



• Field Bio-materials
• Name Park, Min
• Title Assistant professor

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Education background

2006-2013 Yonsei University (Ph.D. - The Department of Advanced Materials Science and Engineering)

2001-2006 Yonsei University (B.S. - The Department of Ceramic Engineering)

Major careers

2016-present Assistant Professor of the Department of Materials Science and Engineering, College of Engineering, Hallym University

2015-2016 Korea Technology Finance Corporation

2014-2015 Post-Doc. of the Molecular Recognition Research Center, Korea Institute of Science and Technology

2013-2014 University of Münster, Institute for Pharmaceutical and Medicinal Chemistry, Post-Doc.

Studies & Books

- In vitro kit for medical diagnosis
- Bio-system engineering
- Nano-Bio hybrid materials

■ 주요 논문

- "Capillary electrophoresis-laser-induced fluorescence (CE-LIF)-based immunoassay for quantifying antibodies against cyclic citrullinated peptides", *Analyst*, 143, 3141-3147 (2018).
- "Thermophoretic immunoassay based on autodisplayed Z-domains for the diagnosis of C-reactive protein", *Sens. Actuators B-Chem.*, 258, 1131-1137 (2018).
- "Orientation and density control of proteins on solid matters by outer membrane coating: Analytical and diagnostic applications", *Analyst*, 142, 1720-1728 (2017).
- "Isolation and characterization of the outer membrane of Escherichia coli with autodisplayed Z-domains" *BBA-Biomembranes*, 1848, 842-847 (2015).
- "Flow cytometric immunoassay using E.coli with autodisplayed Z-domains" *Enzyme. Microbial.*, 53, 181-188 (2013).
- "SPR biosensor by using E. coli outer membrane layer with autodisplayed Z-domains" *Sens. Actuator B-Chem.*, 154, 82-88 (2011).
- "E. coli outer membrane with autodisplayed Z-domain as a molecular recognition layer of SPR biosensor" *Biosens. Bioelectron.*, 25, 1225-1228, (2010).
- "Highly sensitive immunoassay based on E. coli with autodisplayed Z-domain" *Anal. Chim. Acta*, 667, 113-118, (2010)

Others

- Academic activities

2016-Present : Committee Member of the Korean BioChip Society / 2016-Present : Director of the Society of Micro and Nano Systems