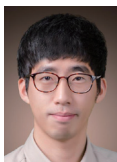


● October 10, 2019, 16:50–18:22 (Room 322)

Chair: Young Joo Yeon (Gangneung–Wonju National University)

S631

16:50-17:10



Design of Artificial Enzyme Complexes Based on Microbial Biomimetics

JeongEun HYEON

Department of Food Science and Biotechnology, College of Knowledge-Based Services Engineering, Sungshin Women's University, Seoul, Korea.

S632

17:10-17:22

Engineering of Retroviral DNA Integration Patterns Using Nanotopography

Yoon-ha JANG¹, Yi-seul PARK², Jung-soo NAM³, Yeji YANG¹, Ji-eun LEE¹, Kwang-hee LEE⁴, Minho KANG⁵, Alex CHIALASTRI⁶, Hohsuk NOH⁷, Jungwon PARK^{5,8}, Jin Seok LEE², Kwang-il LIM^{1,3}

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²Department of Chemistry, Sookmyung Women's University, Seoul, Korea, ³Department of Medical and Pharmaceutical Sciences, Sookmyung Women's University, Seoul, Korea, ⁴M monitor, Inc., Daegu, Korea, ⁵Center for Nanoparticle Research, Institute for Basic Science (IBS), Seoul, Korea, ⁶Department of Chemical Engineering, University of California at Santa Barbara, Santa Barbara, CA, USA, ⁷Department of Statistics, Sookmyung Women's University, Seoul, Korea, ⁸School of Chemical and Biological Engineering, Institute of Chemical Process, Seoul National University, Seoul, Korea

S633

17:22-17:34

Benchmarking Studies for Template-Based Modeling of Protein Structures

Sang Mi LEE, Woo Dae JANG, Hyun Uk KIM, Sang Yup LEE

Department of Chemical and Biomolecular Engineering (BK21 Plus Program), Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea

S634

17:34-17:46

Newly Identified Partial Peptide Derived from Human Neutrophil Peptide-1 Promotes Hemostasis

Woo Gi LEE¹, Byeong Hee HWANG^{1,2}

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

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

S635

17:46-17:58

Enzymatic Synthesis and Biochemical Characterization of Rubusoside Glucoside Using Dextranucrase

Yujin JUNG, Nguyen Thi Thanh HANH, Sanjida HUMAYUN, Juhui JIN, Doman KIM

Department of food and biotechnology, Seoul national University, Pyeongchang, Korea

S636 17:58-18:10

Discovery and Characterization of Novel Phospholipase A₂s Originated from Marine Microorganisms

Yeji HWANG, Ara CHO, Hanna YU, Yena SONG, Yena KIM, Soyeon PARK, Jin-Byung PARK

Department of Food Science and Engineering, Ewha Womans University, Seoul, Korea

S637 18:10-18:22

Tyrosinase-Catalyzed Immobilization of β -Agarase onto L-lysine-Coated Magnetic Nanoparticles for the Conversion of *Gelidium amansii* into Biologically-active Neogagarooligosaccharides

Teklebrahan G. WELDEMHRET¹, Grace M. NISOLA¹, Kristine Rose M. RAMOS¹, Kris Niño G. VALDEHUESA¹, Angelo B. BAÑARES¹, Wook-Jin CHUNG¹, Won-Keun LEE²

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