

Curriculum Vitae

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직위: 대학원생 (석사과정)

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Education

2026. 02. Incheon National University, Department of Biological Sciences / Life Sciences,
2024. 02. 26 Chonnam National University, Biomedical Engineering
2019. 12. 28 인천대건고등학교 컴퓨터공학 중점반

Career

03/2024 – 06/2024 Teaching experiment classes at Incheon National University
03/2024 – 02/2026 석사과정, Incheon National University, Department of Life Science, Protein Engineering Lab
12/2022 – 06/2023 학부연구생, 전남대학교 의공학과, ANTIVIRUS ENGINEERING LAB

Honors and Awards

02/2025 인천대학교 연구소 학생연구단 지원사업, Incheon National University, Incheon, Korea

Publication (1st author)

1. Kuk MU*, Lee YH*, **Kim D***, Lee KS, Park JH, Yoon JH, Lee YJ, So B, Kim MS, 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
2. Kuk MU*, **Kim D***, Lee YH, Yoon JH, Park JH, Lee YJ, So B, Kim MS, 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

Publication (Co-author)

1. Lee YH*, Jeong EY*, Kim YH*, Oh S*. Yoon JH, Park JH, Lee YJ, **Kim D**, So B, Kim M, Kim SY, Kwon HW, Byun Y, Shin SS†, Park JT† (Jan 15, 2026) Liquid Extract from the bark of *Magnolia officinalis* Rejuvenates Skin Aging Through Mitochondrial ROS Reduction. (*: co-first author, †: co-corresponding author) **Cosmetics** 13: 22

2. Kim M*, Park JH*, So B, Lee H, Yoon JH, Lee YJ, **Kim D**, Kwon HW, Park J, Han T, Oh S†, Lee YH†, Park JT† (Oct 29, 2025) Rapid ecotoxicity and genotoxicity assessment using *Macropodus ocellatus* cells. (*: co-first author, †: co-corresponding author) **Toxicological Research** DOI: 10.1007/s43188-025-00325-9
3. 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. (*: co-first author, †: co-corresponding author) **Pharmaceutics** 18(9): 1254
4. 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
5. 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
6. 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** DOI: 10.1111/cpr.70049
7. So B*, Park JH*, Kim MS, 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
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 BH, Kim MS, Park J, Han T†, Park JT† (Sep 03, 2024) Rapid and accurate ecotoxicological assessment of heavy metals using *Cyprinus carpio* cells. (*: these authors contributed equally to this work, †: co-corresponding author) **Life** (2024 IF: 3.2) 14(9): 1119
10. Lee YH†, So BH†, Lee KS, Kuk MU, Park JH, Yoon JH, Lee YJ, **Kim D**, Kim MS, Kwon HW, Lee KY*, Byun Y*, Park JT* (Sep 02, 2024) Identification of cellular anti-senescence mechanism: regulatory of *RAC2* and *LINC00294* mediated by isoschaftoside. (†: these authors contributed equally to this work, *: co-corresponding author) **Molecules** (2024 IF: 4.2) 29(17): 4182
11. Song ES, Lee YH, So MK, Kuk MU, Park J, Yoon JH, Lee YJ, **Kim D**, So B, Byun Y, Kwon HW†, Park JT† (Apr 24, 2024) Establishment of a new promoter trapping vector using 2A peptide. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 29(3):520–528

Korean Patent (Filling)

1. 김두열, 권형욱, 변영주, 이기용, 박준태 (Nov 12, 2025), 마니코시드 B 를 유효성분으로 포함하는 항노화 조성물, 10-2025-0170558 (출원)
2. 윤지희, 김두열, 김예향, 정은영, 변영주, 신송석, 박준태 (Sep 30, 2025), 레스베라트롤 유도체를 함유하는 세포 회복용 또는 피부 활력 개선용 화장품 조성물, 10-2025-0141868 (출원)
3. 국명욱, 김두열, 이윤행, 변영주, 박준태 (Feb 27, 2025), BRAF 억제제 및 p38 MAPK 억제제를 유효성분으로 포함하는 항노화 조성물, 10-2025-0025992 (출원) (B 등급)
4. 국명욱, 김두열, 권형욱, 변영주, 이기용, 박준태 (Apr 30, 2024), 사우치논을 유효성분으로 포함하는 항노화 조성물, 10-2024-0058049 (출원)

POSTER PRESENTATION

1. **Kim D, Park JT** (2025) Vanicoside B treatment for recovery of cellular aging through reduction of ROS, 제 31 차 아시아 · 오세아니아 생화학분자생물학회 (FAOBMB 2025), May 20 ~ May 23, 2025, 생화학분자생물학회
2. **Kim D, Park JT** (2024) Synergistic effect of p38 MAPK and BRAF inhibitor at senescence amelioration(Synergy effect of SB590885 and SB203580), 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University

3. **Kim D, Park JT** (2024) Synergistic effect of p38 MAPK and BRAF inhibitor at senescence amelioration (Synergy effect of SB590885 and SB203580), International Conference 2024, May 28 ~ May 31, 2024,
생화학분자생물학회