

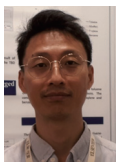
[S6-7] 부문위원회 및 학생세션 VII: Biological Detection Technology

● October 11, 2019, 15:30–16:50 (Room 322)

Chair: Cheulhee Jung (Korea University)

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15:30-15:50



Highly Sensitive and Specific Detection of Toluene Using Bioreceptor-Modified Optical SIS Sensor

Tran Thi DUNG^{1,2}, Moonil KIM^{1,2}

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15:50-16:02

Nanoparticles for Discriminative and Quantitative Detection of Different Subtypes of Anti-Hepatitis a Virus Immunoglobulins

Hye-hyun KIM, Jung-hyuk KWON, Jeewon LEE

Department of Chemical and Biological Engineering, Korea University, Seoul, Korea

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16:02-16:14

Comparative Evaluation of Sensitivity to Hexanal Between Human and Canine Olfactory Receptors

Sang Won CHO¹, Tai Hyun PARK^{1,2}

¹School of Chemical and Biological Engineering, Seoul National University, Seoul, Korea, ²Institute of Chemical Processes, Seoul National University, Seoul, Korea

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16:14-16:26

Anti-Primary Astrocyte ssDNA Aptamer Potentiates Simultaneous Monitoring of Astrocyte-to-Neuron Conversion

Eun-Song LEE, Miso KIM, Young-Pil KIM

Department of Life Science, Hanyang University, Seoul, Korea.

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16:26-16:38

Improvement of a Diffusion-based Microfluidic Chemotaxis Assay through Stable Formation of a Chemical Gradient

Byungjin LEE¹, Heon-Ho JEONG², Kyoung-Ku KANG¹, Chang-Soo LEE¹, Sang-Ho LEE³

¹Department of Chemical Engineering, Chungnam National University, Daejeon, Korea, ²Department of Chemical and Biomolecular Engineering, Chonnam National University, Yeosu, Korea, ³Micro/Nano Scale Manufacturing R&D Group, Korea Institute of Industrial Technology, Ansan, Korea

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16:38-16:50

High Affinity Peptide-tethered Electrochemical Biosensor for the Detection of Neutrophil Gelatinase-associated Lipocalin

Chae Hwan CHO, Ji Hong KIM, Myung Yi RYU, Jae Hwan SHIN, Jong Pil PARK

Department of Pharmaceutical Engineering, Daegu Haany University, Gyeongsan, Korea