

Yong Ryoul Yang

Curriculum Vitae



Principal Researcher, Associate Professor
 Aging Convergence Research Center, Korea Research Institute of Bioscience & Biotechnology (KRIBB), Korea

Educational Background & Professional Experience

- 2024.03–Present Principal Researcher, Aging Convergence Research Center, Korea Research Institute of Bioscience & Biotechnology (KRIBB)
- 2016.10–2019.02 Associate Professor, University of Science and Technology (UST)
- 2019.03–2024.02 Senior Researcher, Aging Research Center, KRIBB
- 2012.03–2016.09 Research Fellow, School of Life Sciences, UNIST
- 2005.03–2012.02 Ph.D., Department of Molecular and Life Science POSTECH (Pohang University of Science and Technology)

Research Interests

Identify and characterize blood factors that regulate aging and tissue decline.
 Elucidate systemic mechanisms driving organismal aging.
 Translate discoveries into therapeutic platforms for age-related diseases and healthy longevity.

Publications

- Kim E, Kang JS, Yang YR*. Blood as the mirror and modulator of aging: mechanistic insights and rejuvenation strategies. Exp Mol Med. 2026.
- Kang JS, Kim JH, Kim MJ, Min B, Lee SM, Go GY, Kim JW, Kim S, Kwak JY, Chun SW, Song W, Moon HY, Chung SG, Park DH, Park JH, Kim C, Lee KP, Kwon ES, Kim N, Kwon KS, Yang YR*. Exercise-induced CLCF1 attenuates age-related muscle and bone decline in mice. Nat Commun. 2025.
- Tak KY, Kim J, Park M, Kim W, Lee S, Park N, Kim MJ, Kang JB, Koh Y, Yang HY, Yum MK, Kim I, Yang YR, Jeong WI, Yang J, Lee C, Kim C, Park JE. Quasi-spatial single-cell transcriptome based on physical tissue properties defines early aging associated niche in liver. Nat Aging. 2025.
- Shin YJ, Yang JW, Jeong H, Kim J, Lee B, Kim JW, Lee SM, Kwak JY, Son YH, Kim KJ, Yang YR, Kim C, Kwon KS, Lee KP. ExermiR-129-3p Enhances Muscle Function by Improving Mitochondrial Activity Through PARP1 Inhibition. J Cachexia Sarcopenia Muscle. 2025.
- Sa M, Yoo ES, Koh W, Park MG, Jang HJ, Yang YR, Bhalla M, Lee JH, Lim J, Won W, Kwon J, Kwon JH, Seong Y, Kim B, An H, Lee SE, Park KD, Suh PG, Sohn JW, Lee CJ. Hypothalamic GABRA5-positive neurons control obesity via astrocytic GABA. Nat Metab. 2023.

