

Inter-University Exchange Project (Russia)

Medical Science Exchange with Russia



筑波大学
University of Tsukuba

University of Tsukuba

About University of Tsukuba

In Numbers



Unique History of 45+101 Years

146 Years of History and Tradition

Founded as Higher Normal School (1872)

→ Tokyo University of Education (1949)

→ University of Tsukuba (1973)



International exchange



Campus-in-Campus Partner Universities

7 agreements

University-wide

143 agreements

Department level

212 agreements

as of Feb. 9, 2018

9 Undergraduate Schools

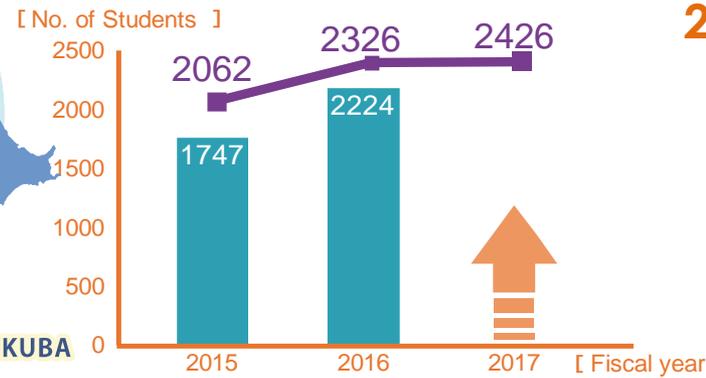
- Humanities and Culture
- Social and International Studies
- Human Sciences
- Life and Environmental Sciences
- Sciences and Engineering
- Informatics
- Medicine and Medical Sciences
- Health and Physical Education
- Art and Design

8 Graduate Schools

- Education
- Humanities and Social Sciences
- Business Sciences
- Pure and Applied Sciences
- Systems and Information Engineering
- Life and Environmental Sciences
- Comprehensive Human Sciences
- Library, Information and Media Studies

1 Integrative School

- School of Integrative and Global Majors (SIGMA)



■ No. of international students (as of May 1 every year)

■ No. of students studying abroad (Including students continuing from last year)

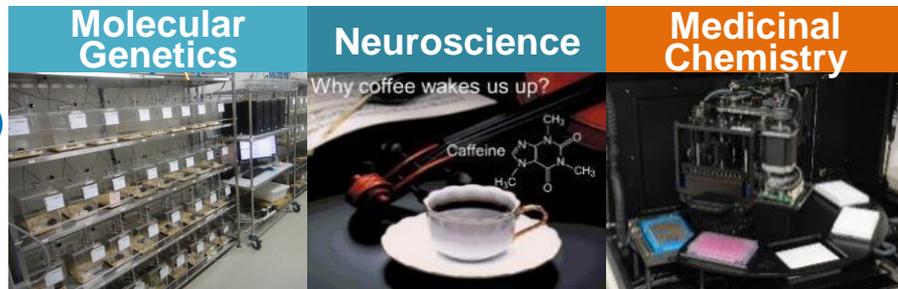


Next Generation R&D Moving toward the Future of the University of Tsukuba

World Premier International Research Center Initiative (WPI)

International Institute for Integrative Sleep Medicine (IIIS)

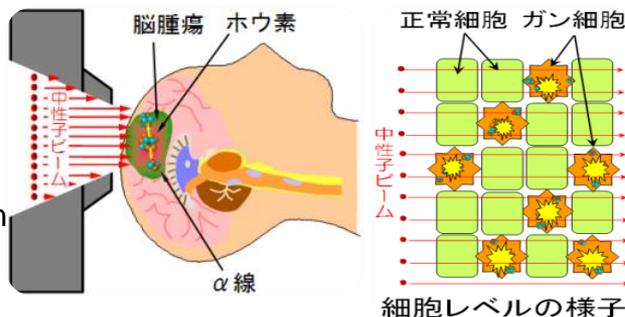
Core Researcher: Prof. Masashi Yanagisawa
 Molecular Mechanism and Control of Complex Behaviors
 Unravel the control mechanism of sleep, waking, and feeding behaviors, etc.



Development and Implementation of Boron Neutron Capture Therapy (BNCT)

Breakthrough therapy for cancer which has been difficult to cure until now

By administering a boron agent which accumulates exclusively in cancer cells and energy-regulated neutron irradiation over the area, the neutrons and boron react, and the discharged particles selectively destroys the cells.



