

## Speaker Profile



### Contact Details

#### Organization

**Name:**  
NanoMedicine Research  
Co.

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#### Name

**Jinhyuk Chung, Ph. D.**

#### Title

**Chief Executive Officer/ Chief Research Officer  
Institute**

#### Field of Study

Dr. Jinhyuk Chung received his chemistry degree from Rensselaer Polytechnic Institute, Troy NY, in 2004 for his leading dissertation research that dealt with the cause and the treatment strategies for amyotrophic lateral sclerosis. After a brief post-doctoral training from his doctoral advisor, Prof. Wilfredo Colon, Dr. Chung returned to South Korea to pursue nanomedicinal research.

His current research interest is in developing a novel anti-cancer therapeutic agent named OFeCa-1, a pH-sensitive organo-metallic nanoparticle moiety. Borrowing the well-known phenomenon of metal overloading-induced cell deaths, Dr. Chung aims to treat difficult cancers such as lung and brain tumors using only the benign biological metals such as calcium and iron.

#### Past Experience

Chief Executive Officer / Chief Research Officer  
(NanoMedicine Research Co., March, 2006 ~ Current)  
Post Doctoral Research Associate (RPI, Jan 2005 ~  
Aug 15, 2005)  
Ph. D. in Chemistry (RPI, Aug 2002 ~ Dec 2004).  
B.A. in Biophysics and Biochemistry (RPI, Aug 2000 ~  
Dec. 2003)  
KAIST (Fall 1999~ Spring 2000)

#### Works

- PCT/KR2007/001313 "Water-soluble organometallic nanoparticles and method for preparing the same" Jinhyuk Chung and Soonhai Hong, March, 2007
- NanoMedicine Research Co. Founded, April 2006.
- U.S. Provisional Patent No. 60/543,786 "Compositions and Methods for Treating Amyotrophic Lateral Sclerosis (ALS)" Chung J. et al., Feb. 2005
- "Cu/Zn superoxide dismutase can form pore-like structures." Chung J. et al., Biochem Biophys Res Commun. 2003 Dec 26; 312(4): 873-6

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