

Speaker Profile



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Name : Kahp Yang Suh

Title : Assistant Professor

Institute : Seoul National University

Personal profile including his/her education, fields of study, personal experience, etc.

Prof. Kahp-Yang Suh was born in Seoul, South Korea in 1972. After obtaining his Ph.D. degree from the School of Chemical and Biological Engineering at Seoul National University (SNU) in 2002, he moved to MIT for postdoctoral research with Robert Langer, working on the merger of micro/nanotechnologies with tissue engineering and lab on a chip. He began his independent career in 2004 as an Assistant Professor in the Mechanical and Aerospace Engineering at SNU.

He has 88 papers in peer-reviewed journals including 3 review papers, 4 book chapters and 10 US or domestic patents. He won a number of awards, including TR100 Young Innovator Award (2004) by MIT Technology Review, Best Graduate Student Award by the Brain Korea (BK) 21 Program of the Korean Government (2005) and Young Professor Award by College of Engineering of SNU (2007).

His current research focuses on two areas:

One is the integration of polymeric micro/nanostructures with microfluidic platforms for separation and enrichment of cancer cells and for single cell studies to elucidate signaling pathways of cellular expression. The other is mimicking functional nanostructures found in nature such as lotus leaf and gecko foot hairs using various unconventional lithographic methods. Prof. Suh is currently serving as an editorial board member of Lab on a Chip journal.

