and improvements in health, as well as to produce international leaders who possess outstanding scholastic competence and a high level of creative research ability.

▶ <http://www.m.u-tokyo.ac.jp/english/>

#### Graduate School of Science

The goal of our education is to foster researchers and leaders conducting pioneering research at the frontlines of various scientific fields, those acting as core members of international and interdisciplinary research projects, and those contributing to the industrial community and society through their research and other activities.

▶ <https://www.s.u-tokyo.ac.jp/en/>

#### Graduate School of Agricultural and Life Sciences

The school consists of 12 departments and 8 affiliated institutions, and covers broad fields of research that constitute the fundamentals for developing the agricultural life sciences in the 21st century. Many agreements on academic exchange between foreign universities have been established.

▶ <https://www.a.u-tokyo.ac.jp/english/>

#### Graduate School of Pharmaceutical Sciences

The mission of our graduate school is to achieve the highest standard in academic research as well as in education to foster outstanding scientists in pharmaceutical sciences, future leaders in governmental policies on medical and pharmaceutical affairs, and pharmaceutical specialists and pharmacists in advanced medicine.

▶ <http://www.f.u-tokyo.ac.jp/en/>

#### Graduate School of Information Science and Technology

Our graduate school is structured to organically pool the wisdom and intelligence of information science and technology at the University of Tokyo, and thereby emerge as an innovative base of graduate school level education and research targeting advanced information science and technology that serves the needs of the 21st century.

▶ [https://www.i.u-tokyo.ac.jp/index\\_e.shtml](https://www.i.u-tokyo.ac.jp/index_e.shtml)

#### Graduate School of Engineering

Our goal is to cultivate individuals able to responsibly apply engineering to research, development, planning, design, production, commerce and public policies, and boldly take up the challenge of contributing to the sustainability and development of human society by pioneering unexplored fields and technological innovations.

▶ <http://www.t.u-tokyo.ac.jp/soee/>

#### Graduate School of Interdisciplinary Information Studies

With a distinctive interdisciplinary approach that takes a broad view of information science, our objective is to offer society a continuous source of highly trained specialists able to acquire information in a rich diversity of disciplines. Alone among the five programs we offer, our Program on Information, Technology and Society in Asia is taught exclusively in English.

▶ <http://www.iii.u-tokyo.ac.jp/>

Entrance Examination ▶ <https://www.ims.u-tokyo.ac.jp/imsut/en/admission/info/>

## Graduate School Orientation

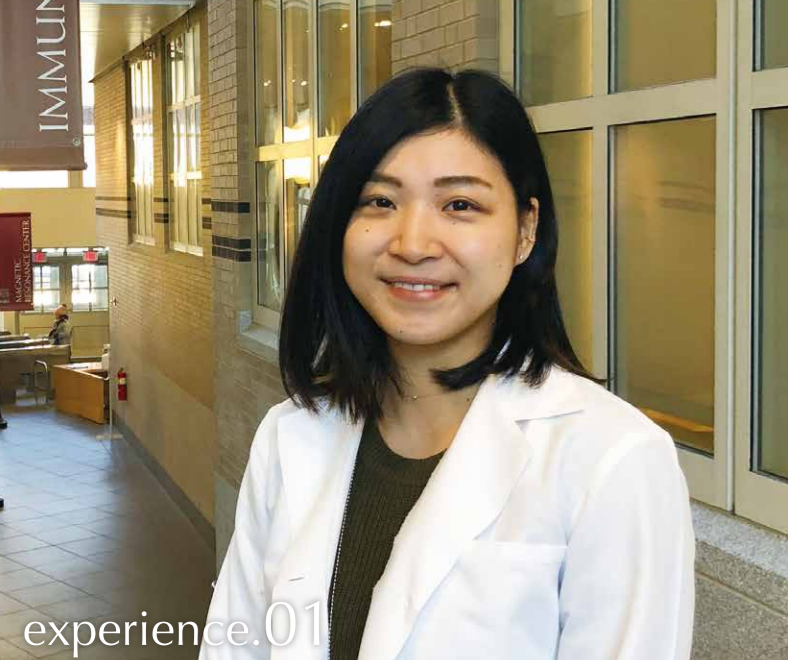
Every spring, we hold an orientation session at IMSUT for people thinking about going on to a master/doctoral course in any of the graduate schools we support. During the orientation, faculty members able to accept graduate students introduce both their own research and the entrance examinations of the graduate school(s) they support. This annual orientation also includes a get-together party (free of charge) where you can meet faculty members and ask them questions directly.



