

October 11, 2019, 13:30–15:15 (3F 그랜드볼룸 A)

- W001** Detection of Tetracycline in Tap Water through Short-Length Based Aptamer  
Soo Min KIM, Lee Young KIM, Hye Won KIM, Jae Young SONG, Jeong Ah PARK, Tack LEE  
Department of Chemical Engineering, Kwangwoon University, Seoul, Korea
- W002** Increasing the Concentration of Angiogenic Factor in Conditioned Medium Retrieved from Human Stem Cells for Treating Ischemic Diseases  
Yu-Jin KIM, Jihun SONG, Sangho LEE, Jisoo IM, Hanseul LEE, Suk Ho BHANG  
School of Chemical Engineering, Sungkyunkwan University, Suwon, Korea
- W003** Functional Peptide-mediated shRNA Delivery for Psoriasis Treatment  
Yeong Chae RYU<sup>1</sup>, Yoo Eun LEE<sup>2</sup>, Jae Wook LEE<sup>2</sup>, Ji Eun LEE<sup>2</sup>, Min Kyoung KIM<sup>2</sup>, Byeong Hee HWANG<sup>1,2</sup>  
<sup>1</sup>Department of Bioengineering and Nano-bioengineering, Incheon National University, Incheon, Korea,  
<sup>2</sup>Division of Bioengineering, Incheon National University, Incheon, Korea
- W004** Improved Biosynthesis of D-phenyllactic Acid by Using a Coenzyme Regeneration System  
Jisu PARK, Hansol KIM, Jeongbin LEE, Sungah LIM, Sanghun JEONG, Young Joo YEON  
Department of Biochemical Engineering, Gangneung-Wonju National University, Gangneung, Korea
- W005** Anti-inflammatory Effect of *Codonopsis pilosula* Extracts Fermented by *Ganoderma lucidum* in LPS-Stimulated MH-S Cells  
Hyunji PARK<sup>1</sup>, Wonyeoung CHOI<sup>2</sup>, Sohee AHN<sup>2</sup>, Minju KIM<sup>2</sup>, Eunji KIM<sup>2</sup>, Mijin KWON<sup>3</sup>, Youngho CHO<sup>1,2</sup>  
<sup>1</sup>Department of Medical Engineering & Science, Konyang University, Daejeon, Korea, <sup>2</sup>Department of Pharmaceutics and Biotechnology, Konyang University, Daejeon, Korea, <sup>3</sup>R&D center, PSA co., Daejeon, Korea
- W006** Designed Protein-based Hydrogel Using Intrinsically Disordered Protein  
WONKYUNG AHN, HYUNWOO JE, WONHOON KIM, DAYEON KANG, EUNJUNG LEE  
Department of Chemical Engineering, Kyungpook National University, Daegu, Korea
- W007** Development of Synthetic Promoters for Enhancing Mitochondrial Gene Expression  
Yoon-ha JANG, Yuji CHOI, Yeonju KIM, Minjeong SOHN, Soojin HONG, Kwang-il LIM  
Department of Chemical and Biological Engineering, Sookmyung Women's University, Seoul, Korea
- W008** The Effect of Emodin, a Main Ingredient of *Polygonum multiflorum*, on Melanogenesis for the Development of an Original Black Hair Agent  
Sojeong JEON<sup>1</sup>, Suyeon EOM<sup>2</sup>, Sohyun PARK<sup>3</sup>, Seong-Hee KANG<sup>3</sup>, Na-Young KIM<sup>3</sup>, Moon-Moo KIM<sup>3</sup>  
<sup>1</sup>Department of Chemistry & Biology, Doug-eui University, Busan, Korea, <sup>2</sup>Department of Chemistry, Doug-eui University, Busan, Korea, <sup>3</sup>Department of Applied Chemistry, Doug-eui University, Busan, Korea



## [WISET] 여대학(원)생 팀제연구지원사업 성과발표회

- W009** Rationally Engineered Anti-angiogenic Nanoparticles for Dual Imaging-guided Photodynamic Therapy  
Eunkyeong JUNG, Siyeon KIM, Nuri KIM, Soonyoung KWON, Jiyun KIM, Dongwon LEE  
Department of BIN Convergence Technology, Chonbuk National University, Jeonju, Korea
- W010** Designing Chatbot-based Intervention Algorithm for the Users with Metabolic Syndrome  
Hyo Yi CHOI<sup>1</sup>, Jun Woo LEE<sup>1</sup>, Ju Ha BAEK<sup>1</sup>, Jiyoung KO<sup>1</sup>, Youjin HWANG<sup>2</sup>  
<sup>1</sup>College of Pharmacy, Seoul National University, Seoul, Korea, <sup>2</sup>Human-computer Interaction and Design Lab., Seoul National University, Seoul, Korea