

[S6-2] 부문위원회 및 학생세션 II: Therapeutic Biomedical Engineering

● October 10, 2019, 14:55–16:23 (Room 322)

Chair: Byeong Hee Hwang (Incheon National University)

S621

14:55-15:15



Localized Cancer Immunotherapy Using Bioinspired Therapeutic Antibody-releasing Immuno-glue

Kye Il JOO, Yeonsu JEONG, Hyung Joon CHA

Department of Chemical Engineering, POSTECH, Pohang, Korea

S622

15:15-15:35



Development of HER2 Targeted HSP90 Inhibitor Delivery System Based on Biological Affinity Binding

Kwang Suk LIM¹, Daniel Y. LEE², David A. BULL², Young-Wook WON²

¹Department of Biotechnology and Bioengineering, Kangwon National University, Chuncheon, Korea, ²Department of Surgery, College of Medicine, University of Arizona, Tucson, AZ, USA

S623

15:35-15:47

Magnetically Targeted Sticky Microparticles for Site-Specific and Prolonged Drug Delivery

HYUN SUN CHOI¹, YUN KEE JO², HYUNG JOON CHA¹

¹Department of Chemical Engineering, Pohang University of Science and Technology, Pohang, Korea,

²Department of Chemical and Biomolecular Engineering, University of Pennsylvania, Philadelphia, USA

S624

15:47-15:59

Gene Transfection Enhanced by the Synergistic Nano-complex

Soon Gil JEONG¹, Byeong Hee HWANG^{1,2}

¹Dept. of Bioengineering and Nano-bioengineering, Incheon National University, Incheon, Korea,

²Division of Bioengineering, Incheon National University, Incheon, Korea

S625

15:59-16:11

Bioluminescence-Promoted Photodynamic Therapy in Breast Cancer Cells

Eun Hye KIM, Young-Pil KIM

Department of Life Science, Hanyang University, Seoul, Korea

S626

16:11-16:23

Neuroprotective Effects of Curcumin-HSA Nanoparticles in *C. elegans* Parkinson's Disease Model

Arvie Camille DE GUZMAN¹, Shin Sik CHOI^{1,2}

¹Department of Energy Science and Technology, Myongji University, Yongin, Korea, ²Department of Food and Nutrition, Myongji University, Yongin, Korea