

Ji-Hyeon Lee, Ph.D.

Postdoctoral Associate

Research Institute for Molecular Cell Biology

Department of Biological Sciences

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Education

Ph.D. in Biological Sciences and Bioengineering

03/2017 – 02/2024

Inha University, Republic of Korea

B.S. in Biological Sciences

03/2012 – 02/2017

Inha University, Republic of Korea

Research Experiences

Postdoctoral Associate

Research Institute for Molecular Cell Biology

Department of Biological Sciences and Bioengineering, Inha University

03/2024 – present

Incheon,

Republic of Korea

Graduate Researcher

Lab. of Biogerontology (Advisor: Dr. Kyung-Jin Min)

Department of Biological Sciences and Bioengineering, Inha University

09/2016 – 02/2024

Incheon,

Republic of Korea

Research Intern

Lab. of Molecular and Behavioral genetics (Advisor: Dr. Dae-Sung Hwangbo)

Department of Biology, University of Louisville

09/2022 – 11/2022

Louisville, KY,

USA

Research Intern

Foley Lab. (Advisor: Dr. Edan Foley)

Department of Medical Microbiology and Immunology, University of Alberta

03/2020 – 05/2020

Alberta, AB,

Canada

Undergraduate Researcher

Lab. of Cellular Differentiation (Advisor: Dr. Hansol Lee)

Department of Biological Sciences, Inha University

03/2014 – 09/2015

Incheon,

Republic of Korea

Honors and Awards

Research Awards

Outstanding Research Awards: Best Researcher

02/2024

Graduation school of Inha University

Outstanding Research Awards

02/2019

Graduation school of Inha University

National Research Competition Award

10/2019

X-Corps Festival, The Ministry of Science and ICT of Korea

Presentation Awards

Outstanding Oral Presentation Awards

International Joint Symposium of Inha University and ETH Zurich	06/2023
Korean Society for Integrative Biology	12/2020
Korean Society for Engineering Education	08/2019

Outstanding Poster Presentation Awards

Korean Society for Integrative Biology	12/2021
Korean Society for Gerontology	11/2020
Korean Society for Gerontology	06/2018

Publications

Lee HY*, **Lee JH***, Baek J, Cho KA, & Min KJ. (2024) Piperine improves the health span of *Drosophila melanogaster* with age- and sex-specific effects. Biogerontology. Advance online publication. *Co-first author

Lim JS, Lee DY, Kim KS, Pietrocola F, Hong SH, ... **Lee JH**, Kim HJ, Go HS, Jeon EJ, Kim KY, Nguyen TQT, & Cho KA. (2024) Mucosal TLR5 activation controls healthspan and longevity. Nature communications. 15(1): 46.

Lee HY, **Lee JH**, Kim SH, Jo SY, & Min KJ. (2023) Probiotic *Limosilactobacillus reuteri* (*Lactobacillus reuteri*) Extends the Lifespan of *Drosophila melanogaster* through Insulin/IGF-1 Signaling. Aging and Disease. 14(4): 1407-1424.

Platonova EY, Shaposhnikov MV, Lee HY, **Lee JH**, Min KJ, & Moskalev A. (2021) Black chokeberry (*Aronia melanocarpa*) extracts in terms of geroprotector criteria. Trends in Food Science & Technology. 114(1): 570-584.

Lee HJ, Lee SH, **Lee JH**, Kim Y, Seong KM, Jin YW, & Min KJ. (2021) Role of Commensal Microbes in the γ -Ray Irradiation-Induced Physiological Changes in *Drosophila melanogaster*. Microorganisms. 9(1): 31.

Yeom E, Kwon DW, Lee J, Kim SH, **Lee JH**, Min KJ, Lee KS, & Yu K. (2020) Asparaginyl-tRNA synthetase, a novel component of hippo signaling, binds to salvador and enhances yorkie-mediated tumorigenesis. Frontiers in cell and developmental biology. 8(1): 32.

Lee JH, Seo W, Lee SH, Lee HY, and Min KJ. (2019) Strain-specific effects of parental age on offspring in *Drosophila melanogaster*. Entomological Research. 49(5): 187-202.

Lee HY, Lee SH, **Lee JH**, Lee WJ, & Min KJ. (2019) The role of commensal microbes in the lifespan of *Drosophila melanogaster*. Aging. 11(13): 4611.

Lee SH, Lee HY, Yu M, Yoon A, **Lee JH**, & Min KJ. (2019) Extension of *Drosophila* lifespan by Korean Red Ginseng through a mechanism dependent of sir2 and insulin/IGF-1 signaling. Aging. 11(21): 9369.

Lee SH, **Lee JH**, Lee HY, & Min KJ. (2019) Sirtuin signaling in cellular senescence and aging. BMB reports. 52(1): 24-34.