

[TS15W2]**Nanotechnology in EHS(Environment, Health, Safety) & Standardization 2**

Date & Time	July 3(Wed.), 2024 / 15:40–17:40
Place	Room 307
Session Chair(s)	Young Jun Kim (KIST–Europe)

TS15W2_I_1 *Invited 15:40–16:10**CHIASMA, INSIGHT and PINK: An European Approach to Animal-Free Safe and Sustainable by Design**

T. Serchi¹, E. Arnesdotter¹, P. Weber¹, A. Marvuglia¹, B. Beccari Barreto¹, P. Isigonis¹, D. Greco², A. Serra², L. Saarimäki², T. Exner³, J. Dokler³, and S. Friedrichs⁴

(¹Luxembourg Institute of Science and Technology, ²Tampere University, ³Seven Past Nine, ⁴AcumenIST SRL)

TS15W2_I_2 *Invited 16:10–16:40**An Optimization of Bronchoalveolar Lavage Fluid (BALF) Analysis Methods for Inhalation Toxicity Testing of Nanomaterials: Importance of Standardization and Efforts to Develop ISO International Standard Test Methods**

Somin Lee¹, Seung Han Lee¹, Kyung Seuk Song¹, Soyeon Jeon², Gyuri Kim², and Wan Soeb Cho²

(¹KCL, ²Dong-A University)

TS15W2_O_3 16:40–16:55**Exploring Time-Dependent Cellular Diversity in 3D Lung Models Exposed to Silver Nanoparticles through Single Cell Analysis**

Eunseo Lee¹, Seung-Min Ha¹, Seung-geun Park¹, and Tae Hyun Yoon^{1,2}

(¹Hanyang University, ²Yoon Idea Lab Co., Ltd.)

TS15W2_O_4 16:55–17:10**Presentation of Nanomaterial Grouping Methodology based on NanoApp**

Bogyeoum Choi¹, Sanghun Kim^{1,2}, Marie-Leonie Bohlen², and Hyun Pyo Jeon^{1,2}

(¹Kyungsoo University, ²The Safe Europe)

TS15W2_I_5 *Invited 17:10–17:40**Active Biohybrid Matters for Fights Against Infection and Pollution**

Hyunjoon Kong

(The University of Illinois at Urbana-Champaign)