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Major Field	Inflammatory bowel diseases, Small bowel enteroscopy Intestinal organoids

Educational Background

1992 ~ 1998 Wonju Medical College, Yonsei University
 2001 ~ 2004 Graduate School of Medicine, Sungkyunkwan University School of Medicine (Master degree)
 2012 ~ 2017 Graduate School of Medicine, Sungkyunkwan University School of Medicine (Ph.D degree)
 2015 ~ 2016 Visiting scholar, UCLA

Professional Experience

2007 ~ 2009 Clinical instructor, Konkuk Medical Center
 2009 ~ 2013 Assistant Professor, Konkuk University School of Medicine
 2013 ~ 2014 Clinical Assistant Professor, Samsung Medical Center
 2014 ~ 2017 Clinical Associate Professor, Samsung Medical Center
 2017 ~ 2022 Associate Professor, Samsung Medical Center, Sungkyunkwan University School of Medicine
 2022 ~ Professor, Samsung Medical Center, Sungkyunkwan University School of Medicine

Main Scientific Publications

1. Lee C, Kim JE, Cha YE, Moon JH, Kim ER, Chang DK, Kim YH, Hong SN. IFN- γ -Induced intestinal epithelial cell-type-specific programmed cell death: PANoptosis and its modulation in Crohn's disease. *Front Immunol.* 2025 Mar 31;16:1523984. doi: 10.3389/fimmu.2025.1523984.
2. Lee C, Song JH, Cha YE, Chang DK, Kim YH, Hong SN. Intestinal Epithelial Responses to IL-17 in Adult Stem Cell-derived Human Intestinal Organoids. *J Crohns Colitis.* 2022 Dec 5;16(12):1911-1923.
3. Hong SN, Park JY, Yang SY, et al. Reduced diversity of intestinal T-cell receptor repertoire in patients with Crohn's disease. *Front Cell Infect Microbiol.* 2022 Aug 10;12:932373.
4. Lee C, An M, Joung JG, Park WY, Chang DK, Kim YH, Hong SN. TNF α Induces LGR5+ Stem Cell Dysfunction in Patients With Crohn's Disease. *Cell Mol Gastroenterol Hepatol.* 2022;13(3):789-808.
5. Lee C, Hong SN, Kim ER, Chang DK, Kim YH. Epithelial Regeneration Ability of Crohn's Disease Assessed Using Patient-Derived Intestinal Organoids. *Int. J. Mol. Sci.* 2021, 22, 6013.
6. Lee C, Hong SN, Kim ER, Chang DK, Kim YH. Depletion of Intestinal Stem Cell Niche Factors Contributes to the Alteration of Epithelial Differentiation in SAMP1/YitFcsJ Mice With Crohn Disease-Like Ileitis. *Inflamm Bowel Dis.* 2021 Apr 15;27(5):667-676.
7. Lee C, Choi C, Kang HS, Shin SW, Kim SY, Park HC, Hong SN. NOD2 Supports Crypt Survival and Epithelial Regeneration after Radiation-Induced Injury. *Int J Mol Sci.* 2019 Sep 2;20(17):4297. "
8. Lee C, Lee H, Hwang SY, Moon CM, Hong SN. IL-10 Plays a Pivotal Role in Tamoxifen-Induced Spasmolytic Polypeptide-Expressing Metaplasia in Gastric Mucosa. *Gut Liver.* 2017 Nov 15;11(6):789-797.
9. Hong SN, Joung JG, Bae JS, et al. RNA-seq Reveals Transcriptomic Differences in Inflamed and Noninflamed Intestinal Mucosa of Crohn's Disease Patients Compared with Normal Mucosa of Healthy Controls. *Inflamm Bowel Dis.* 2017 Jul;23(7):1098-1108.
10. Hong SN, Dunn JC, Stelzner M, Martín MG. Concise Review: The Potential Use of Intestinal Stem Cells to Treat Patients with Intestinal Failure. *Stem Cells Transl Med.* 2017 Feb;6(2):666-676.