



ymhan@kaist.ac.kr

Yong-Mahn HAN Ph.D.

Dr. Han is an Emeritus Professor at Graduate School of Medical Science and Engineering, KAIST, Daejeon, Korea. He is interested in cellular reprogramming, differentiation of human pluripotent stem cells (hPSCs), disease modeling using iPSCs and also focuses on regulation of insulin secretion in hPSC-derived pancreatic islet-like organoids.

EDUCATION

- **1993** : Ph.D., Department of Biological Sciences, KAIST, Korea
- **1986** : M.S., Department of Animal Sciences, Konkuk University, Korea
- **1984** : B.S., Department of Animal Sciences, Konkuk University, Korea

EXPERTISE

- Cellular reprogramming
- Differentiation of human pluripotent stem cells
- Disease modeling using iPSCs

OTHERS

- Editor-in-chief, International Journal of Stem Cells
- Editorial Board Member, Developmental Dynamics

ACADEMIC APPOINTMENTS

- **2022 - present** : Professor, Graduate School of Medical Science & Engineering, KAIST
- **2011 - present** : Member, The Korean Academy of Science and Technology (KAST)
- **2006 - 2022** : Professor, Department of Biological Sciences, KAIST
- **2017 - 2021** : Dean, College of Life Science & Bioengineering, KAIST
- **2016 - 2020** : Director, BioMedical Research Center, KAIST
- **2015 - 2019** : Editorial Board Member, Journal of Biological Chemistry
- **2016 - 2017** : Head, Graduate School of Medical Science and Engineering, KAIST
- **2016 - 2016** : President, Korean Society for Stem Cell Research (KSSCR)
- **2012 - 2013** : Director, Academic Affairs, KAIST
- **2011 - 2012** : Head, Department of Biological Sciences, KAIST
- **2009 - 2012** : Adjunct Professor, Hanam Agricultural University, China
- **1999 - 2003** : Adjunct Professor, Chungnam National University
- **1997 - 1998** : Postdoc Fellow, Univ. of Missouri-Columbia, USA
- **1986 - 2006** : Principal Research Scientist, Korea Research Institute of Bioscience and Biotechnology (KRIBB)

SELECTED PUBLICATIONS

1. Cho, G., Hyun, K., Choi, J., Shin, E.J., Kim, B., Kim, J., Kim, H., Han, Y.M. 2023. Arginine 65 methylation of Neurogenin 3 by PRMT1 is a prerequisite for normal development of hESCs into pancreatic endocrine cells. *Experimental & Molecular Medicine*. 55: 1506-1519.
2. Choi, J., Shin, E., Lee, J., Somayadineshrai, D., Kim, D., Shin, J.H., Choi, J.H., Heo, W.D., Han, Y.M. 2023. Light-stimulated insulin secretion from pancreatic islet-like organoids derived from human pluripotent stem cells. *Molecular Therapy*. 31(5): 1480-1495.
3. Choi, J.B., Lee, J., Kang, M., Kim, B., Ju, Y., Do, H.S., Yoo, H.W., Lee, B.H., Han, Y.M. 2021. Dysregulated ECM remodeling proteins lead to aberrant osteogenesis of Costello syndrome iPSCs. *Stem Cell Reports*. 16: 1985-1998.
4. Ju, Y., Park, J.S., Kim, D., Kim, B., Lee, J.H., Nam, Y., Yoo, H.W., Lee, B.H., Han, Y.M. 2020. SHP2 mutations induce precocious gliogenesis of Noonan syndrome-derived iPSCs during neural development in vitro. *Stem Cell Research & Therapy*. 11: 209.