



# SIDDS 2022

Seoul International Digestive Disease Symposium 2022

*In conjunction with the annual meeting of Korean Society of Gastroenterology*

April 16-17, 2022 **Virtual Congress**



Name	Jung Kyoong Choi
Affiliation	KAIST
Country	South Korea
Major Field	Genomics

## Educational Background

2000-2004, KAIST, PhD

## Professional Experience

2004-2007, Korea Research Institute of Bioscience & Biotechnology, Research Scientist

2007-2009, Yonsei University, Research Professor

2010-2012, Genome Institute of Singapore, Principal Investigator (Joint appointment with KAIST)

2009-Present, KAIST, Professor

## Main Scientific Publications

- Matrix stiffness reversibly alters DNA methylation of mechanotransducer YAP in gastric cancer cells (Nat. Biomed. Eng. 2021) – corresponding author
- L1 retrotransposons exploit RNA m6A modification as an evolutionary driving force (Nat. Commun. 2021) - coauthor
- Lineage-dependent gene expression programs influence the immune landscape of colorectal cancer (Nat. Genet. 2020) – coauthor
- Predicting clinical benefit of immunotherapy by antigenic or functional mutations affecting tumour immunogenicity (Nat. Commun. 2020) – corresponding author
- DNA methylation loss promotes immune evasion of tumours with high mutation and copy number load (Nat. Commun. 2019) – corresponding author
- Chromatin structure-based prediction of recurrent noncoding mutations in cancer (Nat. Genet. 2016) – corresponding author
- Histone variant H3F3A promotes lung cancer cell migration through intronic regulation (Nat. Commun. 2016) – coauthor
- Intrinsic variability of gene expression encoded in nucleosome positioning sequences (Nat. Genet. 2009) – first author
- Epigenetic regulation and the variability of gene expression (Nat. Genet. 2008) – first author