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EDUCATION

Seoul National University	Ph.D	Public Health (Molecular epidemiology)	2007
Seoul National University	MS	Public Health (Molecular epidemiology)	2003
Chungbuk National University	BS	Science education	2001

PROFESSIONAL ACTIVITIES

- Senior Researcher, GLP center, Korea Conformity Laboratories, Republic of Korea, May 2006 to Present
- Research Assistant, Environmental research group, Korea Atomic Energy Research Institute, Laboratories, Republic of Korea, February 2003 to May 2006
- Lecturer, Chungbuk National University, Department of biology education, Republic of Korea, March 2005 to February 2010
- Certified Toxicology Professional, Diplomated Korean Board of Toxicology, Republic of Korea, 2003 to present

AWARD AND HONORS

- Best Research Award : Korea Society of Radiation Biosicence, November 2005
- Best Poster Award : Nano Korea 2014

MAIN SCIENTIFIC PUBLICATION

- Multiwall Carbon Nanotube-Induced DNA Damage and Cytotoxicity in Male Human Peripheral Blood Lymphocytes. Int J Toxicol. 35(1):27-37
- Single-wall carbon nanotubes (SWCNT) induce cytotoxicity and genotoxicity produced by reactive oxygen species (ROS) generation in phytohemagglutinin (PHA)-stimulated male human peripheral blood lymphocytes. Journal of Toxiocology and Environmental Health, 77: 1141-1153.
- In vivo genotoxicity evaluation of lung cells from Fischer 344 rats following 28 days of inhalation exposure to MWCNTs, plus 28 days and 90 days post-exposure. Inhal Toxicol. 26(4):222-34.
- Evaluation of in vitro and in vivo genotoxicity of single-walled carbon nanotubes. Toxicol Ind Health. 31(8): 747-57.

RESEARCH INTERESTS

- Safety and Toxicity of micro and nanomaterials
- Alternative to animal test