
Biographical Sketch: Sungsu Park, Ph.D.



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A. Education:

1997-1999	Ph.D. Food Science	Cornell University, Ithaca, USA
1994-1997	M.Sc. Food Science	Cornell University, Ithaca, USA
1987-1994	B.Sc. Microbiology	Pusan National University, Pusan, Korea

B. Appointments:

2014 – pres.	Professor, School of Mechanical Engineering, Sungkyunkwan University, Korea
2008 - 2014	Associate/Full Professor, Dept. of Chemistry and Nano Sciences, Ewha Womans University, Seoul, Korea
2010 – 2015	Co-Principal Investigator, Mechanobiology Institute (MBI), National University of Singapore (NUS), Singapore
2004 – 2008	Assistant Professor, Division of Nano Sciences, Ewha Womans University, Korea
2001 – 2004	Post-doc., Department of Physics, Princeton University, USA
2000 – 2001	Post-doc., Department of Bioengineering, Cornell University, USA
1999 – 2000	Post-doc., Department of Biological Information, Tokyo Institute of Technology, Japan

C. Representative Publications (138 SCI/SCIE Papers):

1. J. Han, Y. Jun, S. H. Kim, H. Hoang, Y. Jung, S. Kim, J. Kim, R. H. Austin*, S. Lee*, S. Park*. “Rapid identification of cancer drug resistance mechanisms by microfluidic cell culture and deep sequencing technologies” *PNAS*, **2016**, 113, 14283-14288.
2. Cui, Y., Hameed, F. M., Yang, B., Lee, K., Pan, C. Q., Park, S. *, & Sheetz, M.P.*” Cyclic Stretching of Soft Substrates Induces Spreading and Growth”. *Nat. Commun.* **2015**, 6:6333 doi: 10.1038/ncomms7333.
3. S. Kou, H. N. Lee, D. v. Noort, K. M. K. Swamy, S. H. Kim, J. H. Soh, K. M. Lee, S. -W. Nam, J. Yoon* and S. Park* “Fluorescent Molecular Logic Gates using Microfluidic Devices” *Angew. Chem. Int. Ed.* **2008**, 47(5), 872-876.
4. S. Park, P. M. Wolanin, E. A. Yuzbashyan, H. Lin, N. C. Darnton, J. B. Stock, P. Silberzan, and R. Austin* “Influence of topology on bacterial social interaction” *PNAS* **2003**,100,13910-13915. (Front Cover) (*Selected by Faculty of 1000*).
5. S. Park, P. M. Wolanin, E. A. Yuzbashyan, P. Silberzan, J. B. Stock*, R. H. Austin “Motion to Form a Quorum” *Science* **2003**, 301,188. (*Selected by Faculty of 1000*).