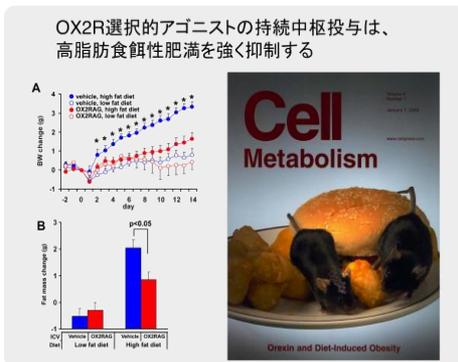
Participating Institutions
 University of Tsukuba, KEK, JAEA, Hokkaido University, Companies, and Ibaraki

Synthesis and Sharing of Information on Biomedical Science for the Creation of Future Medical Care

Global Science and Innovation Development Project

Commercialization and Productization for the Realization of Preventive Medical Care and Companion Diagnostics

1. Software Development for the Secondary Use of Personal Medical Information
2. Development of Medical Technology for a Super-Early Diagnosis
3. Clinical Image Informatics
4. Development of Effective Drug Discovery System



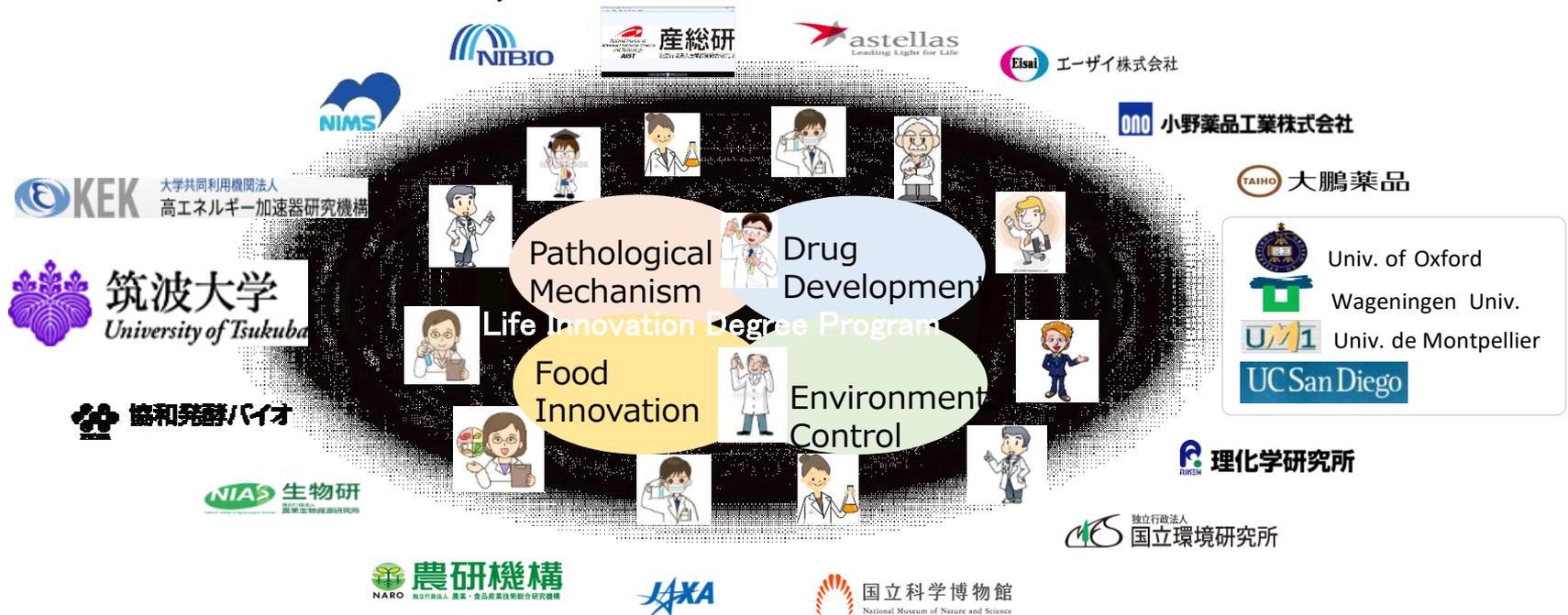
Innovation Medical Research Institute

Program in Life Science Innovation (Master's/Doctoral)

Goals

In-depth expertise in the area comes with the acquisition of elementary knowledge in the 4 areas of pathological condition, drug development, food, and environment, unprecedented new partnerships are made with a cross-cutting and higher perspective, and researchers and highly specialized professionals who can be active internationally in R&D on innovative drugs are fostered.

