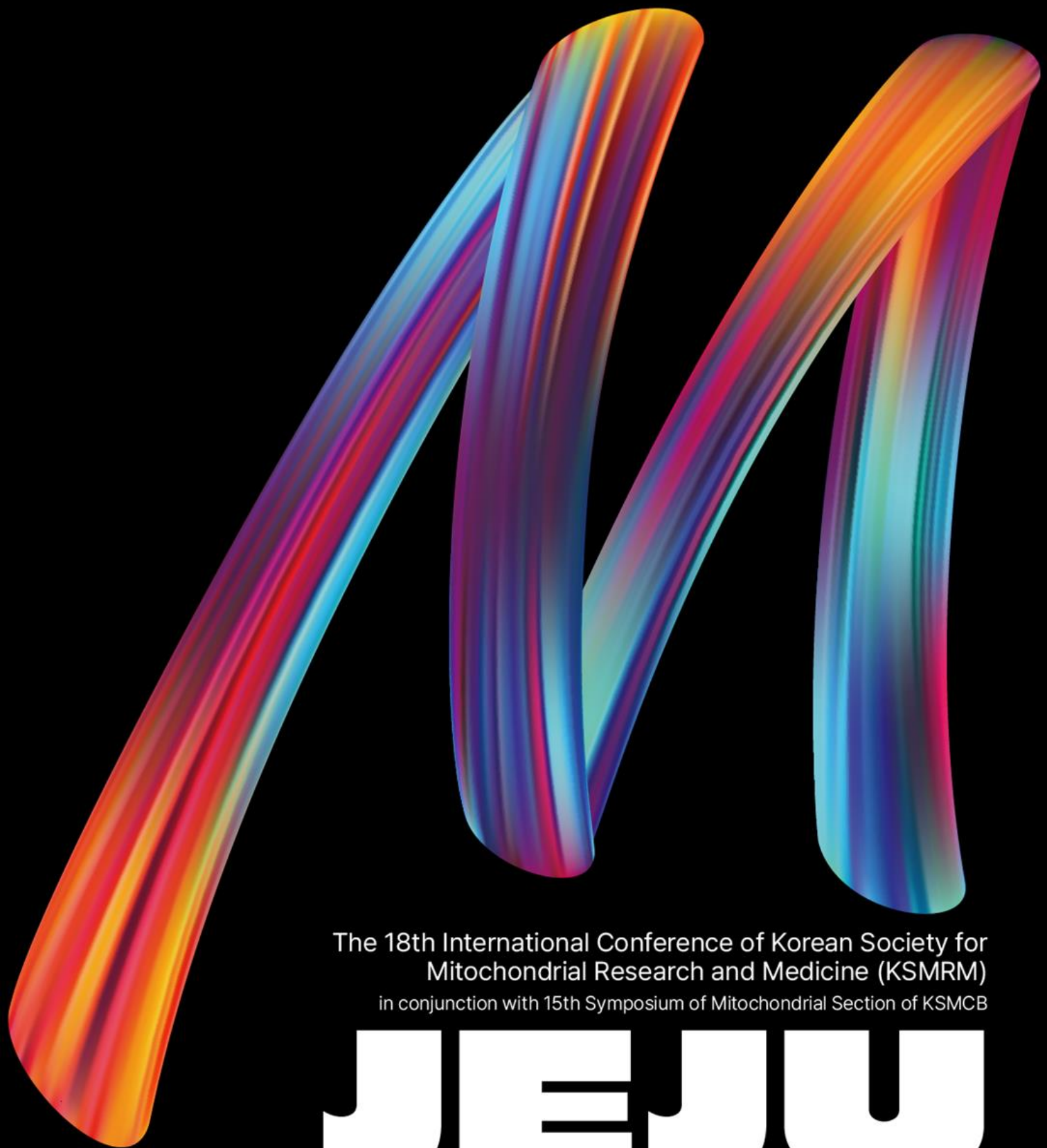


2024. 08. 28 – 08. 30

Ara Campus, Jeju National University



The 18th International Conference of Korean Society for
Mitochondrial Research and Medicine (KSMMRM)
in conjunction with 15th Symposium of Mitochondrial Section of KSMCB

