

[S5-1] Recent Progress on Nanobiosensor in Biotechnology

October 10, 2019, 13:00–14:40 (Room 324–B)

Chairs : Jeewon Lee (Korea University), Byung-Keun Oh (Sogang University)

S511

13:00-13:25



Programmable Paper-Based Microfluidic Devices for Biomarker Detections

Veasna SOUM, Sooyong PARK, Albertus Ivan BRILIAN, Oh-Sun KWON,

Kwanwoo SHIN

Department of Chemistry and Institute of Biological Interfaces, Sogang University, Seoul, Korea

S512

13:25-13:50



Development of Peptide Biosensor for the Detection of Disease Biomarkers

Jong Pil PARK

Department of Pharmaceutical Engineering, Daegu Haany University, Korea

S513

13:50-14:15



Aptamer Engineering for Diagnosis, Surveillance, and Control of Bacteria

Byoung Chan KIM^{1,2}

¹Center for Environment, Health and Welfare Research, Korea Institute of Science and Technology (KIST), ²Division of Energy and Environment Technology, KIST-School, University of Science and Technology (UST), Korea

S514

14:15-14:40



Synthesis of Monodisperse Starch Nano/microparticles through Molecular Rearrangement of Short-chain Glucans and its Application to Biosensing System

Young-Rok KIM

Department of Food Science and Biotechnology, Kyung Hee University, Yongin, Korea