



충남대학교



수 신 심포지엄 참가등록자
(경유)

제 목 2026년 제1회 글로컬랩 컨소시엄 국제 심포지움 개최 안내

충남대 의약품개발연구소, 서울대 천연물과학연구소, KAIST 수리과학 융합연구 스테이션과 함께 결성한 글로컬랩 컨소시엄에서는 “지능형데이터 융합 시스템천연물 연구 플랫폼”의 비전을 국제 학계와 공유하고 협력 네트워크를 확대하기 위하여 「2026년 제1회 글로컬랩 컨소시엄 국제 심포지움」을 아래와 같이 개최하오니 많은 참여 바랍니다.

1. 행 사 명: 2026 Glocal Lab International Symposium: Mathematics Meets Pharmacy: Toward Predictable Drug Science
2. 개최일시: 2026. 8. 12(수) ~ 8. 13(목)
3. 개최장소: 카이스트 E11(창의과학동), 311호(대전 유성구 대학로 291)
4. 주최기관: 글로컬랩 컨소시엄(충남대 의약품개발연구소 · 서울대 천연물과학연구소 · KAIST 수리과학 융합연구 스테이션)
5. 참석대상: 국내외 초청연자 16인, 컨소시엄 참여교수 · 연구원, 참여희망자 등 약 130명
6. 주관 및 지원: 글로컬랩 컨소시엄, IBS 의생명수학그룹, 식품의약품안전평가원 NAMS-QSP 기술도입 연구팀, 충남대학교 시니어헬스융합연구센터
7. 참가등록: 불임 초청장 참고(등록비 없음)

불임 포스터 및 초청장(행사일정 포함) 각 1부. 끝.

의약품개발연구소장



자체직원

전나은

의약품개발연구
소 소장

2026.07.27.

나민균

협조자

시 행 의약품개발연구소-2098 (2026.07.28.) 접 수 ()

