

## Speaker Profile

 <p><b>Contact Details</b> <b>Organization Name:</b> Chungnam National University <b>Address:</b> Chungnam National University, Daejeon, 34134, Republic of Korea <b>Email:</b> nanoleelab@cnu.ac.kr, nanoleelab@gmail.com  <b>Website:</b> <a href="https://nanoleelab.wixsite.com/homepage">https://nanoleelab.wixsite.com/homepage</a></p>	<p><b>Name:</b> Jaebeom Lee <b>Title:</b> Professor <b>Institute:</b> Chungnam National University</p> <p>Jaebeom Lee received his B.S. degrees in Chemistry from Chungnam National University in 1998, and Ph.D. degree in Chemistry from the Robert Gordon University, United Kingdom in 2003.</p> <p>Before joining the faculty at Pusan National University (PNU) in 2007, Dr. Lee worked as a research fellow on several projects on design and synthesis of flexible nanoscale superstructures for sensing and actuating, development of tissue imaging using florescent nanoparticles and nanowires, development of nanoscale wavelength shift sensor using semiconductor nanowire in the Chemical Engineering Department at the University of Michigan (UM), Ann Arbor for more than four years. The Project was granted by the National Science Foundation (NSF) since the work involved a design of generic sensors based on CdTe nanowires that can monitor the analyte concentration in the wavelength shift of the emission.</p> <p>Dr. Lee was awarded Newport Research Excellence Award from SPIE at 2004 when he was at UM, Best Research Faculty Award (2009,2011, PNU), Premier Research Faculty Award (PNU, 2011). Since 2007 when he joined PNU, Dr. Lee continued his research on various types of functional superstructures using nanoparticles to acknowledge physicochemical and optical properties in the nanoscale regime and their applications such as nanoscale temperature sensors, nanoscale optical switch, bionodegradable structure design.</p> <p>Dr. Lee is currently a professor at Department of Chemistry, Chungnam national University and his research interests in fabrication and characterization of engineered assemblies of magnetoplasmonic nanomaterials and synthesis and characterization of nanostructures for energy and biomedical applications. Also Dr. Lee is interested in surface modification of nanocomposites for biocompatibility and biodegradability in bionano-medical applications.</p>
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