The University of Tokyo
New York Office

Opening seminar
Opening ceremony
Meeting in NY Office
Collaboration research

The University of Tokyo (UTokyo) was established in 1877 as the first national university in Japan. Since its foundation, the UTokyo has served as an academic base for fusing Western with Eastern cultures, developing academic disciplines unique in the world and conveying knowledge gained from them to the international community. Carrying on this tradition, we are committed to contributing to the peace and welfare of all society and humankind by pressing forward with our academic activities.

As a globally oriented research university, the UTokyo conducts research across the full spectrum of academic areas and offers courses in essentially all academic disciplines. The UTokyo is a vibrant community in which world-class researchers work together with excellent students from Japan and more than 100 countries. Currently the UTokyo has over 4,500 faculty members and a total enrollment of about 27,000 students, about 10% of whom are international scholars and students. The university places strong emphasis on cooperation and links at all levels of research and education, both interdisciplinary and international and on collaboration with organizations in industry, government and academia worldwide.

Please visit our website www.u-tokyo.ac.jp/en/ for more information of the University of Tokyo.

Participating institutes of UTokyo
Institute of Industrial Science (IIS) and the Institute of Medical Science (IMSUT) co-founded the University of Tokyo New York Office in 2015. Currently, our New York Office is operated and managed by the two institutes of UTokyo.

Our activities
- Development of collaborative research platforms for science and technology
- Promotion of joint educational activities with universities and institutes
- Planning and organization of joint symposiums and seminars
- Provision of information to researchers who wish to collaborate or cooperate with The University of Tokyo

Our missions
- Returning dividends to society with our research findings
- Cultivating exceptional talent in the next generation
- International academic exchange and research collaboration

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The University of Tokyo

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Institute of Industrial Science (IIS), the University of Tokyo was established in 1949. It is one of the largest university-associated research institutions in Japan. More than 110 faculty members run their own laboratories, which attract more than 1,000 researchers and 650 graduate students from inside and outside of Japan. IIS covers almost all the areas of engineering disciplines from micro and nano scales such as quantum levels to large scales such as the global level and space. Research in IIS concerns the most advanced technologies which are sometimes close to everyday life, and can be useful in tomorrow’s world. IIS is very active in cooperating with industry. All IIS researchers welcome contacts from researchers and engineers in companies.

Since its foundation, IIS has worked to bridge the huge gaps that exist between academic disciplines and real-world applications. Through the pursuit of its mission to tackle the problems lying between engineering science and practice, and foster the next generation of engineers who will fulfill major roles in tomorrow’s industry, IIS has greatly contributed to industrial innovation by actively promoting collaboration between industry and academia. The capacity of IIS to cope with industrial practice originates from its flexible organizational structure, which allows it to dynamically organize interdisciplinary research activities, to initiate the formation of new research areas and explore solutions to practical issues in the real world.

Please visit our website www.iis.u-tokyo.ac.jp/en/ for more information of Institute of Industrial Science, the University of Tokyo.

Highlighted Activities

Microscaled cell-laden beads, fibers and plates are prepared by MEMS/microfluidic technology. These components are used as building blocks for the rapid fabrication of highly-dense, macroscopic and hierarchical 3D tissues.

Practical lectures on lens and optical instruments are offered and supported by the Nikon donated chair of imaging science. With lectures on optical theory and hands-on training on lens design, students can gain a wide variety of knowledge on optics from industrial researchers and production managers.

Each area has unique building materials. In Japan, we have large reserves of wood in forested mountain areas. We design new systems of architecture based on local materials.

We design analog LSIs which mimic neurons and synapses in the brain based on mathematical analysis. To construct information processing systems with the neuro-morphic analog LSIs, we also study computing architecture, programming frameworks, and algorithms. Our goal is to develop brain-morphic AI systems which can execute intelligent-and-autonomous information processing like the brain with low power consumption.
The Institute of Medical Science

The Institute of Medical Science, the University of Tokyo (IMSUT) was established by Prof. Dr. Shibasaburo Kitasato in 1892 as the Institute of Infectious Diseases (IID). It was then reorganized and underwent a name change from IID to IMSUT in 1967. At IMSUT, we search for the truth of biological phenomena and the principles of diseases, reconstitute the disease model and unveil the molecular and cellular mechanisms of illnesses. It is our mission to aim at innovative prevention and therapies on the basis of basic research sparked and driven by the investigators’ intellectual curiosity. We also conduct project-oriented research to respond to society’s needs by focusing on several timely topics of biomedical science. Moreover, we work to push back the frontiers of medical and biological science, and put our discoveries into practice as revolutionary therapies in our affiliated research hospital. Further, the Institute continues to contribute to the national and global research community in biomedical science as a collaborative hub for research with shared activities and facilities, including our high-level basic research and large-scale research facilities such as our supercomputer and affiliated hospital.

We are currently conducting basic research on cancer, infectious diseases, immune disorders, and other intractable and rare diseases. At the same time, we are expanding programs in genomic medicine, regenerative medicine and genetically engineered animal models to develop novel prevention, diagnostics and therapeutics. These pioneering research initiatives have earned international respect for their achievements. IMSUT also provides a practical model of a translational research center, serving as a bridge from bench to bedside for cutting-edge medical treatment, drug and vaccine development.

Please visit our website www.ims.u-tokyo.ac.jp/imsut/en/ for more information of The Institute of Medical Science, the University of Tokyo.

Research Projects

1. Infectious and allergic diseases
   1-1 Prophylactic approaches
   1-2 Therapeutic approaches

2. Cancer
   2-1 Development of innovative strategies for cancer diagnosis and therapy
   2-2 Brain tumor
   2-3 Breast cancer
   2-4 Lung cancer
   2-5 Pancreatic cancer
   2-6 Hepatocellular carcinoma
   2-7 Hematological malignancies

3. Genome medicine
   3-1 Big data analysis
   3-2 Genome-editing technology

4. Regenerative medicine, cell therapy, and stem cell research
   4-1 Stem cell, iPS cell, disease model, repair, immuno-modulation

5. Neurological and neuromuscular diseases
   5-1 Muscle atrophy, sarcopenia, amyotrophic lateral sclerosis
   5-2 Psychiatric and neurological diseases

For further information: utry.iis.u-tokyo.ac.jp/imsutprojects.html