JEJU

Just **E**nergize the **J**ourney
to **U**nderstand Mitochondria



The 18th International Conference of Korean Society for
Mitochondrial Research and Medicine (KSMRM)
in conjunction with 5th Symposium on Mitochondrial Section of KCSOB



Just Energize the Journey
to Understand Mitochondria

2024. 08. 28 – 08. 30

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Ara Campus, Jeju National University

1. Outline

Conference	KSMRM 2024 제 18회 대한미토콘드리아연구의학회 정기학술대회
Date	2024. 8. 28. (Wed) – 8. 30 (Fri)
Theme	Just Energize the Journey to Understand Mitochondria
Venue	**1일차와 2-3일차 장소가 다르니 참석에 유의해주십시오. 8. 28. (Wed) 제주대학교 의과대학 1호관 2F 강당 Auditorium 2F, Building #1, Medical School, Jeju National University 8. 29. (Thur) – 8. 30. (Fri) 제주대학교 아라컨벤션홀 1층 1F, Ara Convention Hall, Jeju National University
Hosted by	Korean Society for Mitochondrial Research and Medicine Jeju Research Center for Natural Medicine
Website	ksmrm.kr



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Just Energize the Journey
to Understand Mitochondria

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Ara Campus, Jeju National University

Wednesday, August 28, 2024

제주대학교 의과대학 1호관 2F 강당/ Auditorium 2F, Building #1, Medical School, Jeju University

Time	Subject
13:00 ~ 14:00	Registration
Oral Presentation	Oral Presentation Chair: Byoung Heon Kang (UNIST), Hyung Kyu Kim (Inje Univ.)
14:00 ~ 14:10	Transcriptome analysis in colon carcinogenesis by using Tlr13-deficient mouse model Asma Rafique (Jeju Nat'l Univ.)
14:10 ~ 14:20	Preventive ability of fucoxanthin against PM2.5-induced inflammation and aging in keratinocyte cells Pincha Devage Sameera Madushan Fernando (Jeju Nat'l Univ.)
14:20 ~ 14:30	Evogliptin, a DPP-4 inhibitor, prevents cardiac lipotoxicity and mitochondrial dysfunctions in type 2 diabetic mice model Pham Trong Kha (Inje Univ.)
14:30 ~ 14:40	Transplanting External Mitochondria Enhances Blood-Brain Barrier Integrity So Yeong Kim (UNIST)
14:40 ~ 14:50	Mitochondrial chaperone, TRAP1 regulates mitochondrial functions for thermogenesis in adipocytes. Sun A Yeom (UNIST)
14:50 ~ 15:00	Mitochondria-derived peptides humanin and formylated humanin promote STAT3-dependent skin repair Kyu-Hee Hwang (Yonsei Univ.)
15:00 ~ 15:10	PPAR β -induced changes in energy metabolism influence the proteome related to protein synthesis and quality control. Sol-Yi Park (Yonsei Univ.)
15:00 ~ 15:20	Development of MitoRAISE, a real-time assessment of mitochondrial ATP synthesis response against inhibiting and stimulating substrates Eun Sol Chang (삼성융합의과학원)
15:20 ~ 15:50	Break
15:50 ~ 16:00	Opening & Welcome Remarks
Session 1	Mitochondria in Translational Medicine (Joint Session of JRCNM) Chair: Sang-Pil Yoon(Jeju Nat'l Univ.) Panel: Eui Tae Kim(Jeju Nat'l Univ.), Young-Sang Koh(Jeju Nat'l Univ.)
16:00 ~ 16:30	NLRP3 exacerbates EAE severity through ROS-dependent NET formation in the mouse brain Young-Min Hyun (Yonsei Univ.)
16:30 ~ 17:00	The involvement of CLU (clusterin) and PPARGC1A/PGC1 α in mitophagy Han Jung Chae (Jeonbuk Univ.)
17:00 ~ 17:30	Establishment of a humanized mouse model reflecting human immune responses from atopic dermatitis patients Chang Ook Park (Yonsei Univ.)
17:30 ~ 18:00	Designing text mining services to support the curation efforts of the Swiss Institute of Bioinformatics: from CelloSaurus triage to Variomes variant sequence search Patrick Ruch (Swiss Institute of Bioinformatics)



