(사)한국독성학회/한국환경성돌연변이발암원학회

2025 춘계 독성학 워크샵 & 춘계 국제심포지움

2025 춘계 독성학 워크샵 May 15 (Thursday), 2025

첨단의약품의 안전성평가 및 최신 독성평가법 개발

2025 춘계 국제심포지움
2025 KSOT/KEMS Spring International Symposium
May 16 (Friday), 2025

Next-Generation Disease Prevention: Insights from Future Toxicology Technologies
(차세대 질병 예방: 미래 독성학 기술로부터)

장소 : 건국대학교 새천년관

May 15 (Thursday), 2025

2025 춘계 독성학 워크샵

첨단의약품의 안전성평가 및 최신 독성평가법 개발

12:30 등 록

13:20-13:30 개회사 — 사회 : 윤준원 교수 (서울대학교)
최경철 회장 (한국독성학회)

13:30-15:30

Part 1 장기 칩, 오가노이드 기반 독성평가법 개발

좌장 : 이병철 교수 (숙명여자대학교)

13:30-14:00 미세생리시스템 및 오가노이드를 이용한 독성평가의 임상연계
조영재 교수 (분당서울대학교병원)

14:00-14:30 면역활성 종양 구상체 기반 신약 개발 최근 기법
서행란 책임연구원 (한국파스퇴르연구소)

14:30-15:00 의약품 독성/유효성 검증을 위한 미세생리시스템과 이를 활용한 AI 예측 기술
박승 교수 (충북대학교)

15:00-15:30 장기칩을 활용한 첨단의약품의 안전성평가 및 최신 독성평가기법 개발
안중호 교수 (성균관대학교)

15:30-16:00 Break

16:00-18:00

Part 2 첨단의약품 안전성평가

좌장 : 양세란 교수 (강원대학교)

16:00-16:30 첨단바이오의약품 및 첨단의약품 비임상평가 사례분석
김종원 박사 (K-헬스미래추진단)

16:30-17:00 RNA 치료제의 최신 동향
김연준 대표 (㈜큐마인)

17:00-17:30 염증성 장질환에서 프로바이오틱스의 활용: Nod2 매개 신호기전 연구
박종환 교수 (전남대학교)

17:30-18:00 스텔스바디 항체원천기술에 의해 안전성 및 유효성이 개선된 차세대 ADC 개발
장기환 연구소장 (㈜크로스포인트 테라퓨틱스)

18:00-18:10 총평 및 폐회사

May 16 (Friday), 2025

2025 춘계 국제심포지움

Next-Generation Disease Prevention: Insights from Future Toxicology Technologies
(차세대 질병 예방: 미래 독성학 기술로부터)

08:30 Registration

09:30-09:50 Welcome Remarks
Kyung-Chul Choi (President of KSOT, Chungbuk National University)
Seogyoun Kang (Director General, National Institute of Food and Drug Safety Evaluation)
Jeong-Doo Heo (President of Korea Institute of Toxicology)
Eui-Kyung Lee (President of KFDC, Sungkyunkwan University)

09:50-10:30 **Plenary Lecture I** Online Zoom

Chairperson: Ji-Eun Kim (The Catholic University of Korea)

The Evolving Benefit vs. Risk Value Proposition for GLP-1 Medicines
Daniel Drucker (Mt. Sinai Hospital, University of Toronto, Canada)

10:30-10:50 Break

10:50-12:20

Session 1 : Toxicological Implications of Glucagon-Like Peptide-1 (GLP-1) in Metabolic Regulation and Therapeutic Applications

Chairperson: Jeong-Hwan Che (Seoul National University Hospital)

10:50-11:20 Beyond Weight Loss: Potential Neural Mechanisms for Toxicological Negative Emotions Linked to GLP-1 Therapies
Hyung Jin Choi (Seoul National University)

11:20-11:50 Adipose Tissue Lipid Metabolism: Exploring Toxicological Aspects in Therapeutic Targeting
Yun-Hee Lee (Seoul National University)

11:50-12:20 Therapeutic Targeting of PAK4 in Metabolic Disease and Its Toxicological Implication
Eun Ju Bae (Jeonbuk National University)

12:20-13:30 Council Meeting / Lunch

13:30-14:10 **Plenary Lecture II**

Chairperson: Mi-Kyoung Kwak (The Catholic University of Korea)

Abnormal Lipid Metabolism and Fatty Liver Disease: A Comprehensive Review of My Toxicology Research
Byung-Hoon Lee (Seoul National University)

14:10-15:40

Session 2 : Experimental Determination of Ultrafine Dusts on the Respiratory Organs and Secondary Organs

Chairperson: Eun-Jung Park (Kyung Hee University)

14:10-14:40 PM2.5 and Human Health: Toxicity Studies on Respiratory, Brain, Kidney, and Vascular Systems and the Korean Integrated Research Framework
Kyuhong Lee (Korea Institute of Toxicology)

14:40-15:10 Studies on the Pathological Effect of PM2.5 on the Brain Using Inhalation and Intra-tracheal Instillation Exposure Model
Do Geun Kim (Korea Brain Research Institute)

15:10-15:40 Adverse Outcomes, Biokinetics, and Key Mechanisms of Respiratory Toxicity of Exhuast and Non-exhaust Ultrafine Particles
Wan-Seob Cho (Dong-A University)

15:40-16:00 Break

16:00-17:30 Sponsored by KIT

Session 3 : Current Trends in Cardiotoxicity Assessment of Drugs: CiPA

Chairperson: Ki Kyung Jung (National Institute of Food and Drug Safety Evaluation)

16:00-16:30 Multi-Ion Channel Assay in Cardiovascular Safety Pharmacology
Woo Kyung Kim (Dongguk University)

16:30-17:00 In Silico Cardiac Pharmacological Safety Assessment Methods and Introduction to Application Software
Ki Moo Lim (Kumoh National Institute of Technology)

17:00-17:30 Advanced Cardiac Pharmacological Safety Based on Human iPS
C-Yoon Kim (Konkuk University)

17:30-17:50 Closing Remarks

17:50 Reception

주최 (사)한국독성학회/한국환경성돌연변이발암원학회 KoBIA Korea Biomedicine Industry Association 한국바이오의약품협회

후원 식품의약품안전처 · 식품의약품안전평가원 KIT 안전성평가연구소 Korea Institute of Toxicology

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