## Entrance Examination

The information on entrance examinations differs depending on the graduate school. Please refer to the latest information available from the graduate school you wish to enter.





## Advantage for Aiming to Become a Scientist

### Miyu Moriyama

Present position : Postdoctoral Fellow, Yale School of Medicine, USA  
/ From Division of Viral Infection,  
International Research Center for Infectious Diseases

To research infectious disease, I joined the Institute of Medical Science, the University of Tokyo (IMSUT) as a graduate student and am now continuing to work on influenza as a postdoctoral fellow at Yale School of Medicine. Looking back at my time as a grad student, I now appreciate what an advantage it was to be a student at IMSUT, an institute that led the world in the field of infectious disease for many decades since its foundation. We students always felt the excitement of being at the forefront of world-level research, and such excitement widened our perspective on new research. Not only do faculty members of IMSUT provide enthusiastic mentoring, but students also have many opportunities to meet with prominent professors from across the globe through seminars. It was a great opportunity to understand recent trends in the field. IMSUT attracts graduate students from various backgrounds, and such diversity creates a great environment to work hard and improve each other. IMSUT is certainly the best choice to start your path toward a career in science.

experience.01

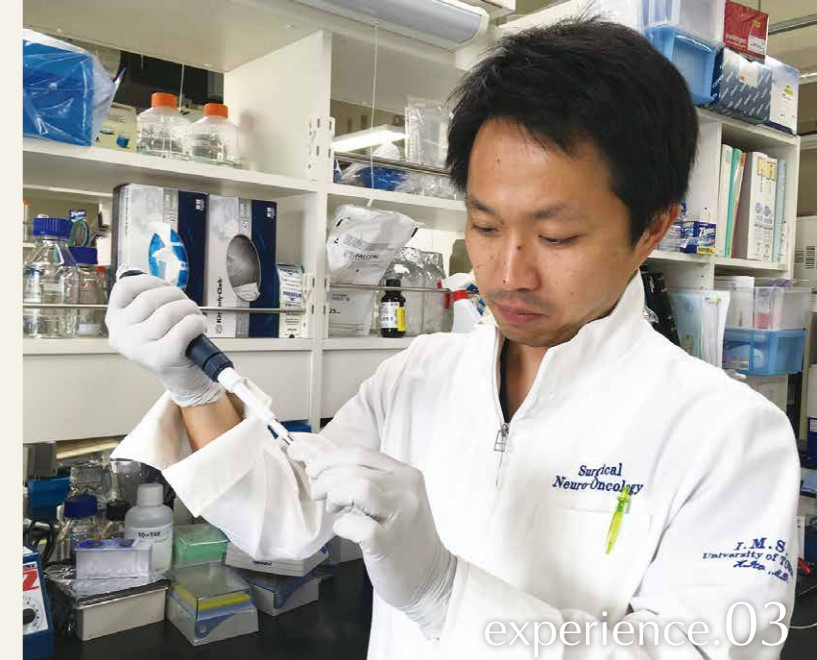
experiences of graduates

## A Place to Lay the Foundation for Your Research Life

### Hirotaka Ito

Present position : Assistant Professor,  
Division of Innovative Cancer Therapy, IMSUT  
/ From Division of Innovative Cancer Therapy

My motivation for starting research at IMSUT comes from the need to develop a new treatment that would improve the prognosis for patients with malignant brain tumors. As a neurosurgeon, I was engaged in treating patients with various diseases and saw firsthand that patients with malignant brain tumors did not benefit much from treatments developed for other cancers. While studying in the doctoral program as a Research Fellow of the Japan Society for the Promotion of Science, I conducted my research on the development of viral therapies for malignant brain tumors using genetically modified herpesviruses. As a member of the team, I was also involved in a clinical trial of viral therapy for malignant brain tumors that was being carried out at IMSUT Hospital. After completing the doctoral program, I studied abroad at Harvard Medical School and was able to continue my research and development of virus therapy as a postdoctoral fellow. Especially when you start studying something, it is important to study actual experiences. Laying the foundation of your research life with graduate study at IMSUT with its world-class advanced research will provide a major leap for your future.



experience.03

experiences of graduates



experience.02

## A Place Where the Boundary Limits of Your Discipline Dissolve

### Alexis Vandebon

Present position : Lecturer, Institute for Frontier Life and Medical Sciences and Institute for Liberal Arts and Sciences, Kyoto University  
/ From Laboratory of Functional Analysis in silico

