

Theme	ITMAT Kyoto University International Symposium "Biology of Human Diseases Comes of Age"
Date	From: March 10, 2024 Until: March 11, 2024 (2 Days)
Organizing faculty/department	Graduate School of Medicine
Cooperating faculty/department(s)	
Country	Japan
Place City	Kyoto
Venue	Shiran Kaikan (Inamori Hall, Yamauchi Hall), Kyoto University
Co-organizers	Perelman School of Medicine, University of Pennsylvania
Symposium summary	<p>The ITMAT Kyoto University International Symposium titled "Biology of Human Diseases Comes of Age" was held at Kyoto University Shiran Kaikan on March 10 and 11, 2024. The symposium was held based on the academic cooperation agreement between the Graduate School and Faculty of Medicine of Kyoto University and the Perelman School of Medicine of the University of Pennsylvania. A total of 305 scientists from both academia and industry attended the symposium, which was also available on demand from April 26 to May 3, 2024, and was viewed 265 times.</p> <p>This symposium marks the first time that the Institute for Translational Medicine and Therapeutics (ITMAT) of the University of Pennsylvania School of Medicine has held an international symposium on translational research in Asia. It was originally scheduled to be held in 2020, but was postponed due to the coronavirus pandemic.</p> <p>The University of Pennsylvania and Kyoto University are leading institutions for translational research in their respective countries. The symposium consisted of the following six sessions, mainly led by translational research scientists from the two universities.</p> <ol style="list-style-type: none"> 1) Cancer Immunotherapy and Immunology 2) Stem Cell and Gene Editing Therapies 3) New Pain Therapeutics 4) Human Diseases and Primate Biology 5) Human Phenomic Science and AI 6) Immune and Infectious Diseases and Vaccines <p>The symposium featured many lively discussions on internationally significant translational research, including the development of new medicines.</p> <p>Day 1 of the symposium opened with remarks by Director Garret A. FitzGerald of ITMAT and President Nagahiro Minato of Kyoto University, followed by three sessions on (1) Cancer Immunotherapy and Immunology, (2) Stem Cell and Gene Editing Therapies, and (3) New Pain Therapeutics, with 12 speakers presenting their latest research. In the session on Cancer Immunotherapy and Immunology, Prof. Tasuku Honjo (Kyoto University) delivered a presentation on PD-1 antibodies and Prof. Carl June (University of</p>

Pennsylvania) discussed CAR T cell-based cancer therapy. In the session on Stem Cell and Gene Editing Therapies, Prof. Jun Takahashi (Kyoto University) discussed cell therapy for Parkinson's disease, including clinical trials, and Prof. Kiran Musunuru (University of Pennsylvania) discussed the therapeutic applications of genome editing. After the morning session, a group photo was taken with all participants.

The second day of the symposium featured three sessions on (4) Human Diseases and Primate Biology, (5) Human Phenomic Science and AI, and (6) Immune and Infectious Diseases and Vaccines. Presentations were delivered by 15 speakers, and the discussions were so active that they exceeded the allotted time. Among the speakers were Prof. Tadashi Isa (Kyoto University) and Prof. Michael Louis Platt (University of Pennsylvania), who discussed research on the brain and nervous system using primates, and Prof. Shimon Sakaguchi (Osaka University), who spoke about regulatory T cells, and Prof. Tomoki Todo (The University of Tokyo) who discussed the development of cancer treatment using gene recombinant viruses. The symposium concluded with closing remarks by Dr. Glen N. Gaulton, vice dean of the Perelman School of Medicine, University of Pennsylvania, and Dr. Tadashi Isa, dean of the Graduate School of Medicine, Kyoto University.



Symposium participants



Director Garret A. FitzGerald of ITMAT and President Nagahiro Minato deliver their opening remarks
Symposium sessions



Day 1 presenters



Day 2 presenters



Dr. Glen N. Gaulton and Dr. Tadashi Isa deliver their closing remarks

<https://sites.google.com/kyoto-u.ac.jp/itmatkyoto/english>

Symposium URL

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https://www.oc.kyoto-u.ac.jp/symposium/past-events/past-events_2554/

Total number of participants
(including audience)

305