

Ewha Womans University 140th Anniversary
International Symposium on AI-Driven Drug Discovery

New Frontiers in AI-Driven Drug Discovery
: From Structure to Therapeutics

October 29, 2026 (Thu), 13:00–17:30 | ECC B4 (Lee Sam-Bong Hall), Ewha Womans University



Moderator: Hankil Lee (Department Chair, Interdisciplinary Pharmacy, College of Pharmacy, Ewha Womans University)

12:00–13:00	Registration	
13:00–13:20	Welcome Address	Eun Sook Hwang (Dean, College of Pharmacy, Ewha Womans University)
	Congratulatory Remarks	Hyang-Sook Lee (President, Ewha Womans University) Mi-Kyung Hwang (Chair, Steering Committee, Alumni Association Support Committee for the Research Institute of Pharmaceutical Science)

Session I. Chemistry and Therapeutic Innovation in Drug Discovery

Chair: Prof. Dong Hae Shin (College of Pharmacy, Ewha Womans University)

13:20–13:50	Building an AI-Ready Antiviral Drug Discovery Platform through High-Throughput Screening Prof. Soo Bong Han (Director, Therapeutics & Biotechnology Division, Korea Research Institute of Chemical Technology, Korea)
13:50–14:20	Why Stereochemistry Matters: From Natural Products to New Therapeutics Prof. Tao Ye (Deputy Dean, School of Chemical Biology & Biotechnology, Peking University, China)
14:20–14:50	An Agentic-AI framework for reposition FDA-approved drugs for Alzheimer’s Disease Prof. Kyoung Jae Won (Online via Zoom) (Department of Computational Biomedicine, Cedars-Sinai Medical Center, USA)
14:50–15:20	Coffee Break

Session II. Structure, Computation, and AI for Drug Discovery

Chair: Prof. Sun-Shin Cha (Department of Chemistry & Nanoscience/College of Pharmacy, Ewha Womans University)

15:20–15:50	AI-Driven Drug Discovery: From Structural and Mechanistic Insights to Generative AI-Guided Molecular Design and Experimental Evaluation Prof. Sun Choi (Director, Global AI Drug Discovery Center, College of Pharmacy and Graduate School of Pharmaceutical Sciences, Ewha Womans University, Korea)
15:50–16:20	Structural Ensemble-Empowered Affinity Design Integrated with Feedback of the Systemic and Beneficial Off Target Effects Prof. Lee-Wei Yang (Director, Institute of Bioinformatics and Structural Biology, National Tsing Hua University, Taiwan)
16:20–16:50	Open-Access wwPDB Core Archives supporting Structural Biologists and 3D Biostructure Data Consumers Prof. Genji Kurisu (Director, Institute for Protein Research, Osaka University, Japan)
16:50–17:00	Closing Remarks Jae-Sang Ryu (Director, Ewha Womans University Research Institute of Pharmaceutical Science)
17:00–17:30	Group Photo

Organizers

- Research Institute of Pharmaceutical Science (RIPS)
- [EGEP] Global AI Innovative Drug Development for Future Leaders
- Global AI Drug Discovery Center

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