

# 2022 춘계 국제심포지움

2022 KSOT/KEMS Spring International Symposium

# Current Issues in Biotherapeutics

(바이오횰약품 안전성 연구의 최신 동향)

May 13 (Friday), 2022

- In-Person & Virtual

- Venue : Samsung Convention Center, Seoul National University, Seoul, Korea

2022 춘계 독성학 워크샵

첨단바이오횰약품과 살생물제의 안전성평가와 최신 이슈

May 12 (Thursday), 2022

## May 12 (Thursday), 2022

### 2022 춘계 독성학 워크샵

#### 첨단바이오횰약품과 살생물제의 안전성평가와 최신 이슈

13:20-13:30 개회사 사회 : 이주영 교수 (가톨릭대학교)  
천영진 회장 (한국독성학회)

13:30-15:30

#### Part 1 첨단바이오횰약품의 안전성평가 및 개발동향

좌장 : 심순미 교수 (세종대학교)

13:30-14:00 바이오의약품의 면역독성  
고우석 박사 (프레스티지바이오횰로직스㈜)

14:00-14:30 생체 분자영상을 이용한 바이오의약품의 비임상 분포 평가  
박현수 박사 (서울대학교)

14:30-15:00 항체-약물 중합체의 유효성/안전성 평가 관련 글로벌 연구 및 규제동향  
이병일 박사 (LG생명과학)

15:00-15:30 항체-약물 중합체의 특성 및 약물동태학적 특성 분석을 위한  
기반기술 개발  
진중화 박사 (오송첨단의료산업진흥재단)

15:30-16:00 Break

16:00-18:00

#### Part 2 살생물제의 안전성평가 및 관리

좌장 : 박용주 교수 (경성대학교)

16:00-16:30 화학제품안전법 이행을 위한 살생물제 승인 규정의 이해  
이재우 연구사 (국립환경과학원)

16:30-17:00 살생물제 구제제류의 효과 · 효능 시험방법 개발 및 평가  
탁준형 교수 (서울대학교)

17:00-17:30 화학제품안전법상 살생물제의 독성시험 개요  
엄현수 소장 (안전성평가솔루션(주))

17:30-18:00 중대재해처벌법 이해 및 대응  
김경윤 전문위원 (노무법인 더원)

18:00-18:10 총평 및 폐회사

## May 13 (Friday), 2022

### 2022 춘계 국제심포지움

#### Current Issues in Biotherapeutics

(바이오횰약품 안전성 연구의 최신 동향)

#### 09:30-9:50 Welcome Remarks

Dr. Young-Jin Chun (President of KSOT, Chung-Ang University)

Dr. Kyung Won Seo (Director General, National Institute of Food and Drug Safety Evaluation)

Dr. Eun Ju Jeong (President of Korea Institute of Toxicology)

#### 09:50-10:30 Plenary Lecture I

Chairperson: Dr. Hyung Sik Kim (Sungkyunkwan University)

Key Concepts in Nonclinical Safety Assessment of Antisense Oligonucleotides (ASOs)  
Dr. Tae-Won Kim (IONIS Pharmaceuticals, USA)

#### 10:30-10:40 Break / Exhibition Visiting

10:40-12:10

#### Session 1 : The Development of mRNA Vaccine and Its Side Effects

Chairperson: Dr. Ki Taek Nam (Yonsei University)

#### 10:40-11:10 mRNA Vaccine and Its Adverse Effect

Dr. Jae-Hwan Nam (The Catholic University of Korea)

11:10-11:40 Clinical Significance of mRNA COVID-19 Vaccine Adverse Reactions  
Dr. Jacob Lee (Hallym University Kangnam Sacred Heart Hospital)

11:40-12:10 Myocarditis: A Serious Complication of mRNA Vaccine for COVID-19  
Dr. Eun Seok Jeon (Samsung Medical Center/Sungkyunkwan University)

#### 12:10-13:30 Exhibition Visiting / Council Meeting

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

Chairperson: Dr. Tae Cheon Jeong (Yeungnam University)

Intratracheal Therapy Using Oligodeoxynucleotides and/or Genetically Modified Lactic Acid Bacteria-derived Biological Molecules  
Dr. Takashi Sato (Shinshu University, Japan)

14:10-15:40

#### Session 2 : Advanced Biologics – Safety and Efficacy Issues in Preclinical and Clinical Study

Chairperson: Dr. Kyung-Min Lim (Ewha Womans University)

14:10-14:40 Forefront of In Vivo Genome Editing for Vision  
Dr. Jeong Hun Kim (Seoul National University Hospital)

14:40-15:10 Current Status of CAR-T, Its Pros and Cons  
Dr. Hyoung Jin Kang (Seoul National University Hospital)

15:10-15:40 Clinical Development of Olinvacimab and Other Novel Therapeutics  
Dr. Jin-San Yoo (PharmAbcine)

#### 15:40-16:00 Break / Exhibition Visiting

16:00-17:30

#### Session 3 : (KIT Session) Preclinical Trial Evaluation and Guidelines for Biopharmaceutical Development

Chairperson: Dr. Ki-Suk Kim (Korea Institute of Toxicology)

16:00-16:30 PBMC-humanized Mouse Models for Efficacy Evaluation of Immuno-oncology Drugs  
Dr. Jong Soon Kang (Korea Research Institute of Bioscience and Biotechnology)

16:30-17:00 Preclinical Safety Aspects of MSC-derived Extracellular Vesicles in Drug Development  
Dr. Kyoung-Sik Moon (Korea Institute of Toxicology)

17:00-17:30 Considerations on Non-clinical Assessment of Biologics  
Dr. Kyoung Suk Choi (Ministry of Food and Drug Safety)

#### 17:30-17:40 Closing Remarks

주최 (사)한국독성학회/한국환경성물연변이발암원학회

후원  안전성평가연구소  식품의약품안전처 · 식품의약품안전평가원

KSOT/KEMS Secretariat

Tel : 82-2-888-3248 E-mail : ksot@ksot.or.kr Website : www.ksot.or.kr