

Curriculum Vitae

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Educational Background

2025.02 – present Master's program, Incheon National University, Division of Life Sciences

20.03 – 2025. 02 Incheon National University (Incheon, Republic of Korea)

Major: Division of Life Science

Bachelor of Life Science

GPA: 4.12/4.5

- Received 1/3-tuition scholarship for academic excellence (2023.09)
- Received half-tuition scholarship for academic excellence (2024.03)
- Received half-tuition scholarship for academic excellence (2024. 09)
- Received scholarship for perfect score (2024. 09)

Career

2025.03 - present **Master's program**, Incheon National University, Division of Life Sciences

2024.06 - present **Research assistant**, protein engineering lab, Incheon National University, Division of Life Sciences

Honors and Awards

2025. 02 표창상, Incheon National University College of Life Science & Bioengineering

2024. 10 Best Poster Award, 16th International Symposium on Natural Sciences

1. Park JH*, Lee YH*, Lee KS, Lee YJ, Yoon JH, So B, Kim D, **Kim M**, Kwon HW, Byun Y, Lee KY†, Park JT† (Aug 22, 2025) ϵ -Viniferin Rejuvenates Senescence via RGS16 Regulation: In Vitro Evidence. (*: co-first author, †: co-corresponding author) **Pharmaceutics** 18(9): 1254
2. Lee YJ*, Song ES*, Lee YH, Lee KS, So B, Park JH, Yoon JH, Kim D, **Kim M**, Kwon HW, Byun Y†, Lee KY†, Park JT† (Jun 02, 2025) Dehydroacteoside rejuvenates senescence via TVP23C-CDRT4 regulation. (*: co-first author, †: co-corresponding author) **Experimental Gerontology** 207: 112800
3. Park JH*, Jeong EY*, Kim YH*, Cha SY, Kim HY, Nam YK, Park JS, Kim SY, Lee YJ, Yoon JH, So B, Kim D, **Kim M**, Byun Y, Lee YH†, Shin SS†, Park JT† (Apr 23, 2025) Epigallocatechin gallate in *Camellia sinensis* ameliorates skin aging by reducing mitochondrial ROS production. (*: co-first author, †: co-corresponding author) **Pharmaceutics** 18(5): 612
4. Lee YH*, Lim H*, Kim G, Jang G, Kuk MU, Park JH, Yoon JH, Lee YJ, Kim D, So B, **Kim M**, Kwon HW, Byun Y†, Park JT† (Apr 16, 2025) Elucidating the role and mechanism of alpha-enolase in senescent amelioration via metabolic reprogramming. (*: co-first author, †: co-corresponding author) **Cell proliferation** 2025; 0:e70049
5. So B*, Park JH*, **Kim M**, Lee H, Yoon JH, Lee YJ, Kim D, Kwon HW, Park J, Han T, Lee YH†, Park JT† (Apr 03, 2025) Rapid and Accurate Genotoxicity Assessment Using the Neutral Comet Assay in *Cyprinus carpio* Cells. (*: co-first author, †: co-corresponding author) **Life** 15(4): 603
6. Kuk MU*, Lee YH*, Kim D*, Lee KS, Park JH, Yoon JH, Lee YJ, So B, **Kim M**, Kwon HW, Lee KY†, Byun Y†, Park JT† (Feb 20, 2025) Sauchinone ameliorates senescence through reducing mitochondrial ROS production. (*: co-first author, †: co-corresponding author) **Antioxidants** 14(3): 259
7. Kuk MU*, Kim D*, Lee YH, Yoon JH, Park JH, Lee YJ, So B, **Kim M**, Kwon HW, Byun Y†, Park JT† (Nov 28, 2024) Synergistic ROS Reduction Through the Co-Inhibition of BRAF and p38 MAPK Ameliorates Senescence. (*: co-first author, †: co-corresponding author) **Antioxidants** 13(12): 1465
8. Kuk MU, So MK, Park JH, Yoon JH, Lee YJ, Kim D, So B, Lee YH, **Kim M**, Byun Y, Kwon HW†, Park JT† (Oct 03, 2024) ROSA26 BAC-based System Enables Continuous High-yield Protein Production. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 29:1025–1033

9. Lee YH*, Kuk MU*, Park JH*, Lee H, Lee H, So MK, Yoon JH, Lee YJ, Kim D, So B, **Kim M**, Park J, Han T†, Park JT† (Sep 05, 2024) Rapid and accurate ecotoxicological assessment of heavy metals using *Cyprinus carpio* cells (*: co-first author, †: co-corresponding author) **Life** 14(9): 1119
10. Lee YH*, So BH*, Lee KS, Kuk MU, Park JH, Yoon JH, Lee YJ, Kim D, **Kim M**, Kwon HW, Byun Y†, Lee KY†, Park JT† (Sep 04, 2024) Identification of cellular isoschaftoside-mediated anti-senescence mechanism in RAC2 and LINC00294 (*: co-first author, †: co-corresponding author) **Molecules** 29(17): 4182

Patents (Registration)

Patents (Application)

1. **김민선**, 박지호, 소병현, 이윤행, 이호준, 박지혜, 한태준, 박준태 (Jul 25, 2025), 버들붕어 세포를 이용한 독성물질의 유전독성 평가방법, 10-2025-0101173 (출원)
2. 소병현, 박지호, **김민선**, 이윤행, 이호준, 박지혜, 한태준, 박준태 (Jul 25, 2025), 민물고기 세포를 이용한 독성물질의 유전독성 평가방법, 10-2025-0101172 (출원)

Poster Presentation

1. **Kim M**, Park JT (2025) THE ANTIOXIDANT EFFECT OF FORMONONETIN IN ALLEVIATING SKIN AGING THROUGH MITOCHONDRIAL RESTORATION, 제 31 차 아시아·오세아니아 생화학분자생물학회 (FAOBMB 2025), May 20 ~ May 23, 2025, 생화학분자생물학회
2. **Kim M**, Park JT (2024) Ecotoxicity assessment in *Macropodus opercularis* using EC50 and comet assay. 16th International Symposium on Natural Sciences, Oct 10 ~ Oct 11, 2024, Research Institute of Basic Sciences,