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WT-CRUK Gurdon Institute,
WT-MRC Cambridge Stem Cell Institute,
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EDUCATION

- 3/2007 – 7/2013 Ph.D., School of Interdisciplinary Bioscience and Bioengineering, POSTECH, Korea
Advisor: Prof. Daehee Hwang
- 3/1999 – 8/2006¹ B.Sc., Department of Mathematics, POSTECH, Korea (Magna cum laude) ¹A leave of absence due to Korea military service between 3/2001 – 2/2004

RESEARCH EXPERIENCE

- 8/2019 – Present Research Associate
WT-CRUK Gurdon Institute, WT-MRC Cambridge Stem Cell Institute, University of Cambridge, UK
Advisor: Prof. Benjamin D. Simons
- 4/2016 – 7/2019 Visiting Researcher
WT-MRC Cambridge Stem Cell Institute, WT-CRUK Gurdon Institute, University of Cambridge, UK
Advisor: Prof. Benjamin D. Simons, Dr. Bon-Kyoung Koo
- 1/2014 – 12/2015 Research fellow
Department of Life Sciences, POSTECH, Korea
Advisor: Prof. Sung Ho Ryu
- 8/2013 – 12/2013 Postdoctoral fellow
Department of Life Sciences, POSTECH, Korea
Advisor: Prof. Sung Ho Ryu

PUBLICATIONS (* denotes co-first author)

1. Kim, Y.*, **Han, S.***, Yeom, M., Kim, H., Lim, J., Cha, J.Y., Kim, W.Y., Somers, D.E., Putterill, J., Nam, H.G., Hwang, D. (2013). Balanced nucleocytoplasmic partitioning defines a spatial network to coordinate circadian physiology in plants. *Developmental Cell* 26, 73-85.
2. Kim, Y.*, **Han, S.***, Choi, S., and Hwang, D. (2013). Inference of dynamic networks

using time-course data. *Briefings in Bioinformatics*.

3. Choi, S.H., Hyeon, D.Y., Lee, I.H., Park, S.J., **Han, S.**, Lee, I.C., Hwang, D., Nam, H.G. (2014). Gene duplication of type-B ARR transcription factors systematically extends transcriptional regulatory structures in Arabidopsis. *Scientific Reports* 4, 719.
4. Yunn, N.O., Koh, A., **Han, S.**, Lim, J.H., Park, S., Lee, J., Kim, E., Jang, S.K., Berggren, P.O., and Ryu, S.H. (2015). Agonistic aptamer to the insulin receptor leads to biased signaling and functional selectivity through allosteric modulation. *Nucleic Acids Res* 43, 7688-7701.
5. Lee, B., Song, T., Lee, K., Kim, J., **Han, S.**, Berggren, P.O., Ryu, S.H., and Jo, J. (2017). Phase modulation of insulin pulses enhances glucose regulation and enables inter-islet synchronization. *PLoS One* 12, e0172901.
6. Lee, J.H., Tammela, T., Hofree, M., Choi, J., Marjanovic, N.D., **Han, S.**, Canner, D., Wu, K., Paschini, M., Bhang, D.H., *et al.* (2017). Anatomically and Functionally Distinct Lung Mesenchymal Populations Marked by Lgr5 and Lgr6. *Cell* 170, 1149-1163 e1112.
7. **Han, S.***, Fink, J.*, Joerg, D., Lee, E., Yum M.K., Chatzeli L., Merker S., Josserand, M., Trendafilova, T., Andersson-Rolf, A., Dabrowska, C., Kim, H., Naumann R., Lee, J., Sasaki, N., Mort R.L., Basak, O., Clevers H., Stange, D.E., Philpott, A., Kim, J.K., Simons, B.D., Koo, B. (2019). Defining the identity and dynamics of adult gastric isthmus stem cells. *Cell Stem Cell*. doi: 10.1016/j.stem.2019.07.008.

FELLOWSHIPS

1. **HFSP long-term fellowship** (2016-2019)
2. Travel grant, EMBO workshop on unravelling biological secrets by single-cell expression profiling (2014)
3. Postdoctoral fellowship, the National Research Foundation of Korea (NRF) (2014-2015)
4. Postdoctoral fellowship, BK21 Plus Program of Bio-Molecular Function, POSTECH, Korea (2013-2014)
5. Graduate Fellowship, POSTECH (2007-2013)

PATENTS

1. Ryu, S., Yunn, N.O., Im, J.H., Park, S., Koh, A., Jang, S.K., **Han, S.**, Lee, J., (26.07.2016) Aptamer against insulin receptor and pharmaceutical composition containing the same. Korea patent #10-1881500

Invited Oral Presentation

CURRICULUM VITAE

- 2019 EKC2019, Vienna, Austria
- 2019 LifeTime UnConference, Barcelona, Spain