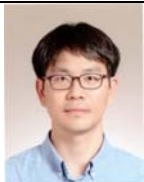


## Curriculum Vitae

<b>Name in Full</b>	Eung-Sam Kim	
<b>Position</b>	Assistant Professor	
<b>Affiliation</b>	Department of Biological Sciences, College of Natural Sciences, Chonnam National University	
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### Educational Background

Ph.D. (Nanobiotechnology, Cancer Biology), POSTECH, 2011  
MS (MEMS), KAIST, 1998  
BS (Mechanical Engineering), KAIST, 1996

### Professional Career

2014 – Present, Assistant Professor, Chonnam National University, Gwangju, Korea  
2013 – 2014, Senior research fellow at University of Washington, Seattle, USA  
2012 – 2013, Research fellow at SBIC, A\*STAR and NUS, Singapore  
2011 – 2012, Post-doctoral researcher at POSTECH Biotech Center  
2006 – 2011, Ph.D. candidate at POSTECH  
2003 – 2006, Researcher at POSTECH  
2001 – 2003, Project Coordinator at TI Telecommunications, Ltd., Seoul, Korea

### Research of Interest

1. Cellular Mechanobiology: Understanding cellular responses to mechanical/biochemical cues
2. Biomimetics: Implementing bio-inspired nano/microsystems

### Recent 5-year Publication (2011 – 2016)

1. Self-assembling Peptides for Stem Cell Differentiation and Tissue Engineering, Biomaterials Science (2016)
2. Effect of Oncogene Activating Mutations and Kinase Inhibitors on Amino Acid Metabolism of Human Isogenic Breast Cancer Cells, Molecular Biosystems (2015)
3. Reading Single DNA with DNA Polymerase Followed by Atomic Force Microscopy, JACS (2014)
4. Three-Dimensional Structures of a Wild-Type Ketosteroid Isomerase and Its Single Mutant in Solution, Science of Advanced Materials (2014)
5. Comparative Studies on SIRT6 and SIRT7 Interactomes: implications of their roles in aging via associating with interacting partners, Proteomics (2014)
6. Emerging Nanotechnology Approaches in Tissue Engineering and Regenerative Medicine, International Journal of Nanomedicine (2014)
7. Recent Advances in Nanobiotechnology and High-throughput Molecular Techniques for Systems Biomedicine, Molecules and Cells (2013)
8. Kinetic Characterization of On-Chip DNA Ligation on Dendron-coated Surfaces with Nanoscaled Lateral Spacings, Nanotechnology (2013)
9. Controlled release of human growth hormone fused with a human hybrid Fc fragment through nanoporous polymer membrane, Nanoscale (2013)
10. BNIP3 is degraded by ULK1-dependent autophagy via mTORC1 and AMPK, Autophagy (2013).
11. Enhanced Adhesion of Osteoblastic Cells on Polystyrene Films by Independent Control of Surface Topography and Wettability, Materials Science and Engineering: C (2013)
12. REST-dependent expression of TRF2 renders non-neuronal cancer cells resistant to DNA damage during oxidative stress, International Journal of Cancers (2013)
13. Micro-/Nanotechnology-based Isolation and Clinical Significance of Circulating Tumor Cells, Biomedical Engineering Letters (2012)
14. Following the DNA Ligation of a Single Duplex Using Atomic Force Microscopy, ACS Nano (2012)
15. Transdermal delivery of Hyaluronic Acid–Human Growth Hormone Conjugate, Biomaterials (2012)
16. Synergistic Effect of Orientation and Lateral Spacing of Protein G on an On-chip Immunoassay, Analyst(2012)
17. Detection of central single-nucleotide mismatches in short duplex DNAs on hyper-branched amine surfaces, BioChip Journal (2011).
18. Overexpression of renal tumor antigen is associated with tumor invasion and poor prognosis of hepatocellular carcinoma, Annals of Surgical Oncology (2011)
19. Effects of lateral spacing on enzymatic on-chip DNA polymerization, Biosensors & Bioelectronics (2011)