Ji Yeon Lee

Chemical Engineering
University of Florida
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Education

Ph.D. Course, Chemical Engineering Department, 08/23/2006~present
University of Florida
Master of Science, Department of Chemical and Biological Engineering, February 2006
Seoul National University
Bachelor of Science, School of Chemical Engineering, February 2004
Seoul National University

Publication

"Surface Modification of Poly(dimethylsiloxane) for Retarding Swelling in Organic Solvents", Jiyeon Lee, M. Joon Kim, and Hong H. Lee, **2006**, *Langmuir*, **22**(5), 2090-2095

"An Improved Method of Preparing Composite PDMS Molds", Hyewon Kang, **Jiyeon Lee**, Joonhyung Park, and Hong. H. Lee, **2005**, *Nanotechnology*, **17**, 197-200

"Residue-Free Nanofilling with Wetting Solutions", Tae-ill Kim, S. Joon Kwon, **Jiyeon Lee** and Hong H. Lee, **2006**, *Applied Physics Letters*, **89**, 173115

Experience

Graduate Research Assistant
Chemical Engineering, University of Florida
Researched Cell Mechanism and Nanobiotechnology
Supervised by Dr. Tanmay Lele (University of Florida) (7. 2007 ~ present)

Graduate Research Assistant, Nano Processing and Organic Devices Lab.(Brain Korea 21)
School of Chemical and Biological Engineering, Seoul National University
Researched Nano Patterning, Electronic Materials, and Organic Devices
Supervised by Dr. Hong. H. Lee (Seoul National University) (1. 2004 ~ 2. 2006)

Researcher Assistant, Research Project of Korea Research Foundation
" Fabrication of Nano Patterns Using Capillary Force and Polymer Dewetting Phenomenon "
(1. 2004 ~ 11. 2004)

Researcher Assistant, Research Project of Korea Science and Engineering Foundation(KOSEF)

"Development of Non-photolithographic Patterning Process and Their Mechanical Characterization Technologies for Fabrication of Functional Ceramic and Organic Micro/Nano Devices "(1. 2004 ~ 8.2006)

Researcher Assistant, Research Project of Nano System Institute_National Core Research Center (NSI-NCRC)

"Nanophotonic Materials" (1.2004 ~ 8.2005)

Teaching Assistant, Seoul National University

Graded undergraduate students in the course Chemical Reaction Engineering 2
(9. 2004 ~ 12. 2004)

Accomplishment

The Seoul National University scholarship with honor for 7 semesters 2000 ~ 2003
The Seoul National University scholarship with honor, Un-Bong Foundation scholarship 2004
The scholarship of Brain Korea 21 (2004 ~ 2006)
University of Florida Assistantship (2006 ~ present)