Kyoto University On-site Laboratory: International Research Laboratory for Earthquake and Tsunami Risk Cognition and Reduction







General Information

- Established by the Faculty of Medicine, Graduate School of Medicine, Institute for Life and Medical Sciences, and Institute for Integrated Cell-Material Sciences (iCeMS), Kyoto University Institute for Advanced Study (KUIAS)
- Partner Institution: China Medical University (CMU)

· Additional labs can participate in the on-site laboratory.

- Establishment (scheduled): October 2024
- Location: Taichung, Taiwan (outbound)
- Purposes: Promotion of clinical trials/Collaborative development of new strategies for clinical application
- Functions: Clinical trials using drugs and technologies developed at Kyoto University will be transferred to CMU via the on-site lab, where clinical trials will be conducted. The on-site laboratory will not only transfer the technology, but will also conduct joint research for further technological development and non-clinical trials to expand the range of target diseases.

A total of four labs are planned to participate (three currently active labs and one new lab).

Activity Overview

Positive ripple effects on the university's activities

- Clinical trials using drugs and technologies developed at Kyoto University can be carried out at CMU Hospital.
- This will efficiently increase the number of clinical trial participants. and will serve as a bridgehead for global development.
- · CMU will also benefit from being able to conduct joint development based on Kyoto University's materials and technologies.
- Research exchange is expected to lead to interdisciplinary development.

C1/C2 Building, Shui-Nan Campus



Industry-academia



• The location (building and lab space within the building: 636 m²) has been prepared (see diagram on the right).

Joint research buildina

collaboration building

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Space prepared for KU on-site lab. (636m²)

Kyoto University On-site Laboratory: INitiative for INtelligent ChemBioInformatics (IN-CBI)



General Information

Activity Overview

- Established by Institute for Integrated Cell-Material Science (iCeMS), Institute for Advanced Study (KUIAS), and backed by the Institute for Chemical Research
- Partner Institution: Indian Institute of Technology Roorkee
 Establishment (scheduled): October 2024
- Establishment (scheduled). October 2024
 Location: (Cross-bound type) Indian Institute of Technology Roorkee, Roorkee, Uttarakhand, India (outbound) KUIAS, Kyoto, Japan (inbound)
- Purpose: Scripting an ecosystem to develop intelligent medical tools for age-related diseases
- Functions: Establishment of a hybrid (physical and virtual) platform between Kyoto University and premier Indian research institutions to efficiently identify and exchange outstanding students and early career researchers for education

Positive ripple effects on the university's activities

- Collaborate with India's top-tier engineering and medical institutions to co-develop innovative chemical biology tools at Kyoto University.
- Cultivate a new generation of scientists through the exchange of top students and researchers, empowering them to contribute to the global scientific community.
- Create an environment in which Kyoto University can become a "first destination" for Indian students.

A hybrid (physical and virtual) cross-bound on-site laboratory for accelerating the development of intelligent (=programmable molecular design) chemical biology tools with the aim of advancing precision medicine

