

# NANO KOREA 2020

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### Nam-Hyuk Cho

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#### EDUCATION

Seoul National University	Ph.D	Microbiology	2001
Korea University	MS	Molecular Biology	1998
Korea University	BS	Genetic Engineering	1996

#### PROFESSIONAL ACTIVITIES

- Post-Doctoral associate, Department of Microbiology and Molecular genetics, Harvard Medical School, USA (May 2002 to August 2004)
- Assistant/Associate/Tenure Professor, Department of Microbiology and Immunology, Seoul National University College of Medicine, Republic of Korea (October 2004 to present)

#### AWARD AND HONORS

- Academic Award for Basic Medical Scientist, Korean Association of Basic Medical Scientists, 2009
- Hantaan Prize, Hantaan Life Science Foundation, 2012
- Young Scientist Award, KAST, 2012

#### MAIN SCIENTIFIC PUBLICATION

- Non-invasive in vivo imaging of caspase-1 activation enables rapid and spatiotemporal detection of acute and chronic inflammatory disorders. *Biomaterials*. 2020 Jan; 226:119543.
- Application of ZnO-Based Nanocomposites for Vaccines and Cancer Immunotherapy. *Pharmaceutics*. 2019 Sep 26;11(10). pii: E493.
- Immunization with a recombinant antigen composed of conserved blocks from TSA56 provides broad genotype protection against scrub typhus. *Emerg Microbes Infect*. 2019;8(1):946-958.
- Application of radially grown ZnO nanowires on poly-l-lactide microfibers complexed with a tumor antigen for cancer immunotherapy. *Nanoscale*. 2019 Feb 27; 11(10), 4591–4600.

#### RESEARCH INTERESTS

- Emerging infectious diseases, Microbial Pathogenesis, Vaccine
- Application of Nanotechnology, Cancer immunotherapy, Dendritic cells