우

/ cnu.ac.kr

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/ 공개



충남대학교
Chungnam National University



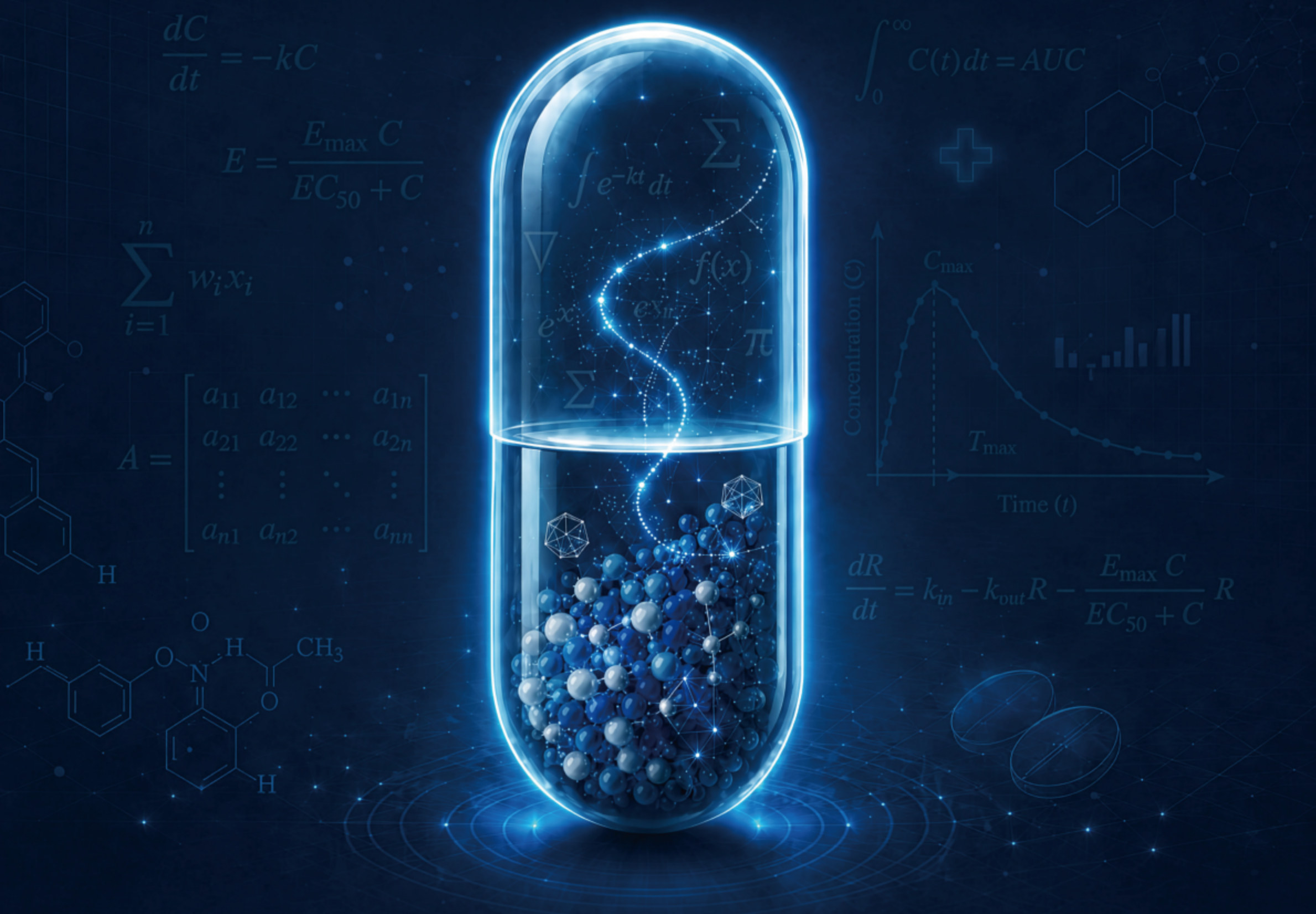
서울대학교
SEOUL NATIONAL UNIVERSITY



한국과학기술원

Mathematics Meets Pharmacy: Toward Predictable Drug Science

MODELING • PREDICTION • OPTIMIZATION • IMPACT



12-13
August
2026

KAIST E11
(Creative Learning B/D),
Rm. 311, Daejeon

GLOCAL LAB
INTERNATIONAL
SYMPOSIUM 2026

초대의 글

안녕하십니까.

글로벌랩(Glocal Lab) 컨소시엄은 시대적 흐름에 발맞추어, 국내 최고 수준의 연구기관인
충남대학교 의약품개발연구소, 서울대학교 천연물과학연구소, KAIST 수리과학 융합연구 스테이션
위 세 기관의 뜻을 모아 결성한 융합연구 얼라이언스입니다.
교육부 글로벌랩 사업의 지원을 바탕으로, 지능형 데이터 융합에 기반한
천연물 신약개발 플랫폼을 구축해 나가고 있습니다.
그 첫 번째 학술적 결실로, 아래와 같이 국제심포지엄을 개최하고자 여러분을 정중히 초대합니다.

International Symposium "Mathematics Meets Pharmacy: Toward Predictable Drug Science"

| 일시 | 2026년 8월 12일(수) ~ 13일(목)

| 장소 | KAIST E11(Creative Learning Building), Rm. 311 (대전 유성구 대학로 291)

| 주최 | 글로벌랩 컨소시엄
(충남대학교 의약품개발연구소·서울대학교 천연물과학연구소·KAIST 수리과학 융합연구 스테이션)

| 후원 | IBS 의생명수학그룹, 식품의약품안전평가원 NAMs-QSP 기술도입 연구팀, 충남대학교
시니어헬스융합연구센터, 충남대학교 D4기반 혁신신약개발 스마트미래인재양성 사업단

이번 심포지엄에는 Pharmacometrics, QSP, 수리모델링, 천연물 기반 신약개발, AI 기반 동적 가상세포(Virtual Cell) 등
예측 가능한 신약 과학을 이끄는 최전선의 주제를 중심으로, 국내외 저명 연구자들이 연자로 함께해 주십니다.
수학과 약학, 데이터와 실험, 학계와 산업이 한자리에 만나 신약개발의 새로운 지평을 함께 그려보는 뜻깊은 자리가 될 것입니다.
관련 분야의 연구자, 학생, 산업계 종사자, 그리고 미래 의약품 과학의 방향에 관심 있는 모든 분들의 많은 관심과 참여를 부탁드립니다.
상세 프로그램, 연자 소개, 등록 안내는 아래 심포지엄 홈페이지에서 확인하실 수 있습니다.

심포지엄 홈페이지: <https://glocallab-symposium2026.netlify.app/>

여러분의 소중한 발걸음이 글로벌랩 컨소시엄이 그리는 예측 가능한 신약 과학의 미래에 든든한 힘이 될 것입니다.

감사합니다.

충남대학교 의약품개발연구소장

나민준 드림

Dear Colleagues

The Glocal Lab Consortium is a multidisciplinary research alliance established in response to this new era, uniting three of Korea's leading research institutes the Institute of Drug Research & Development at Chungnam National University, the Natural Products Research Institute at Seoul National University, and the Mathematics Fusion Research Station at KAIST.

Supported by the Ministry of Education's Glocal Lab Program, the consortium is building an intelligent, data-driven platform for natural product-based drug discovery.

As the first academic milestone of this endeavor, we cordially invite you to the following international symposium.

International Symposium "Mathematics Meets Pharmacy: Toward Predictable Drug Science"

| **Date** | August 12 (Wed) - 13 (Thu), 2026

| **Venue** | KAIST E11 (Creative Learning Building), Rm. 311, Daejeon, Korea

| **Organized by** | Glocal Lab Consortium (IDRD, CNU · NPRI, SNU · MFRS, KAIST)

| **Sponsored by** | IBS Biomedical Mathematics Group, Ministry of Food and Drug Safety NAMs-QSP Research Team, CNU Senior Health Convergence Research Center, CNU Graduate Program for S.M.A.R.T Pioneers
Leading Data-driven Innovation in Drug Development

The symposium will bring together distinguished international and domestic scholars across Pharmacometrics, QSP, mathematical modeling, natural product-based drug discovery, and AI-driven virtual cell science where mathematics, pharmacy, data, and industry meet to shape the next horizon of drug discovery. We warmly welcome researchers, students, and industry professionals interested in the future of pharmaceutical science. Detailed program, speaker information, and registration are available on the symposium website:

<https://glocallab-symposium2026.netlify.app/>

Sincerely,

Director, Institute of Drug Research & Development
Chungnam National University

MinKyun Na, Ph.D.