I received my Master's degree in Belgium, and joined IMSUT as a Ph.D. student with a Monbukagakusho Scholarship. I did my study in the field of bioinformatics, focusing on the computational analysis of gene regulation. It was a great pleasure to study in IMSUT; I was surrounded not only by experienced researchers, but also by diligent students. Together, we studied biology, bioinformatics, statistics, and machine learning. Moreover, IMSUT also provided me and my fellow students with the latest technology for computational analysis of large-scale biological data. Last but not least, it also gave me opportunities to start collaborations with world-renowned immunologists. This helped me continue my career as a scientist after my graduation, first as a postdoctoral researcher in the Immunology Frontier Research Center (Osaka University), and now as a Lecturer in the Institute of Frontier Life and Medical Sciences (Kyoto University), where I continue to study the regulation of gene expression, in particular in the immune system.

## An Environment Where You Can Immerse Yourself in Cutting-edge Research

### Yuki Usui

Present position : Researcher, Chugai Pharmaceutical Co., Ltd.  
/ From Division of Innate Immune Regulation  
/ Project Division of Systems Immunology Research

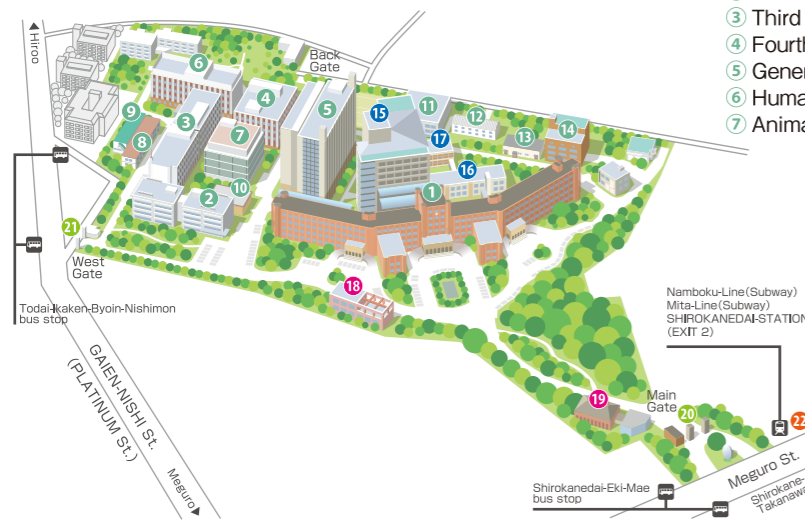
I spent 5 years at IMSUT. It is a wonderful environment where you can immerse yourself in cutting-edge research amidst top-class laboratories, and engage in scientific exchange among researchers. I also had the opportunity to study abroad using the Program for Leading Graduate Schools by JSPS (Japan Society for the Promotion of Science) while studying in graduate school. Through my graduate study, I was able to gain a cross-disciplinary perspective, deepening my expertise in my own research field. Currently, I am involved in the development and manufacture of biopharmaceuticals as a researcher at Chugai Pharmaceutical Co., Ltd. Based on the research skills and thoughts cultivated at IMSUT, I would like to continue my research and contribute toward providing innovative medicines for patients. Finally, I would like to express my sincere appreciation to my mentor who guided me and all who helped me along the way.



experience.04

experiences of graduates

## Campus Map



- ① First Building
  - ② Second Building
  - ③ Third Building
  - ④ Fourth Building
  - ⑤ General Research Building
  - ⑥ Human Genome Center
  - ⑦ Animal Center
  - ⑧ Human Genome Center (annex)
  - ⑨ Crest Hall
  - ⑩ Amgen Hall
  - ⑪ Open Laboratory Building
  - ⑫ Research Building (annex)
  - ⑬ Core Facility for Therapeutic Vectors
  - ⑭ Clinical Research Building A
  - ⑮ Hospital Building A
  - ⑯ Hospital Building B
  - ⑰ Hospital Building C
  - ⑱ Shirokane Hall
  - ⑲ Medical Science Museum
  - ⑳ Main Gate
  - ㉑ West Gate
  - ㉒ SHIROKANEDAI-STATION (EXIT 2)
- NAMBOKU-LINE (Subway)  
● MITA-LINE (Subway)



campus events: Various events are held to enrich campus life and student interaction every season.

