

Chulalongkorn University has actively strengthened academic collaboration with University of Toyama through joint academic and research activities. In November 2025, we organized the international workshop “Translational Pharmacology Research Workshop: Imaging Analysis for *In Vivo* Models” held on 11–12 November 2025 at Chulalongkorn University. The workshop brought together international experts to share knowledge and provide hands-on training on *in vivo* imaging, animal models in cancer research, and translational pharmacology. Prof. Yoshihiro Hayakawa from the University of Toyama participated as an invited speaker and conducted both lecture sessions and practical workshops on the investigation and quantification of metastasis and tumor growth using IVIS imaging. Additional sessions covered orthotopic animal models, including intracranial and intratibial injection techniques. This activity provided a comprehensive platform for scientific exchange and skill development, enhanced research capacity in pharmacology and cancer biology, and reinforced collaborative links between the two institutions. We have also continued to support academic networking and promote future collaboration in joint research, student exchange, and international academic activities.

Workshop highlights:

- Opening remarks by Associate Professor Vorasit Vongsutilers, Dean of the Faculty of Pharmaceutical Sciences, Chulalongkorn University
- International invited speakers from University of Toyama, University of Utah, and Chulalongkorn University
- Hands-on training sessions on IVIS imaging and orthotopic animal models
- Interactive discussions on translational pharmacology and cancer research applications



Opening remarks by Associate Professor Vorasit Vongsutilers, Dean of the Faculty of Pharmaceutical Sciences, Chulalongkorn University



Presentation by Professor Yoshihiro Hayakawa, University of Toyama



Presentation by Assistant Professor Hirokazu Ishii, National Institute for Physiological Sciences



Presentation by Associate Professor Ratchanee Rodsiri, Faculty of Pharmaceutical Sciences, Chulalongkorn University



Presentation by Assistant Professor Vudhiporn Limprasutr, Faculty of Pharmaceutical Sciences, Chulalongkorn University

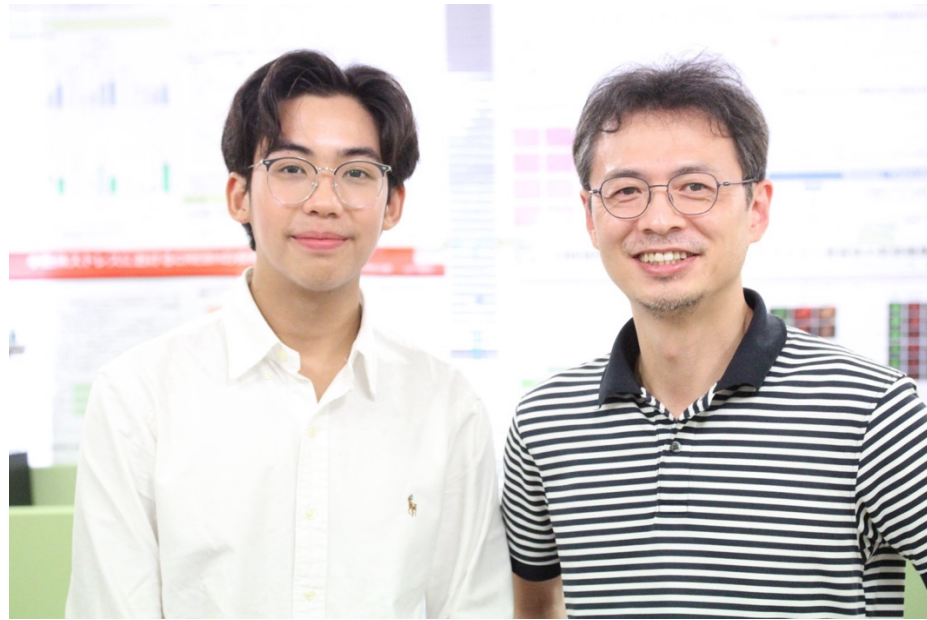


Presentation by Dr. Natasaranyatron Singharajkomron, Faculty of Pharmaceutical Sciences, Chulalongkorn University



Group photo

In addition, we have an internship program at the University of Toyama. Four undergraduate students from Chulalongkorn University undertook research training during 28 April – 18 July 2025 across various laboratories, including Complex Biosystem Research, the Division of Presymptomatic Disease, the Section of Medicinal Resource, and the Section of Neuromedical Science, under the supervision of faculty members at the University of Toyama. During the internship, students were actively engaged in laboratory-based research, gaining hands-on experience in advanced experimental techniques, data analysis, and interdisciplinary approaches in biomedical and pharmaceutical sciences. They also had the opportunity to work closely with international researchers, enhancing their scientific communication skills and global research perspectives. This program not only strengthened the students' academic and professional development but also reinforced institutional collaboration through sustained mentorship, research networking, and future opportunities for joint academic and research initiatives between the two universities.



Ms. Tanatsorn Pattanachalea was placed in the Complex Biosystem Research (CBR) laboratory under the supervision of Prof. Nakagawa Yoshimi and Dr. Jundal Kim.



Ms. Vasawat Rungreunganun joined the Division of Presymptomatic Disease, supervised by Prof. Koizumi Keiichi and Assistant Prof. Akagi Kazutaka.



Mr. Tachint Plengplang conducted his training in the Section of Medicinal Resource under Prof. Shoji Tsubasa and Assistant Prof. Sawai Satoru.



Miss Waritha Sungkhapong was assigned to the Section of Neuromedical Science, supervised by Prof. Chihiro Tohda, Assistant Prof. Ximeng Yang, and Assistant Prof. Yuna Inada.