2026 KSMCB-KMPC
마우스유전체분과 심포지엄

From Molecules to Organisms:
Mouse Models for Disease Mechanisms and Therapy in the Multiomics Era



2026.12.11 (금) 12:00-18:00

서울대학교 호암교수회관 삼성컨벤션센터 스튜디오1

시간	세션 및 강의	좌장 및 연자(소속)
12:00-12:45	Registration	
12:45-12:50	개회선언	**정수명** (성균관대)
	축사	**성제경** (서울대)
Plenary Lecture		좌장 : 이영재 (가천대)
12:50-13:35	Cellular plasticity on homeostasis, injury and regeneration in tissue specific stem cells	**남기택** (연세대)
Session 1 : Multi-Scale Crosstalk in Disease Progression		좌장 : 정행등 (한양대), 이호 (국립암센터)
13:35-14:00	Epithelial WNT secretion drives niche escape of developing gastric cancer	**이지현** (IBS)
14:00-14:25	Epithelial crosstalk with the microenvironment in gastric homeostasis and carcinogenesis	**정행등** (한양대)
14:25-14:50	Inter-organ-level understanding of intestinal homeostasis	**김기락** (고려대)
14:50-15:05	Coffee Break	
Sponsored Presentation		좌장 : 성영훈 (서울아산병원)
15:05-15:20	From sequencing to biological insights: applications of NGS in biomedical research	**김현이** (NGeneS, Inc.)
Session 2 : Regulated Cell Death and Therapeutic Strategies in Disease Models		좌장 : 김예리 (경북대), 이현지 (고려대)
15:20-15:45	Mitochondrial dysfunction and regulated cell death in ototoxicity: therapeutic implications	**김예리** (경북대)
15:45-16:10	Pyroptosis-driven cancer immunotherapy via supramolecular nanomedicine in solid tumor models	**최지웅** (경북대)
16:10-16:35	Nanotherapeutics for osteoarthritis: insights from mouse osteoarthritis models	**조찬미** (한양대)
Session 3 : Multiomics Approaches in Disease Understanding		좌장 : 최진욱 (GIST), 한용현 (강원대)
16:35-17:00	Decoding MASH across mouse and human: from single-cell maps to AI-guided target discovery	**황병진** (연세대)
17:00-17:25	Epigenetic basis of aging and rejuvenation	**양재현** (KAIST)
17:25-17:50	Genetic mutations in human disease: from Mendelian inheritance to somatic mosaicism	**김상우** (연세대)
17:50-18:00	**폐회사**	**성영훈** (서울아산병원)

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