Program Overview

Date: August 12 (Wednesday), 2026			
Time	Presentation	Speaker	Affiliation
09:00–09:50 Registration			
09:50–10:10 Opening			
09:50–09:55	Opening Remark	Director. MinKyun Na	Chungnam National University
09:55–10:00	Congratulatory Remarks I	Dean. Jeong-Sook Park	Chungnam National University
10:00–10:05	Congratulatory Remarks II	Dean. Hee-Seung Lee	Korea Advanced Institute of Science and Technology (KAIST)
10:05–10:10	Congratulatory Remarks III	Dean. Keon Wook Kang	Seoul National University
Session (1) – Advancing Drug Development through Pharmacometrics Chair: Prof. Hwi-yeol Yun (Chungnam National University)			
10:10–10:50	Methods to predict adequate dosing of natural products in children using modelling approaches and knowledge from adults	Prof. Georg Hempel	University of Münster, Germany
10:50–11:30	MIDD: Smoothing the Road to Approval and Beyond	Dr. Mirjam Trame	Certara, USA
11:30–13:30	Lunch (KAIST Faculty Club / West-Campus Student Cafeteria)		
Session (2) – Model-Informed Drug Science: Bridging Academia, Clinical Practice, and Industry Chair: Prof. Jung-woo Chae (Chungnam National University)			
13:30–14:10	Pharmacometrics Education to Meet Societal Needs	Prof. Yusuke Tanigawara	Keio University, Japan
14:10–14:50	The Development History and Current Landscape of Quantitative Pharmacology in China	Prof. Zheng Jiao	Shanghai Jiao Tong University / Shanghai Jiao Tong University Hospital, China
14:50–15:30	Smarter and Faster Global Drug Development with Model-Informed Drug Development	Dr. Hyunmoon Back	GSK, USA
15:30–15:50	Break		
Session (3) – AI and Mathematical Foundations for Next Generation Biology Chair: KAIST Prof. Jae Kyoung Kim (Korea Advanced Institute of Science and Technology / KAIST)			
15:50–16:20	Intelligent Decoding and Generation of Spatial Biology	Prof. Shihua Zhang	Chinese Academy of Sciences, China
16:20–16:50	Building AI-Driven Dynamic Virtual Cells: From Representation and Generation to Scientific Agents	Prof. Peijie Zhou	Peking University, China
16:50–17:20	Multi-Omics–Driven Mathematical Framework for Integrating A Mechanistic Model and Data in Precision Medicine	Prof. Seirin Lee	Kyoto University, Japan
17:20–17:30	Closing		
17:30–	Networking Dinner		

Date: August 13 (Thursday), 2026			
Time	Presentation	Speaker	Affiliation
9:30–10:10 Registration			
Session (1) –Natural Products for Therapeutic Discovery Chair: Prof. Sunghyok Park (Seoul National University)			
10:10–10:50	Arnica: Repositioning of a European herbal medicine as a new hope for the treatment of cutaneous Leishmaniasis, a neglected tropical disease	Prof. Thomas J. Schmidt	University of Münster, Germany
10:50–11:30	Natural Product Biosynthesis	Prof. Kenji Watanabe	University of Shizuoka, Japan
11:30–13:30	Lunch (KAIST Faculty Club / West-Campus Student Cafeteria)		
Session (2) – Chemical Innovation for Next-Generation Drug Discovery Chair: Prof. Suckchang Hong (Seoul National University)			
13:30–14:00	Applications of Data-Driven Approaches in Natural Product Research	Prof. Ki Yong Lee	Korea University
14:00–14:30	Asymmetric Catalysis-Driven Approaches toward Naphthylisoquinoline Alkaloids	Prof. Yongseok Kwon	Seoul National University
14:30–15:00	The construction of DNA-encoded library for drug discovery	Dr. Hyun Jin Kim	Korea Research Institute of Chemical Technology (KRICT)
15:00–15:30	Break		
Session (3) – Mathematics in Biomedical Sciences Chair: Prof. Woojin Kim (Korea Advanced Institute of Science and Technology / KAIST)			
15:30–16:00	Mathematical Modeling of Fucoxanthin-Mediated Inflammatory Gene Regulation in Chondrocytes	Dr. Eunjung Kim	Korea Institute of Science and Technology (KIST)
16:00–16:30	Topological Perspectives on Link Prediction and Biomedical Knowledge Discovery	Dr. Junwon You	Korea Advanced Institute of Science and Technology (KAIST)
16:30–17:00	Mathematical Modeling of Hormonal Therapeutics: Circadian Rhythms and Optimal Dosing Strategies	Dr. Soyoung Kim	National Institute for Mathematical Sciences (NIMS)
17:00–17:10	Closing		

**Schedule might be flexible depending on further situation.*