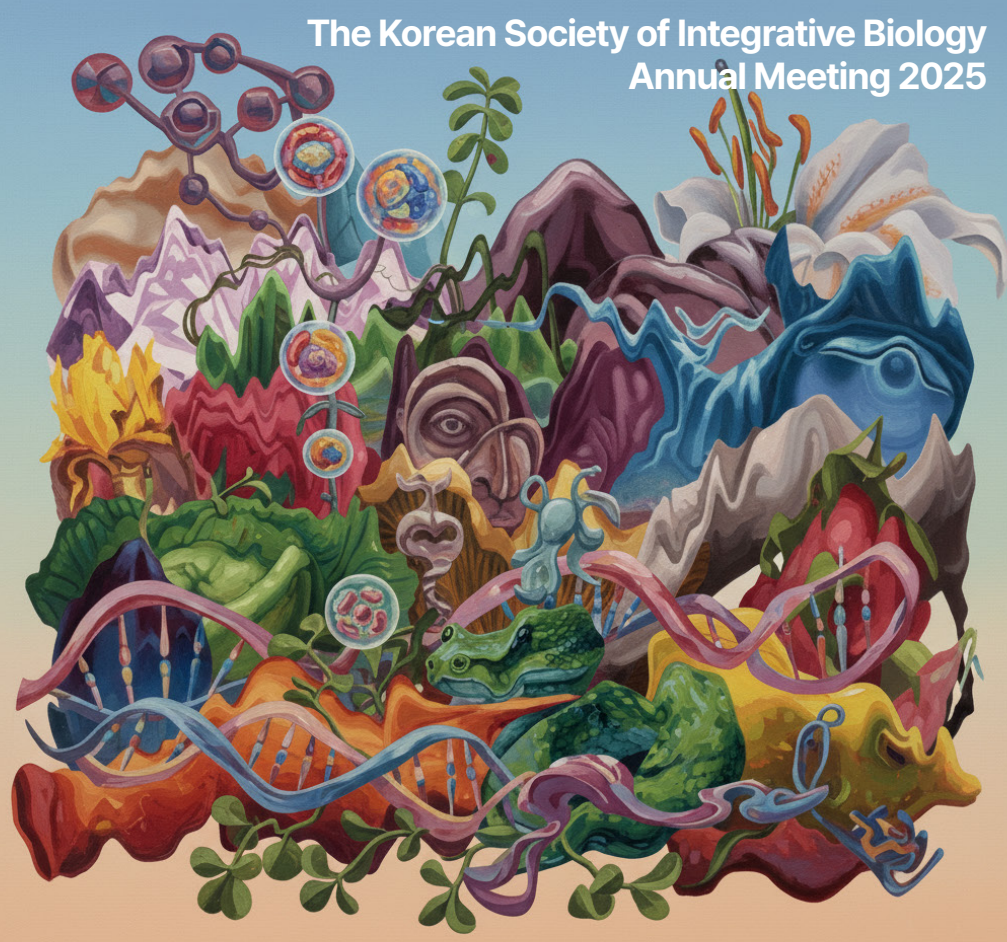


2025년
한국통합생물학회
정기학술대회

2025년 12월 17일(수)~19일(금)
김대중컨벤션센터, 광주



The Korean Society of Integrative Biology
Annual Meeting 2025

PROGRAM

사전등록 및 초록접수 | 2025년 11월 14일(금)

2025년 12월 17일(수)

