

# Medicinal Chemistry Symposium

Theme

**AI × Drug Discovery: Infinite Possibilities!?**  
**Exploring the Future of Drug Development Unveiled**  
**by Nobel Prize Research**

**Date** November 18<sub>(Tue)</sub> - 20<sub>(Thu)</sub>, 2025

**Venue** Awagin Hall

**Sato Memorial International Award Lecture**

**Expanding the Repertoire of Druggable Targets**

▶ **Angela N. Koehler** Massachusetts Institute of Technology

**Invited Lectures** (Alphabetical order in Japanese)

**Aiming for Innovation in Pharmaceutical Production through Mechanochemical Organic Synthesis**

▶ **Hajime Ito** Hokkaido University

**Next-generation Antibody Molecular Design using Machine Learning**

▶ **Atsushi Ohta** Chugai Pharmaceutical Co., Ltd.

**Nonaqueous Bioconjugation for Functionalization of Therapeutic Proteins**

▶ **Jun Ohata** North Carolina State University

**Total Syntheses of Alkaloids featuring Late-Stage Oxidative Transformations**

▶ **Hidetoshi Tokuyama** Tohoku University

**Advancement from Peptide Chemistry to Drug Discovery and Chemical Biology**

▶ **Yoshio Hayashi** Tokyo University of Pharmacy and Life Sciences

**Application of Artificial Intelligence to Drug Discovery Research at Astellas Pharma**

▶ **Kenichi Mori** Astellas Pharma Inc.

**Innovations in Diabetes and Obesity Treatment through Incretin-Based Peptide Drug Discovery**

▶ **Daisuke Yabe** Kyoto University

**Innovative Encounters: AI Pharma Connect**  
 (Alphabetical order in Japanese)

▶ **Masahito Ohue** Institute of Science Tokyo

▶ **Ryushi Seo** Xeureka Inc.

▶ **Yoshihiro Yamanishi** Nagoya University

Deadline for application for general presentation

August **25**<sub>[Mon]</sub>, 2025

Abstract submission deadline

September **19**<sub>[Fri]</sub>, 2025

Pre-registration deadline

October **16**<sub>[Thu]</sub>, 2025

■ Please refer to the website for details.  
<https://www.k-gakkai.jp/mcs2025/>



Secretariat

Executive Committee Chairperson: **Akira Otaka** (Tokushima University)

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Management cooperation

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Hosted By The Pharmaceutical Society of Japan Division of Medicinal Chemistry

Sponsorship The Pharmaceutical Society Japan Division of Organic Chemistry, Division of Pharma-Biology, Division of Structure-Activity Studies, Division of Natural Medicines, Division of Physical Sciences, Division of Pharmacology and Drug Therapeutics, Chem-Station