



## Dong Wook Choi

Korea University, Korea

### • Education

Period	Affiliation	Position
– 2014	Department of Biological Sciences, Sungkyunkwan University	Ph.D.
– 2010	Department of Biological Sciences, Sungkyunkwan University	M.S.
– 2004-2008	Department of Biological Sciences, Sungkyunkwan University	B.S.

### • Affiliations / Experience

Period	Affiliation	Position
– 2023	Department of Biotechnology, College of Life Sciences and Biotechnology, Korea University	Associate Professor
– 2021	Department of Biochemistry, College of Natural Sciences, Chungnam National University	Assistant Professor
– 2016	Division of Metabolic Diseases, Department of Cancer Biology, Dana Farber Cancer Institute, Harvard Medical School	Research Fellow
– 2014	Department of Biological Sciences, Sungkyunkwan University	Postdoctoral Fellow

### • Committee Memberships

- KSBMB, Energy Metabolism Subcommittee
- KSBMB YSP, Committee / FAOBMB exhibition committee
- The Korean Association for Laboratory Science (KALAS) Webzine
- Korean Society for The Study of Obesity
- Korean Diabetes Association

### • Publications

- Hepatic stellate cells facilitate ammonia detoxification via GPT1-driven alanine synthesis in hepatocellular carcinoma. *Under Review at Nature Metabolism*. \*Co-corresponding Author
- A microbiota-derived metabolite, 3-phenyllactic acid, prolongs healthspan by enhancing mitochondrial function and stress resilience via SKN-1/ATFS-1. *Minor revision at Nature Communications*. \*Co-corresponding Author
- MsrB1-regulated GAPDH oxidation plays programmatic roles in shaping metabolic and inflammatory signatures during macrophage activation. *Cell Reports*. 2022 Nov 8;41(6):111598. \*Co-corresponding author
- Mitochondrial morphology controls fatty acid utilization by changing CPT1 sensitivity to malonyl-CoA. *EMBO Journal*. 2023 Mar 14;e111901 Co-first author
- HCF-1 regulates de novo lipogenesis through a nutrient sensitive complex with ChREBP. *Molecular Cell*. 2019 Jul 25;75(2):357-371 \*Co-first author