TIME	컨벤션홀 1		컨벤션홀 2,3	
12:00-14:00	연구과제 네트워킹 및 등록, 포스터 부착			
14:00-15:00	Oral Poster Presentation by Future Generation 좌장: 김기우(연세대) / 발표자 추후 결정		Oral Poster Presentation by Future Generation 좌장: 류홍렬(경북대) / 발표자 추후 결정	
15:00-15:30	개회식 및 ACS 최우수논문상 시상식, 공로패 증정 사회: 김 옥(아주대)			
기조강연 1.		사회: 김정수(조선대) / 좌장: 조정희(단국대)		
15:30-16:05	Proteostasis and aging-associated diseases 정용근(서울대)			
16:05-16:30	사진 촬영 및 Break Time			
[Symposium 1.] Biochemistry and Structural Biology 사회: 박혜진(KAIST) / 좌장: 윤부현(부산대)		[Symposium 2.] Novel Biotechnology 사회: 송자연(성균관대) / 좌장: 손기훈(고려대)		
16:30-16:55	Molecular anatomy of Ubr1 N-recognin: the first characterized E3 ubiquitin ligase 송현규(고려대)		Plant molecular biofarming: Eternal life with gods 고기성(중앙대)	
16:55-17:20	AI-driven de novo design of mini protein binders as functional GPCR antagonists 조현수(연세대)		Towards in-vivo deep tissue imaging 박정훈(UNIST)	
17:20-17:45	Mechanistic studies of the 26S proteasome and their therapeutic applications 이민재(서울대)		Plant-derived nanovesicles: Revolutionizing osteoporosis prevention 조영은(국립경국대)	
17:45-18:10	Structural insights into the opening mechanism of human Cx43/GJA1 gap junction channel 우재성(IBS)		Writing and reading genomes: Functional genomics study with CRISPR and single-cell sequencing 김현석(한양대)	
18:10-18:20	정기총회			
18:20-20:00	호텔 이동(서틀 버스)			
20:00-22:00	PI Meeting			

2025년 12월 18일(목)

08:00-09:30	학회장 이동(서틀 버스)	
	[Symposium 3.] Multiomics and Data Science 사회: 오영택(강원대) / 좌장: 김지훈(KAIST)	[Symposium 4.] Organoid and Developmental Biology 사회: 최진욱(GIST) / 좌장: 선 웅(고려대)
09:30-09:55	Unraveling autism-associated gene networks using single-cell RNA-seq foundation models 안준용(고려대)	Multilayered molecular and cellular mechanisms underlying intestinal epithelial regeneration 정용택(고려대)
09:55-10:20	Cataloging our second genome — towards a complete map of the human microbiome 이인석(연세대)	Emerging Evo-Devo model systems: Insights into genomics and regeneration from Lophotrochozoa 조성진(충북대)
10:20-10:45	Metabolomics profiling for anti-obesity drug development 김은경(DGIST)	Convergent phenotypes and divergent mechanisms in cranial suture development 고혁완(연세대)
10:45-11:10	Single-cell multi-omics reveals novel cell populations and key transcriptional regulators in disease pathogenesis 박지환(GIST)	Mechanical regulation of lineage specification 장지원(POSTECH)
11:10-11:25	Break Time	
기조강연 2. 사회: 김홍숙(성균관대) / 좌장: 박중훈(숙명여대)		
11:25-12:00	Leukocyte Specific Protein (LSP)-1 regulation of lymphocyte functions 김완욱(가톨릭대)	
	[런천세미나 1.] (주)엘엠비아이랩 좌장: 허지연(아주대)	[런천세미나 2.] 오가노이드사이언스(주) 좌장: 유승진(중앙대)
12:00-12:40	SCODA: An automated single-cell RNA-seq data analysis pipeline for discovering disease-specific marker and therapeutic target 윤석현(단국대학교 / (주)엘엠비아이랩)	Latest trends and future of organoid technology 이경진(오가노이드사이언스(주))
12:40-13:40	포스터 발표	
	[Symposium 5.] Immunology and Immuno-therapy 사회: 박지환(GIST) / 좌장: 조동규(성균관대)	[Special Session] 좌장: 김종민(숙명여대)
13:40-14:05	Neuron-glia crosstalk: targeting neuroinflammation for disease-modifying therapy in neurodegenerative diseases 김태인(KAIST)	국가 신성장 동력으로서의 글로벌 신약개발 및 KDDF 소개 박영민(국가신약개발사업단)
		[Symposium 6.] Drug development and Novel Modalities 사회: 박현지(아주대) / 좌장: 심가용(송실대)
14:05-14:30	The immune odyssey: From peptides and molecules to the hope of healing 최상돈(아주대)	In Silico approaches for data-driven drug discovery and development 이지영(K-MEDI hub)
14:30-14:55	Role of ETV5 in follicular helper T cell differentiation and lupus pathogenesis 이윤태(POSTECH)	GPCRs as therapeutic targets in cancer 한태수(한국생명공학연구원)
14:55-15:20	Immunoregulatory role of ROS-sensing Nrf2 in T cell responses 홍창완(부산대)	Advancing organ-selective mRNA delivery via nanomedicine design 김중오(영남대)
15:20-15:40	Break Time	
	Building a Stable Future: A Practical Guide for Researcher 좌장: 조정희(단국대)	
15:40-16:05	스타트업을 꿈꾸는 연구자들을 위한 특허 전략 김보민 변리사	
16:05-16:30	연말정산 완전 정복: 연구자를 위한 맞춤 가이드 조윤주 세무사	
16:30-16:40	Break Time	
	[Symposium 7.] 보스턴코리아 사업단 사회: 송나영(연세대) / 좌장: 김 옥(아주대)	[Symposium 8.] 바이오의료기술개발사업단 사회: 민선우(충남대) / 좌장: 정동탁(한양대)
16:40-17:05	Towards a 'perfect' spinal cord on a dish 선 웅(고려대)	Heart cell atlas enables to predict disease severity and drug response 김준일(송실대)
17:05-17:30	AAV engineering and application to reverse genetic screening of rodent behavioral phenotypes 최한경(DGIST)	Therapeutic targeting of MicroRNA-Regulated Endo-MT pathways 허경선(충남대)
		Leveraging omics data to identify drug repositioning candidates for cardiomyopathy 이해승(부산대)
17:30-17:55	Clinical unmet needs in EGFR mutant NSCLC 엄상원(삼성서울병원)	Cell therapeutics for myocardial infarction based on hPSC-derived multicellular spheroids 박훈준(가톨릭대)
17:55-18:20	Novel cancer therapeutic strategies: Exploiting the achilles' heel of evolutionary drug resistance 조정희(단국대)	E3 Ligase-mediated regulation of vascular calcification: Integrating ubiquitination and PARP-1-Neddylation pathways 국 현(전남대)
18:20-19:00	호텔 이동(서틀 버스)	
환영만찬세미나 좌장: 김종민(숙명여대)		
19:00-19:30	(주)필코리아테크놀로지	
19:30-21:30	환영만찬 및 특별공연	

