

2024 대한골대사학회 제36차 추계학술대회

2024. 11. 9. (토)
세종대학교 광개토관 B2 컨벤션홀

제24차 연구워크숍

2024. 11. 8. (금)
세종대학교 광개토관 B2 컨벤션홀

2024. 11. 8./금

13:00-13:10 개회사

대한골대사학회 회장 김낙성

Session 1. Advanced Research Technologies for Visualizing the Microscopic World

좌장: 김정은 (경북의대), 이윤실 (서울치대)

13:10-13:40 **Single-molecule methods for studying DNA repair and cellular communications**

이종봉 (포항공대 물리학과)

13:40-14:10 **Studying biology at molecular resolution by cryo-EM**

노성훈 (서울대 생명과학부)

14:10-14:40 **Understanding near-to-native state: cryo-correlative microscopy and image analysis using AI**

김용재 (ZEISS Korea)

14:40-15:00

Coffee Break

Session 2. Live Workshop of Research Skills

좌장: 이광표 (한국생명공학연구원), 김현우 (KAIST)

15:00-15:30 **Analytical methodology for mouse NMJ studies**

강중순 (성균관의대 분자세포생물학과)

15:30-16:00 **Proteomic sample preparation and its applications in mass spectrometry**

문정희 (한국생명공학연구원 공동장비분석센터)

16:00-16:20

Coffee Break

Session 3. Innovations in Longevity: Senolytics, Geroprotectors, and Global Data

좌장: 이현승 (충남의대), 안성희 (인하의대)

16:20-16:50 **Current clinical research on senolytics**

김천아 (한국생명공학연구원 노화융합연구단)

16:50-17:20 **Common data model을 활용한 다국적 임상 연구**

조재형 (계명대의대 ICT사업단)

17:20-17:50 **Geroprotectors offering innovative solutions to combat aging and disease**

조경아 (전남의대 생화학교실)

17:50-18:00 폐회사

대한골대사학회 이사장 백기현

2024. 11. 9./토

Room1 (Convention A)

08:30-09:00 등록

09:00-09:10 개회사

대한골대사학회 회장 김낙성

Symposium 1. A Multidisciplinary Approach to Tackling Osteoporosis and Fractures

좌장: 변동원 (순천향의대), 권영주 (고려의대)

09:10-09:35 What is Our Treatment Plan to Young Women with High Risk of Fractures?

이경옥 (고려의대 산부인과)

09:35-10:00 Unveiling the Impact of Anti-Rheumatoid Arthritis Medications on Bone Health

주지현 (가톨릭의대 류마티스내과)

10:00-10:25 Keeping Bones Strong in CKD Patients: The Optimal Strategy

김지은 (고려의대 신장내과)

10:25-10:50 Debunking Myths: Is Stopping Anti-Resorptives Always necessary in Dental Procedures?

김진우 (이화여대 구강악안면외과)

10:50-11:10

Coffee Break

Plenary Lecture

좌장: 김현주 (경북의대)

11:10-12:00 Transcriptional Regulation of Gene Expression

류현모 (서울치대 치과약리학교실)

Sponsored Lecture 1

좌장: 백기현 (가톨릭의대)

12:00-12:15 The Therapeutic Roles of Drinkable Alendronate in Osteoporosis Patients (Masibone S)

안성희 (인하의대 내분비내과)

12:15-13:00

Lunch

Keynote Symposium. The Crossroads of Bone and Other Tissues: Exploring Interactions and Implications

좌장: 정호연 (경희의대), 최제용 (경북의대)

13:00-13:25 The Lifelong Dynamic Duo: Bone and Muscle

김범준 (울산의대 내분비내과)

13:25-13:50 Bone and Fat: Friends or Foes?

이현승 (충남의대 내분비내과)

13:50-14:15 Bone and Tendon: The Ultimate Friends

Elazar Zelzer (Weizmann Institute of Science, Israel)

Presidential Lecture

좌장: 이수영 (이화여대)

14:15-14:35 A Journey from Fruit Flies to Human Skeletons : Unveiling the Fine-Tuners of Bone Homeostasis

김낙성 (전남의대 약리학교실)

14:35-14:55

Coffee Break

Symposium 3. Fractures as Our Primary Outcome: Key Insights and Strategies

좌장: 김덕윤 (경희의대), 하용찬 (서울부민병원)

14:55-15:20 Life-Saving Hip Fracture Surgery in Seniors: Overcoming Medical Obstacles

이영균 (서울의대 정형외과)

15:20-15:45 Rethinking Vertebroplasty: Holistic Approaches to Acute Compression Fractures

이병호 (연세의대 정형외과)

15:45-16:10 Life After a Fracture: Comprehensive Aftercare for Better Recovery

임재영 (서울의대 재활의학과)

16:10-16:20

Break

2024 학술대상

16:20-16:40 From Bones to Brilliance: My Clinical Adventure

이유미 (연세의대 내분비내과)

16:40-16:50 2024 연구상, 젊은연구자상, 우수논문상 시상

16:50-17:00 총회

17:00-17:05 폐회사

대한골대사학회 이사장 백기현

Room2 (Convention C)

Symposium 2. Advances in Bone-Mimicking Systems

좌장: 김홍희(서울치대), 백정화(서울치대)

09:10-09:35 Oxygen Gradient Chip & Shape Memory Scaffold for Osteochondral Regeneration

성학준 (연세의대 의공학교실)

09:35-10:00 Bioengineered Bone Organoids on Osteoid-Mimicking Demineralized Bone Paper

이정우 (University of Massachusetts Amherst, USA)

10:00-10:25 Well-Plate Format Bone-on-a-Chip System for Bone Metabolism Research

김정아 (한국기초과학지원연구원 연구장비개발부)

10:25-10:50 Heterogeneous Osteoimmune Profiles via Single-Cell Transcriptomics in osteoporotic Patients who fail Bisphosphonate Treatment

김건화 (한국기초과학지원연구원 디지털오믹스연구부)

10:50-11:10

Coffee Break

Sponsored Lecture 2

좌장: 공현식 (서울의대)

12:00-12:15 Treatment Journey to Protect Bones From Fractures with EVENITY & Prolia

유준일 (인하의대 정형외과)

12:15-13:00

Lunch

Symposium 4. Advances in Muscle Research

좌장: 고정태 (전남치대), 박석인 (고려의대)

14:55-15:20 Characteristic of Muscle Fatty Degeneration in Patients with Limb-Girdle Muscular Dystrophy 2B and Animal Models

문영재 (전북의대 생화학분자생물학교실)

15:20-15:45 Reinforcing Differentiation of Oxidative Muscle Fibers and Mitochondrial Biogenesis by ROR α -Mediated Upregulation of TFAM in Myosteatosis

이미옥 (서울대 약대 약학과)

15:45-16:10 Epigenetic Strategies for Reversing Mammalian Aging

양재현 (한국과학기술원 뇌인지과학과)