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Thursday, August 29, 2024 제주대학교 아라컨벤션홀 / Ara Convention Hall, Jeju National University	
Session 2	Mitochondria in Metabolism (Joint Session of KDA) Chair: Hyon-Seung Yi(Chungnam Nat'l Univ.), Dongryeol Ryu(GIST) Panel: Jin Ho Koh (Yonsei Univ.), Dong Wook Choi (Korea Univ.)
09:00 ~ 09:25	Implication of T cell senescence in the progression of diabetes and metabolic liver disease Hyon-Seung Yi(Chungnam Nat'l Univ.)
09:25 ~ 09:50	The preservation of mitochondrial cristae protects from cardiomyopathy Jae-Han Jeon(Kyungpook Nat'l Univ.)
09:50 ~ 10:15	Locking and unlocking mechanisms of Atg32-mediated mitophagy Koji Okamoto (Osaka University)
10:15 ~ 10:40	Spatiotemporal dynamics of intracellular metabolites using genetically encoded biosensors. Hiromi Imamura (Kyoto University)
10:40 ~ 11:00	Sponsored by (주)싸이텍코리아 (기업 런천 세미나, 도시락 제공)
Session 3	Plenary Lecture Chair: Minho Shong (KAIST), Jae Myoung Suh (KAIST)
11:00 ~ 12:00	Metabolism, Cellular Decisions and the Language That Unites Them Jared Rutter (University of Utah)
12:00 ~ 12:30	Luncheon Seminar
12:30 ~ 13:30	Poster Viewing
Session 4	Mitochondria in Translational Research(Joint Session of B-IRC) Chair: Sang Ki Park(POSTECH), Yoon Tae Lee(POSTECH) Panel: Min Sik Lee (POSTECH), Bo Am Seo (Yonsei Univ.)
13:30 ~ 14:00	Mitochondrial disorder as a risk factor for neurodegenerative diseases Hojae Han(Seoul Nat'l Univ.)
14:00 ~ 14:30	Remodeling of endoplasmic reticulum via lipid metabolism Wonyul Jang(Seoul Nat'l Univ.)
14:30 ~ 15:00	In vivo mapping of subcellular proteomes in aging and disease Jae Myoung Suh (KAIST)
15:00 ~ 15:30	Exploring regulatory pathways for calcium communication between ER and mitochondria Sang Ki Park(POSTECH)
15:30 ~ 15:50	Coffee Break
Session 5	Mitochondrial Genetic Disease and Therapeutics Chair: Hong Kyu Lee (Seoul Nat'l Univ.), Young-Mock Lee (Yonsei Univ.) Panel: Hyejin Park(KAIST), Su Myung Jung (Sungkyunkwan Univ.)
15:50 ~ 16:20	Induced Pluripotent Stem Cells and their Derived Neurons as Cell Models for Studies of the MERRF Syndrome Yau-Huei Wei (Changhua Christian Hospital, Taiwan)
16:20 ~ 16:50	Mitochondrial Transfer as a Novel Therapeutic Approach in Mitochondrial Disease Treatment Tsu-Kung Lin (Kaohsiung Chang Gung Memorial Hospital, Taiwan)
16:50 ~ 17:20	Mitochondrial DNA mosaicism in normal human somatic cells Young Seok Ju(KAIST)
17:20 ~ 17:50	Mitochondrial genome editing Hyunji Lee(Korea Univ.)
17:50 ~ 18:00	Break
18:00 ~ 19:00	Poster Session
19:00 ~	Banquet Sponsored by (주)싸이텍코리아 (참가자 모두 참석 가능)



