Curriculum Vitae

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Professor
Department of Biological Sciences, Seoul National University

Educational Background

2003-2005	Institute for Systems Biology, Postdoctoral Fellow
1999-2003	MIT, Department of Chemical Engineering, Ph.D.
1996-1998	POSTECH, Department of Chemical Engineering, M.S.
1990-1996	POSTECH, Department of Chemical Engineering, B.S.

Professional Experience

2019.03-Present	Seoul National University, School of Biological Sciences, Professor
2013.10-2019.02	Institute for Basic Science, Center for Plant Aging Research, Associate Director
2013.10-2019.02	DGIST, Department of New Biology, Professor
2006.08-20130.9	POSTECH, School of Interdisciplinary Bioscience and Biotechnology, Assistant & Associate Professor
2006.01-2006.08	Institute for Systems Biology, Senior Scientist

Research Interests

Systems Biology, Genomics, Proteomics, Multi-omics analysis, Precision medicine

Publications

1. K. Boo, J. Bhin, Y. Jeon, J. Kim, H.R. Shin, J. Park, K. Kim, C.Rok. Kim, H. Jang, I. Kim, V.N. Kim, D. Hwang*, H. Lee*, and S.H. Baek*. Pontin functions as an essential coactivator for Oct4-dependent lincRNA expression in mouse embryonic stem cells. Nature Communications, 6, 6810 (2015).
2. S. Lee*, J. Lee*, S. Chae*, Y. Moon*, H. Lee, B. Park, E.G. Yang, D. Hwang#, and H. Park#. Multi-dimensional histone methylations for coordinated regulation of gene expression under hypoxia. Nucleic Acids Research, 45,20, 11643-11657 (2017).
3. D. Mun*, J. Bhin*, S. Kim*, H. Kim*, J.H. Jung*, Y. Jung, Y.E. Jang, J.M. Park, H. Kim, Y. Jung, H. Lee, J. Bae, S. Back, S. Kim, J. Kim, H. Park, H. Li, K. Hwang, Y.S. Park, J.H. Yook, B.S. Kim, S.Y. Kwon, S.W. Ryu, D.Y. Park, T.Y. Jeon, D.H. Kim, J. Lee, S. Han, K.S. Song, D. Park, J.W. Park, H. Rodriguez, J. Kim, H. Lee, K.P. Kim, E.G. Yang#, H.K. Kim#, E. Paek#, S. Lee#, S. Lee#, and D. Hwang#. Proteogenomic characterization of human early onset gastric cancer. Cancer Cell, 35, 111-124 (2019).
4. J.-S. Kong*, J.-H. Park*, S.-A. Yoo, K.-M. Kim, Y.-J. Bae, Y.-J. Park, C.-S. Cho, D. Hwang#, and W.-U. Kim#. Dynamic Transcriptome Analysis Unveils the Key Pro-Resolving Factors of Chronic Inflammatory Arthritis. Journal of Clinical Investigation 130(8):3974-3986 (2020).
5. D. Hyeon. et al. Proteogenomic landscape of human pancreatic ductal adenocarcinoma in an Asian population reveals tumor cell-enriched and immune-rich subtypes. Nature Cancer 4, pages290-307 (2023).