



KSMRM 2021
15th Conference of Korean Society for Mitochondrial
Research and Medicine

The background of the poster features a large, abstract, and vibrant artwork. It consists of thick, expressive brushstrokes in shades of deep blue, purple, magenta, and hints of yellow and orange. These strokes are layered and curved, creating a sense of dynamic movement and depth, resembling a stylized, colorful ribbon or a series of overlapping waves. The overall effect is modern and artistic, contrasting with the clean white text.

KSMRM 2021
JUMPING
Busan BEXCO
August 25 (Wed), 2021



KSMRM 2021 JUMPING

Justifying and Understanding
the Mitochondrial
Platform for Signaling

Wednesday, August 25, 2021

09:00 - 09:20	Registration
09:20 - 09:30	Opening Address (한진: 대한미토콘드리아연구의학회장)
Session 1	Next Generation of Mitochondrial Researchers
	Chairperson: 이명식 (연세의대), 류동렬 (성균관의대) Panel: 이현승 (충남의대), 김형규 (인제의대), 남궁준 (연세원주의대), 강병헌 (UNIST)
09:30 - 09:50	VRK-1 extends life span by activation of AMPK via phosphorylation 박상순 (KAIST)
09:50 - 10:10	Lactation improves pancreatic β cell mass and function through serotonin production 김형석 (충남대학교 의과대학)
10:10 - 10:30	Pathological roles of senocules in sync-aging and cardiovascular disorders Shimizu Ippei (Juntendo University Graduate School of Medicine, Japan)
10:30 - 11:00	Coffee Break (+ Poster Viewing)
Session 2	Technical Advances in Mitochondrial Biology
	Chairperson: 정종경 (서울대), 유주연 (포항공대) Panel: 박규상 (연세원주의대), 김형석 (충남의대), 서재명 (KAIST), 이승재 (KAIST)
11:00 - 11:20	Monitoring and modeling of single-cell bioenergetics during cell division 강준호 (한국과학기술연구원)
11:20 - 11:40	In vivo mitochondrial matrix proteome profiling reveals an antioxidant NADPH oxidoreductase 이현우 (서울대학교)
11:40 - 12:00	Senescence-associated function of mitochondrial non-coding RNAs 노지현 (충남대학교)
12:00 - 13:30	Lunch + CW 라이노바이오㈜



Wednesday, August 25, 2021

Session 3	Plenary Lecture
	Chairperson: 송민호 (충남대학교 의과대학)
13:30 - 14:10	Cross species genetic and omics to map new players in mitochondria and aging Johan Auwerx Ecole Polytechnique Fédérale Lausanne (EPFL), Switzerland
Session 4	Translational Research with Mitochondria
	Chairperson: 이인규 (경북의대), 박경수 (서울의대) Panel: 박찬배 (아주의대), 김하일 (KAIST), 강준원 (충남의대), 한진 (인제의대)
14:10 - 14:30	Interorgan mitochondria stress response regulates thermogenesis 김민선 (아산메디컬 센터, 울산대학교 의과대학)
14:30 - 14:50	Role of the mitochondrial stress response in human cancer progression 채영찬 (UNIST)
14:50 - 15:10	Intracellular delivery of Parkin rescues neurons from accumulation of damaged mitochondria and pathological α -synuclein 조대웅 (Cellivery R&D Institute, Cellivery Therapeutics Inc.)
15:10 - 15:40	Coffee Break (+ Poster Viewing)
Session 5	Mitochondria as a Clinical Focal Point
	Chairperson: 이영목 (연세의대), 채종희 (서울의대) Panel: 채현욱 (연세의대), 이하늘 (연세의대), 나지훈 (연세의대), 김군순 (대전엔도내과)
15:40 - 16:00	Mitochondrial dysfunction in neurological disorders: Structure and functional changes of mitochondria and related organelles in neurotropic factor treated disease model 문지영 (한국뇌연구원)
16:00 - 16:20	Alleviating mitochondrial dysfunction with oral small molecule HSG4112 for the treatment of various diseases 박형순 (글라세움)
16:20 - 16:40	Mitochondrial transplantation in Sepsis 김규석 (분당차병원)
16:40 - 17:00	Closing Remarks

※ 안전한 학술대회를 위하여 일반 참석자는 온라인으로만 참석 가능합니다.

Official
Secretariat

The PlanB Co.,Ltd.
부산광역시 해운대구 우동 센텀3로 26 센텀스퀘어 905호
T. 051-742-8407 F. 051-747-8408 E. theplanb@planbgroup.org