Students utilize bioresources, learn from resource hunting to productization coherently, and give back to society with the commercial viability of life science research outcomes made more efficient and accelerated.



Project Outline

Tsukuba International Strategic Zone

Partner Universities, etc. in Russian-Speaking Countries

Medical Science and Medical Care Fields

Exchange Implementing Universities 17 Universities and 1 Institution in 7 Countries

Russia

- M.V. Lomonosov Moscow State University
- Saint Petersburg State University
- Moscow City Teacher's Training University
- Kazan Federal University
- Far Eastern Federal University

Uzbekistan

- Tashkent State Institute of Oriental Studies
- University of World Economy and Diplomacy

Kazakhstan

- Al-Farabi Kazakh National University
- University of Naruhozu
- Nazarbayev University

Kyrgyzs

- Kyrgyz National University named after J. Balasagyn

Tajikistan

- Russian-Tajik Slavik University

Turkmenistan

- Dovletmamet Azadi Turkmen National Institute of World Languages

Russia

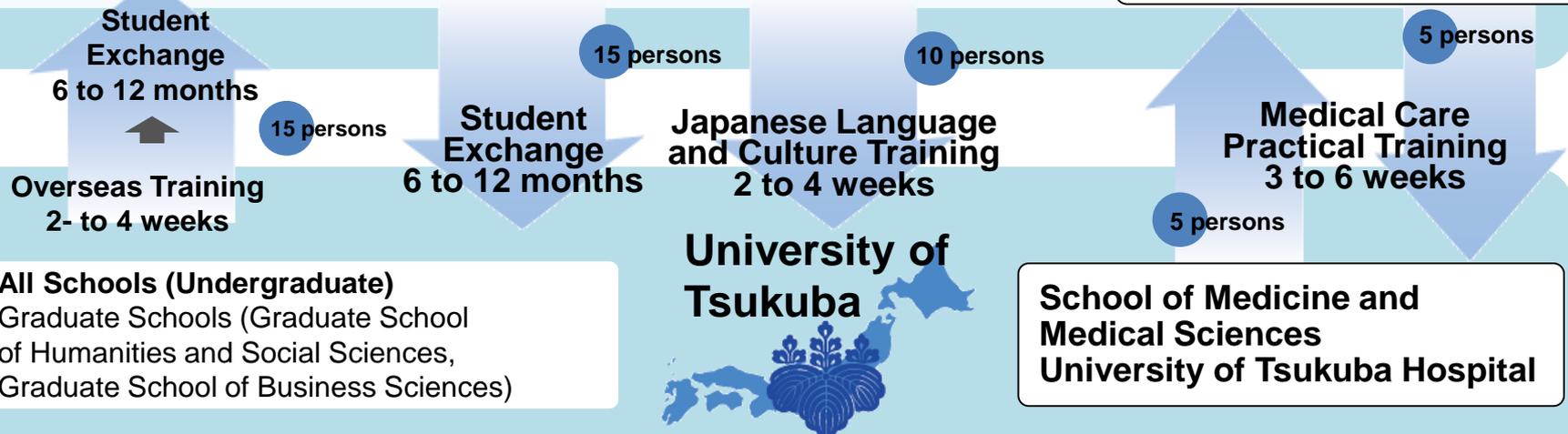
- Pirogov Russian National Research Medical University
- Pacific State Medical University
- Novosibirsk State Medical University
- Moscow State University
- Kazan Federal University

Kazakhstan

- JSC National Scientific Center for Oncology and Transplantation

Belarus

- Belarus State Medical University



Central Asia Office

External Cooperating Institutions (Tsukuba Global Innovation Promotion Agency, etc.)

Exchange Achievements (Student Dispatch)

Program-Wide Dispatch Achievements to Russia

Total No. of Dispatched Students

※ Estimated no. for AY 2018

	2014	2015	2016	2017	2018	計
Achievement and Prospective	25	56	33	39	35	188

Exchange Partner Universities

M.V. Lomonosov Moscow State University, Saint Petersburg State University, Moscow City Teacher's Training University, Kazan Federal University, Far Eastern Federal University, etc.

Dispatch Achievements in the Medical Science and Medical Care Fields

No. of Students to be Dispatched

(Medical Care Observation Training + Medical Care Practical Training)

※ The no. of dispatches in medical care practical training is in ().