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Friday, August 30 , 2024 제주대학교 아라컨벤션홀 / Ara Convention Hall, Jeju National University	
Session 6	Plenary Lecture 2 Chair: Joo Yeon Yoo(POSTECH), Kyu-Sang Park (Yonsei Univ.)
09:00 ~ 10:00	Exercise-induced cardiac adaptation Jin Han(Inje Univ.)
Session 7	Mitochondria in Systems Biology Chair: Young Seok Ju(KAIST), Sun Jae Lee(GIST) Panel: Kwang-eun Kim(Yonsei Univ.), Yunju Jo(GIST)
10:00 ~ 10:30	Cross-tissue single-cell and spatial cell atlas to understand human diseases Jong-Eun Park(KAIST)
10:30 ~ 11:00	Quasi-spatial single-cell transcriptome based on physical properties defines early aging associated niche in liver tissue Chuna Kim(KRIBB)
11:00 ~ 11:30	Single-cell long-read sequencing technologies and applications Jihwan Park(GIST)
11:30 ~ 12:10	General Assembly & Closing Ceremony

3. Registration

■ Day 1 (제주대학교 의과대학 2층)

위치	의과대학 2층 강당 앞 로비
운영시간	8. 28 (수) 13:00-17:00

■ Day 2-3 (제주대학교 아라컨벤션홀 1층)

위치	아라컨벤션홀 1층 대회의실 앞 로비
운영시간	8. 29 (목) 08:30-17:00 8. 28 (수) 08:30-10:30



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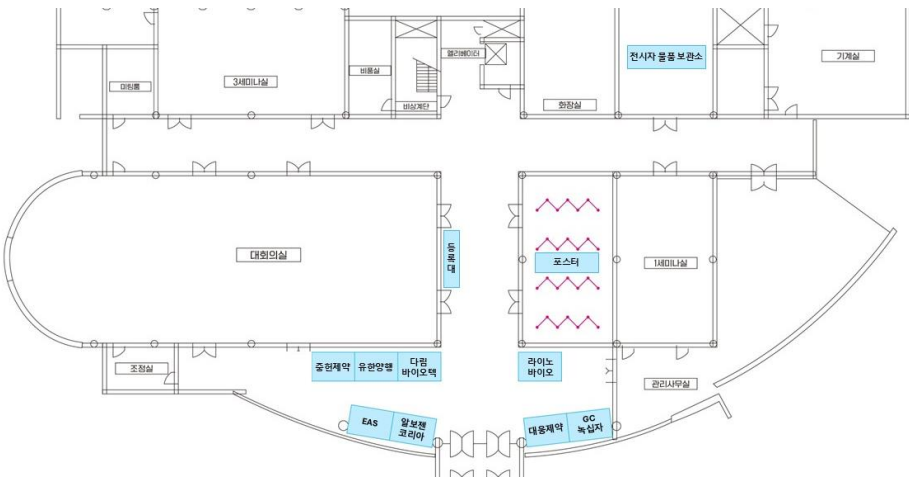
4. Floor Plan

■ Day 1 (제주대학교 의과대학 2층)



세션장	의과대학 2층 강당
등록대	의과대학 2층 강당 앞 로비

■ Day 2-3 (제주대학교 아라컨벤션홀 1층)



세션장	아라컨벤션홀 1층 대회의실
전시	아라컨벤션홀 1층 대회의실 앞 로비
포스터	아라컨벤션홀 1층 포스터세션장
물품보관	아라컨벤션홀 1층 세미나실 2
등록대	아라컨벤션홀 1층 대회의실 앞 로비



