

- **Name:** Young Seok Ju
Assistant Professor, Graduate School of Medical Sciences
and Engineering,
Korea Advanced Institute of Science and Technology
(KAIST)
 - **Country:** Korea
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- **Educational Background:**

2007.3.-2010.2. **Ph.D.** (Advisor: Prof. Jeong-Sun Seo)
Dept. of Biochemistry, Seoul National University College of Medicine, Seoul, Korea
2001.3.-2007.2. **M.D.** (B.S in Medicine)
Seoul National University College of Medicine, Seoul, Korea

- **Professional Experience:**

2019.3.-present **Associate Professor**
2015.10.-2019.2. **Assistant Professor**
Graduate School of Medical Sciences and Engineering, KAIST, Daejeon, Korea
2013.4.-2015.10. **Postdoctoral Fellow**
Cancer Genome Project, Wellcome Trust Sanger Institute, Hinxton, UK
Postdoctoral fellow, Advisors: Prof. Mike Stratton & Dr. Peter Campbell
2010.3.-2013.3. **Postdoctoral Research** (Substitution of mandatory military service)
Researcher, Life Science Institute, Macrogen Inc., Korea

Fellowship & Awards

2020 Asan Medical Awards for Young Medical Investigators, Asan Foundation
2019- Scientific fellowship from Suh Kyungbae Research Foundation (SUHF)
2018- HFSP Young Investigator Grants (with BK Koo at IMBA and Snippert H at UMC Utrecht)
2018- Member of Y-KAST (Young Korean Academy of Science and Technology)
2018-2019 POSCO TJ Park Science Fellowship for Young Assistant Professors
2013-2015 EMBO Long Term Fellowship for Postdoctoral Research
2010 Wunsch Medical Award (for young medical scientist), Korean Society of Medicine
2010 Best Ph.D. Dissertation Award, Korean Society for Molecular and Cellular Biology

• **Main Publications:**

In reverse chronological orders. (#, corresponding author; * first author)

51. Yang JM, Park CS, Kim SH, Noh TW, Kim JH, ... , **Ju YS** & Kim I. Dll4 suppresses transcytosis for arterial blood-retinal barrier homeostasis. *Circ Res.* 2020 Mar 13;126(6):767-783. PMID:32078435.
50. Yuan Y*, **Ju YS***, Kim Y*, Li J, Wang J, ... , & Liang H. Comprehensive molecular characterization of mitochondrial genomes in human cancers. *Nat Genet.* 2020 Mar;52(3):342-352. PMID:32024997.
49. Rodriguez-Martin B, Alvarez EG, Baez-Ortega A, Zamora J, Supek F, ... , Tubio JMC. Pan-cancer analysis of whole genomes identifies driver rearrangements promoted by LINE-1 retrotransposition. *Nat Genet.* 2020 Mar;52(3):306-319. PMID:32024998.
48. Kim H, Yoon BH, Oh CM, Lee J, Lee K, ... , & Kim H. PRMT1 is required for the maintenance of mature beta cell identity. *Diabetes.* 2020 Mar;69(3):355-368. PMID:31848151.
47. Kim H, Lee AJ, Lee J, Chun H, **Ju YS** & Hong D. FIREVAT: finding reliable variants without artifacts in human cancer samples using etiologically relevant mutational signatures. *Genome Med.* 2019 Dec 17;11(1):81. PMID:31847917.
46. Lee JS, An Y, Yoon CJ, Kim JY, Kim KH, ... , Lee EY# & **Ju YS#**. Germline gain-of-function mutation of STAT1 rescued by somatic mosaicism in immune dysregulation-polyendocrinopathy-enteropathy-X-linked-like disorder. *J Allergy Clin Immunol.* 2020 Mar;145(3):1017-1021. PMID:31805313
45. Kim HD, Park S, Jeong S, Lee YJ, Lee H, ... , & Park SH. 4-1BB delineates distinct activation status of exhausted tumor-infiltrating CD8+ T cells in hepatocellular carcinoma. *Hepatology.* 2020 Mar;71(3):955-971. PMID:31353502.
44. Lee JJ-K, Park S, Park H, Kim S, Lee J, ... , **Ju YS#** & Kim YT#. Tracing oncogene rearrangements in the mutational history of lung adenocarcinoma. *Cell.* 2019 Jun 13;177(7):1842-1857. PMID:31155235.
43. Petljak M, Alexandrov LB, Brammell JS, Price S, Wedge DC, ... , & Stratton MR. Characterizing mutational signatures in human cancer cell lines reveals episodic APOBEC mutagenesis. *Cell.* 2019 Mar 7;176(6):1282-1294. PMID:30849372.
42. Park ES, Lee AR, Kim DH, Lee JH, Yoo JJ, & Kim KH. Identification of a quadruple mutation that confers tenofovir resistance in chronic hepatitis B patients. *J Hepatol.* 2019 Jun;70(6):1093-1102. PMID:30794889.