Curriculum Vitae

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Education

2024. 02. 16	Incheon National University, Department of Biological Sciences / Life Sciences,
2024. 02. 26	Chonnam National University, Biomedical Engineering

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 ENGNEERING 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. 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

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** DOI: 10.1111/cpr.70049
5. 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
6. 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
7. 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
8. 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
9. 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. 국명욱, **김두열**, 이윤행, 변영주, 박준태 (Feb 27, 2025), BRAF 억제제 및 p38 MAPK 억제제를 유효성분으로 포함하는 항노화 조성물, 10-2025-0025992 (출원) (B 등급)
2. 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