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5. Shuttle Bus

■ 운영시간

타임	29일 (아라컨벤션홀)	30일 (아라컨벤션홀)
1차	8시 (라마다호텔 > 아라컨벤션홀)	8시 10분 (라마다호텔 > 아라컨벤션홀)
2차	9시 (라마다호텔 > 아라컨벤션홀)	9시 10분 (라마다호텔 > 아라컨벤션홀)
3차	10시 (라마다호텔 > 아라컨벤션홀)	12시 (아라컨벤션홀 > 제주공항)
4차	18시 50분 (아라컨벤션홀 > 제주영롱가)	13시 (아라컨벤션홀 > 제주공항)
5차	19시 30분 (아라컨벤션홀 > 제주영롱가)	
6차	20시 30분 (제주영롱가 > 라마다호텔)	
7차	21시 (제주영롱가 > 라마다호텔)	

■ 호텔발 차량 탑승처

위치	라마다 제주시티 호텔 정문
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6. Banquet



일시	2024년 8월 29일 목요일 19:00
장소	제주 영롱가 제주 제주시 인다15길 16
참석대상	KSMRM 2024 등록자 전원



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7. Lottery Drawing

Please drop the coupon in front of Conference Hall
main entrance by 10:00 on August 30th.



1
Person

Apple Watch SE
(2nd generation)



1
Person

Kodak Minishot 3



4
People

Starbucks
Gift Certificate
KRW 50,000 won

Please show your ID card when you get a gift.
You have to come in person.

(경품은 본인만 수령이 가능하며,
경품 수령 시에는 신분증을 꼭 지참해주시기 바랍니다.)

8. Contact Us

대한미토콘드리아연구의학회 사무국

이메일 ksmrm2020@gmail.com

전화번호 070-7587-0116



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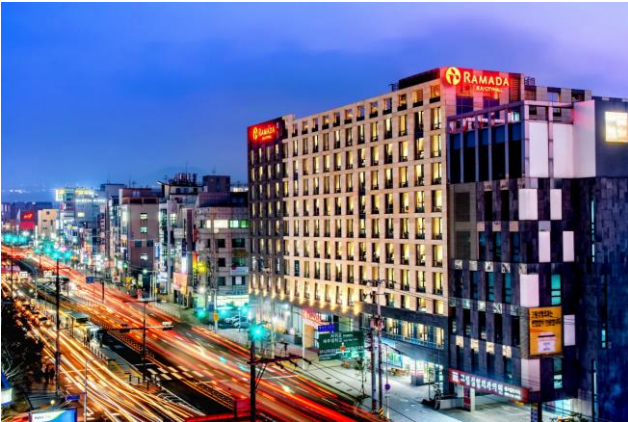
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9. Accommodation

예약 마감



Venue	라마다 제주 시티홀 호텔 Ramada Jeju Cityhall hotel
Address	Kor. 제주 제주시 중앙로 304 Eng. 304, Jungang-ro, Jeju-si, Jeju-do, Republic of Korea

10. Direction

Location	Kor. 제주특별자치도 제주시 제주대학로 102 Eng. 102, Jejudaehak-ro, Jeju-si, Jeju-do, Republic of Korea
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How to get to Jeju National University

제주공항 → 제주대학교 * 8/28: 의과대학 강당 / 8/29-30일: 아라컨벤션홀

**1일차와 2-3일차 장소가 다르니 참석에 유의해주십시오.

Bus	급행 181번 탑승 → 산천단 한국폴리텍대학 정류장 하차 (약 50분) 간선 302번 탑승 → 제주대학교 정류장 하차 (약 1시간)
Taxi	28일: '제주대학교 의과대학'으로 요청 (약 27분), 택시비 13,600원 29-30일: '제주대학교 아라컨벤션홀'으로 요청 (약 27분), 택시비 13,600원