2025년 12월 19일(금)

08:00-09:30	학회장 이동(서틀 버스)	
[신진과학자 발표 1.] 좌장: 신 옥(고려대), 최세규(POSTECH)		[신진과학자 발표 2.] 좌장: 김홍숙(성균관대), 김철우(고려대)
09:30-09:45	Integrative nanotechnology for targeted cancer therapy: Platforms and combinations 신유선(충북대)	Defining the roles of macrophages in vascular development using organoid and computational approaches 박현지(아주대)
09:45-10:00	Human PSC-derived hematopoietic development for modeling human disease 정호창(성균관대)	Development of advanced diagnostic Technologies with CRISPR-Cas systems 송자연(성균관대)
10:00-10:15	Replacing microglia to treat a brain disease 유용진(고려대)	Recreation of disease-related events using patient-derived intestinal organoids 장경구(연세대)
10:15-10:30	Regulation of snail protein stability in cancer metastasis: Proteasomal and chaperone-mediated autophagic pathways 유기준(경상국립대)	Axonal transport and In vivo organelle dynamics in the pathogenesis of neurodegenerative diseases 성 현(부산대)
10:30-10:45	Distributed processing for value-based choice by prelimbic circuits targeting anterior-posterior dorsal striatal subregions 최규현(한림대)	Scalable triple-modality single-cell technology: A platform for simultaneous detection of CRISPR guides, transcripts and epitopes 황병진(연세대)
10:45-11:00	In vivo partial reprogramming as a strategy for tissue regeneration 김주미(숙명여대)	Biophysical and molecular mechanisms of auditory hair cell mechano-transduction 김예리(경북대)
11:00-11:15	The development of peptide therapeutics by utilizing transporter-mediated endocytosis 권세호(전남대)	Development of nonviral vectors for mRNA therapy 김정환(영남대)
11:15-11:35	Break Time	
11:35-12:05	김주필우수연구자상 시상식 및 수상자 강연 사회: 이경하(부산대)	
12:05-12:35	정해문신진연구자상 시상식 및 수상자 강연 사회: 이경하(부산대)	
12:35-13:15	폐회식, 우수 구두 발표 및 포스터 발표 시상 사회: 주재열(한양대), 권혁권(경상국립대)	