※ Estimated no. for AY 2018

	2014	2015	2016	2017	2018	計
Achievement and Prospective	6	10	13(2)	9(1)	7(1)	45

Medical Care Practical Training Host

Pirogov Russian National Research Medical University (2 persons from trauma surgery and pediatrics)

Student Dispatch

Medical Care Practical Training

Clinical training for 1 month or 2 months at a medical school and hospital in Russia

AY	Host University	No. of People	Diagnosis and Treatment Dep't.
2016	Pirogov Russian National Research Medical University	2	Pediatrics
2017	Pirogov Russian National Research Medical University	1	Emergency Medical Care
2018	Pirogov Russian National Research Medical University	1	Urinology Digestive Surgery

Recognition of Credit:
Clinical Clerkship III (Overseas Apprenticeship) (11 credits)



Medical Care Observation Training

Exchange with medical school students, observation of medical institutions, etc. in Russia

AY	Host University	No. of People
2014	Pacific State Medical University (Vladivostok) Novosibirsk State Medical University	6
2015	Pirogov Russian National Research Medical University Belarus State Medical University	10
2016	Pirogov Russian National Research Medical University Nazarbayev University (Kazakhstan)	11
2017	Pirogov Russian National Research Medical University Novosibirsk State Medical University	8

Recognition of Credit:
Practice of Training Abroad on Medical Biology (1 credit)



Exchange Achievements (Student Acceptance)

Program-Wide Acceptance Achievements from Russia

Total No. of Accepted Students

※ Estimated no. for AY 2018

	2014	2015	2016	2017	2018	計
Achievement and Prospective	1	61	49	28	30	169

Exchange Partner Universities

M.V. Lomonosov Moscow State University, Saint Petersburg State University, Moscow City Teacher's Training University, Kazan Federal University, Far Eastern Federal University, etc.

Acceptance Achievements in the Medical Science and Medical Care Fields

※ Estimated no. for AY 2018

No. of Accepted Students (Medical Care Practical Training)

	2014	2015	2016	2017	2018	計
Achievement and Prospective	-	8	23	10	10	51

Exchange Partner Universities

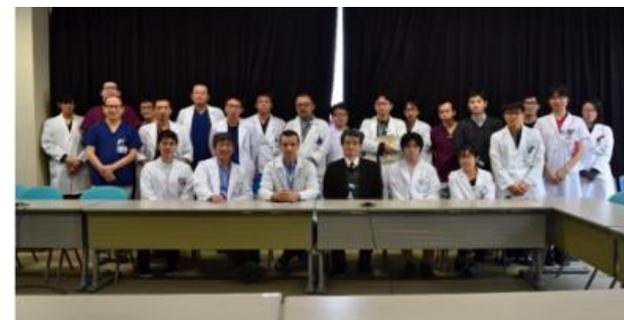
Pirogov Russian National Research Medical University, M.V. Lomonosov Moscow State University, Kazan Federal University, Novosibirsk State Medical University, Belarus State Medical University, and Pacific State Medical University

Student Acceptance

Medical Care Practical Training

AY	Home University	No. of People	Diagnosis and Treatment Dep't.
2015	Pirogov Russian National Research Medical University Novosibirsk State Medical University Pacific State Medical University	8	Gastroenterology, Pediatrics, Neurology, Radiation Oncology, etc.
2016	Pirogov Russian National Research Medical University Novosibirsk State Medical University Pacific State Medical University Kazan Federal University	23	Hematology, Oral Surgery, Pulmonary Medicine, Otorhinolaryngology, Gastroenterology, Orthopaedic Surgery, Anesthesiology, etc.
2017	Pirogov Russian National Research Medical University Novosibirsk State Medical University Kazan Federal University	10	Urology, Cardiovascular Surgery, Radiation Therapy, Neurology, Obstetrics and Gynecology, Cardiovascular Internal Medicine, etc.

1 to 2 months of clinical training at the University of Tsukuba Hospital



Medical Care Observation Training

The “Exchange Program of Young Medical Personnel for Community Healthcare” was conducted on January 2017 (hosted with the Japan Russia Youth Exchange Center and Niigata University).

Twenty young doctors and nurses from Russia came to Japan.

Inter-University Exchange Project (Russia) for AY 2014 Interim Assessment

Attained an S Rating

- Highly rated for its scale of student exchange, support to and management of students, etc.



Acquired external funds and contributed continuously to Japan-Russian cooperation in the medical science and medical care fields which is among the Japan-Russia Eight-Point Cooperation Plan