



<b>Name</b>	Junho Park
<b>Affiliation</b>	CHA University School of Medicine
<b>Country</b>	Korea, Republic of
<b>Major Field</b>	Proteomics

### Educational Background

2019

M.S. and Ph.D. in Biomedical Engineering

Seoul National University College of Engineering, Seoul, Republic of Korea

(Advisor: Prof. Youngsoo Kim)

2014

B.S. in Chemical and Biomolecular Engineering

(Minor in Biomedical Engineering)

Cum laude

Sogang University College of Engineering, Seoul, Republic of Korea

### Professional Experience

2022.04-Present

Assistant Professor

Department of Medical Science, CHA University School of Medicine, Pangyo, Republic of Korea

2021.08-2022.03

Postdoctoral research associate

Instrumental Development Lab, Pacific Northwest National Laboratory, Richland, WA

(Advisor: Dr. Ying Zhu and Dr. Petyuk Vladislav)

2021.02-2021.08

Associate research scientist

Department of Neurology, Columbia University Medical Center, New York, NY

(Advisor: Prof. Philip De Jager and Dr. Petyuk Vladislav)

2020.03-2020.12

Postdoctoral research associate

Biomedical Research Institute, Seoul National University Hospital, Seoul, Republic of Korea

(Advisor: Dr. Dohyun Han and Prof. Byung-Mo Oh)

2019.09-2020.02

Postdoctoral research associate

Medical research institute, Seoul National University College of Medicine,

Seoul, Republic of Korea

(Advisor: Prof. Youngsoo Kim)



## Main Scientific Publications

WS Lee, S Woo, SH Lee, GH Jo, I Kim, H Kim, C An, S Jung, G Kim, H Kang, B Kang, JS Kim, HY Lim, I Kang, H Yang, SJ Kong, D Son, DJ Shin, WY Kwon, D-Y Lee, J-S Lee, **J Park**, Y Kim, S Hwang, C Kim, HJ Chon; Integrative Multi-Omics Profiling Identifies Infiltrative HCC as an Immunotherapy-Resistant Subtype with Distinct Molecular Features. *Clinical and Molecular Hepatology*, 2025

C Rim\*, M-J Yoo\*, D Shin\*, H-J Kim, S Sung, Y Kim, **J Park\***, and M-S Kwon\*; Postpartum brain reveals repopulating process and long-lasting proteomic changes of microglia. *Glia*, 2025 (co-corresponding author)

D Shin, D Lee, YJ Jeon, K Lee, Y Kim, and **J Park**; A Streamlined Approach for Mass Spectrometry-Based Proteomics Using Selected Tissue Regions. *Journal of Visualized Experiment*, 2025

**J Park**, T K Cheung, and Y Zhu\*; Microfluidic Sample Preparation for Multiplexed Single-Cell Proteomics Using a Nested Nanowell Chip. *Methods in Molecular Biology*, 2024

D Shin, Y Kim, **J Park\***, and Y Kim\*; High-throughput Proteomics-Guided Biomarker Discovery of Hepatocellular Carcinoma. *Biomedical Journal*, 2024 (co-corresponding author)

L Y Tan, G Cunliffe, MP Hogan, XY Yeo, C Oh, B Jin, J Kang, **J Park**, M-S Kwon, M Kim, S Jung; Emergence of the brain-border immune niches and their contribution to the development of neurodegenerative diseases. *Frontiers in Immunology*, 2024

DK Kim, K Suh, **J Park**, S-E Lee, J Han, S Chang, Y Kim, and I Mook-Jung; FGFR3 drives A $\beta$ -induced tau uptake. *Experimental & Molecular Medicine*, 2024

D Shin, J Lee, Y Kim, **J Park**, D Shin, Y Song, E-J Joo, S Roh, KY Lee, S Oh, YM Ahn, SJ Rhee, and Y Kim; Evaluation of a Nondepleted Plasma Multiprotein-Based Model for Discriminating Psychiatric Disorders Using Multiple Reaction Monitoring-Mass Spectrometry: Proof-of-Concept Study. *Journal of Proteome Research*, 2024

**J Park**, SH Lee, D Shin, Y Kim, YS Kim, MY Seong, JJ Lee, HG Seo, W-S Cho, YS Ro, Y Kim, and B-M Oh; Multiplexed Quantitative Proteomics Reveals Proteomic Alterations in Two Rodent Traumatic Brain Injury Models. *Journal of Proteome Research*, 2024

JW Jin, H Kim, **J Park**, J Woo, E Jeon, G Lee, M Park, S Kim, SH Seo, S Cheon, K Dan, J Lee, D Han, and H Ryu; In-depth proteome analysis of brain tissue from Ewsr1 knockout mouse by multiplexed isobaric tandem mass tag labeling. *Scientific Reports*, 2023

**J Park**, F Yu, J Fulcher, S Williams, K Engbrecht, R Moore, G Clair, V Petyuk, A Nesvizhskii, and Y Zhu; Evaluating linear ion trap for MS3-based multiplexed single-cell proteomics. *Analytical Chemistry*, 2023

**J Park**, H Kim, S Kim, Y Kim, J-S Lee, K Dan, M-W Seong, and D Han; In-depth blood proteome profiling analysis revealed distinct functional characteristics of plasma proteins between severe and non-severe COVID-19 patients. *Scientific Reports*, 2020

M Do, H Kim, D Shin, **J Park**, H Kim, Y Han, J Jang, and Y Kim; Marker Identification of the Grade of Dysplasia of Intraductal Papillary Mucinous Neoplasm in Pancreatic Cyst Fluid by Quantitative Proteomic Profiling. *Cancers*, 2020



C Min\*, H Hyeon\*, R Gupta, **J Park**, Y Cheon, G Lee, J Jang, H Ryu, B Lee, S Park, Y Kim, J Kim, and S Kim; Integrated Proteomics and Metabolomics Analysis Highlights Correlative Metabolite-Protein Networks in Soybean Seeds Subjected to Warm-Water Soaking. *Journal of Agricultural & Food Chemistry*, 2020

C Min\*, **J Park\***, J Bae, G Agrawal, R Rakwal, Y Kim, P Yang, S Kim, R Gupta; In-Depth Investigation of Low-Abundance Proteins in Matured and Filling Stages Seeds of *Glycine max* Employing a Combination of Protamine Sulfate Precipitation and TMT-Based Quantitative Proteomic Analysis. *Cells*, 2020

Y Kim, J Woo, **J Park**, S Kim, Y Lee, Y Kim, S Kim; Quantitative proteomics reveals distinct molecular signatures of different cerebellum-dependent learning paradigms. *Journal of Proteome Research*, 2020

D Shin\*, **J Park\***, D Han, J Moon, H Ryu, Y Kim; Identification of TUBB2A by quantitative proteomic analysis as a novel biomarker for the prediction of distant metastatic breast cancer. *Clinical Proteomics*, 2020

