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Position: Head of Center of Excellence, Team leader of Proteomics Team

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**Education**

2004. 03 – 2010. 02	Ph.D.	Molecular and Developmental Biology, Pohang University of Science and Technology (Advisor: Jin-Kwan Han, Ph.D.)
2002. 03 – 2004. 02	M.S.	Molecular and Developmental Biology, Pohang University of Science and Technology (Advisor: Jin-Kwan Han, Ph.D.)
1995. 03 – 2002. 02	B.S.	Genetic Engineering, Life Science, Korea University Mandatory Military Service (1997 – 1999)

Professional Experience

2022. 07 – present	Head of Center of Excellence, Team leader of Proteomics Team	Soulbrain Biohealthcare Institute (SBBI), Soulbrain Holdings Co., Ltd.
2020. 02 – 2022. 07	Research director	CTCELLS Co.
2018. 07 – 2020.02	Adjuvant professor	Dept. of New Biology, Daegu Gyeongbuk Institute of Science and Technology (DGIST)
2018. 06 – 2020.01	Research director	CytoDx Co.
2013. 12 – 2018. 05	Research professor	BK21 plus Biomedical Science Education Center and Department of Biomedical Science, School of Medicine, Yangsan campus of Pusan National University
2012. 11 – 2013. 10	Senior Scientist	Research and Development, TEGO Science, Inc.
2010. 03 – 2012. 10	Postdoctoral research associate	Pohang University of Science and Technology

Publications

1. Hyeong Jung Woo[#], Seung-Hoon Kim[#], Hyo Jung Kang[#], Soo-Hwan Lee[#], **Seung Joon Lee**, Jong Man Kim, Ogan Gurel, Soo Yeol Kim, Hye Ran Roh, Jungmin Lee, Yeonsoo Park, Hyun Young Shin, Yong-Il Shin, Sun Min Lee, So Yeon Oh, Young Zoon Kim, Jung-Il Chae, Seoyoung Lee, Min Hee Hong, Byoung Chul Cho, Eun Sook Lee, Klaus Pantel, Hye Ryun Kim and Minseok S. Kim, Continuous centrifugal microfluidics (CCM) isolates heterogeneous circulating tumor cells via full automation **Theranostics** 12(8): 3676-3689, April 10, 2022, IF (JCR, 2021): 11.556
2. Ki Hyung Kim*, **Seung Joon Lee***, Juil Kim, Yuseok Moon, Dynamic Malignant Wave of Ribosome-Insulted Gut Niche via the Wnt-CTGF/CCN2 Circuit (***Co-first author**). **iScience** 23, 101076, May 22, 2020, IF (JCR, 2021): 5.458
3. **Seung Joon Lee***, Tae Seok Sim*, Hyun Young Shin*, Jungmin Lee*, Min Young Kim, Joseph Sunoo, Jeong-Gun Lee, Kyungmoo Yea, Young Zoon Kim, Danny van Noort, Soo Kyung Park, Woon-Hae Kim, Kyun Woo Park, Minseok S. Kim, Microslit on a chip: A simplified filter to capture circulating tumor cells enlarged with microbeads (***Co-first author**), **PLoS ONE** 14(10): e0223193, October 24, 2019, IF (JCR, 2021): 3.240
4. Hyun Young Shin*, **Seung Joon Lee***, Hyung Woo Seo*, Min Young Kim, Aseer Intisar, Kyungmoo Yea, Sung Chun Cho, Yun-Il Lee, Young Zoon Kim, Ogan Gurel, Danny van Noort, Sang Chul Park, and Minseok S. Kim, Cell Seeding Technology for Microarray-Based Quantitative Human Primary Skeletal Muscle Cell Analysis, (***Co-first author**), **Analytical Chemistry** 91(22): 14214-14219, October 21, 2019, IF (JCR, 2021): 6.986
5. **Seung Joon Lee**, Hyoung-Kab Kim, Hyang Burm Lee, Yuseok Moon, Comparative Evaluation of Colon Cancer Stemness and Chemoresistance in Optimally Constituted HCT-8 cell-based Spheroids, **Journal of Life Science** 26(11): 1313-1319, November 24, 2016
6. Cha-Kyu Oh*, **Seung Joon Lee***, Sung-Hwan Park, Yuseok Moon, Acquisition of Chemoresistance and other Malignancy-related Features of Colorectal Cancer Cells are incremented by Ribosome-Inactivating Stress, (***Co-first author**), **The Journal of Biological Chemistry** 291(19): 10173-10183, March 9, 2016, IF (JCR, 2021): 5.157
7. Hyeyoon Lee*, **Seung Joon Lee***, Gun-Hwa Kim, Incheol Yeo, Jin-Kwan Han, PLD1 regulates

Xenopus convergent extension movements by mediating Frizzled7 endocytosis for Wnt/PCP signal activation, (***Co-first author**), **Developmental Biology** 411(1): 38-49, March 1, 2016, IF (JCR, 2021): 3.582

8. Seong-Hwan Park, Juil Kim, Kee Hun Do, Jiyeon Park, Chang Gyu Oh, Hye Jin Choi, Bo Gyoung Song, **Seung Joon Lee**, Yong Sik Kim, and Yuseok Moon, Activating Transcription Factor 3-mediated Chemo-intervention with Cancer Chemokines in a Noncanonical Pathway under Endoplasmic Reticulum Stress, **The Journal of Biological Chemistry** 289(39): 27118–27133, September 26, 2014 IF (JCR, 2021): 5.157

9. Hye Jin Choi, Hwi-Gon Kim, Juil Kim, Seong-Hwan Park, Jiyeon Park, Chang Gyu Oh, Kee Hun Do, **Seung Joon Lee**, Young Chul Park, Soon Cheol Ahn, Yong Sik Kim, Yuseok Moon, Proapoptotic action of macrophage inhibitory cytokine 1 and counteraction of activating transcription factor 3 in carrageenan- exposed enterocytes, **Toxicology Letters** 231, 1–8, November 18, 2014, IF (JCR, 2021): 4.372

10. Wan-tae Kim, Hyunjoon Kim, Vladimir L Katanaev, **Seung Joon Lee**, Tohru Ishitani, Boksik Cha, Jin-Kwan Han and Eek-hoon Jho, Dual functions of DP1 promote biphasic Wnt-on and Wnt-off states during anteroposterior neural patterning, **The EMBO Journal**, 31(16): 3384-3397, August 15, 2012, IF (JCR, 2021): 11.598

11. **Seung Joon Lee**, Sanghee Kim, Sun-Cheol Choi, and Jin-Kwan Han XPteg (Xenopus proximal tubules-expressed gene), a MAP17-like is essential for pronephric mesoderm specification and tubulogenesis, **Mechanisms of Development**, 127(1-2): 49-61, 10 November, 2009, IF (JCR, 2021): 1.882

12. Sun-Cheol Choi*, Gun-Hwa Kim*, **Seung Joon Lee**, Eunjoo Park, Chang-Yeol Yeo and Jin-Kwan Han (*co-first author), Regulation of Activin/Nodal Signaling by Rap2-Directed Receptor Trafficking, **Developmental Cell**, 15:49-61, 8 July, 2008, IF (JCR, 2021): 12.270

13. **Seung Joon Lee** and Jin-Kwan Han, XEpac, a guanine nucleotide-exchange factor for Rap GTPase, is a novel hatching gland specific marker during the Xenopus embryogenesis, **Developmental Dynamics**, 232:1091-1097, April, 2005, IF (JCR, 2019): 3.780