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NAME	POSITION TITLE
Joontae Park (박준태) E-mail: joontae.park@inu.ac.kr +82-010-2239-2811(Cell)	**Associate Professor, Division of Life Sciences, Incheon National University, Incheon, Korea**

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Johns Hopkins University School of Medicine, Baltimore, Maryland (Advisor: Steven Leach MD)	PostDoc	2009-2013	Institute of Genetic Medicine
Johns Hopkins University School of Medicine, Baltimore, Maryland (Thesis advisor: Ie-Ming Shih MD PhD)	Ph.D	2004-2009	Pathobiology
Seoul National University, Seoul, Korea	M.S.	2001-2003	Biological Science
Seoul National University, Seoul, Korea	B.S.	1994-2001	Biology education

RESEARCH AND PROFESSIONAL EXPERIENCE:

9/2017 – present Assistant/Associate Professor, Division of Life Sciences, Incheon National University
9/2024 – 8/2025 Visiting Professor, UT Health San Antonio
1/2016 – 8/2017 Principal Scientist, Drug Substance Team, Samsung Bioepis, Korea
10/2013 – 12/2015 Research Staff Member, Well Aging Center, Samsung Advanced Institute of Technology, Samsung Electronics, Korea
4/2008 – 9/2013 Postdoctoral fellow, Institute of Genetic Medicine, Johns Hopkins University School of Medicine
3/2003 - 7/2004 Research Assistant, School of Biological Sciences, Seoul National University, Seoul, Korea
3/1995 - 5/1997 R.O.K. Army, Korea (Military Service)

Honors and Awards:

Aug 19/2024 **Best Lecture Award** (최우수강의상 Undergraduate), 1st semester 2024, Incheon National University
Feb 24/2024 **Excellent Lecture Award** (우수강의상 Undergraduate), 2nd semester 2023, Incheon National University
Aug 25/2023 **Excellent Lecture Award** (우수강의상 Undergraduate), 1st semester 2023, Incheon National University
Feb 24/2023 **Excellent Lecture Award** (우수강의상 Undergraduate), 2nd semester 2022, Incheon National University
Feb 06/2023 **Excellent Lecture Award** (우수강의상 Graduate), 2nd semester 2022, Incheon National University
Aug 30/2022 **Best Lecture Award** (최우수강의상 Undergraduate), 1st semester 2022, Incheon National University
Sep 07/2021 **Excellent Lecture Award** (우수강의상 Undergraduate), 1st semester 2021, Incheon National University
4/2008 **Pathology young investigator award (1st rank, Excellence in basic research),** Dept. of Pathology, Johns Hopkins, School of Medicine
2/2001 **Seoul National University Alumni Award** (서울대학교 총동창회장상), Seoul National University, Seoul, Korea

PROFESSIONAL SERVICE:

4/2019 – present 인천광역시 투자유치위원회 자문위원
1/2021 – 12/2021 생화학분자생물학회 소식지편집위원회 편집위원

기술이전:

1. 세포 노화 및 대사 기능 회복 효능을 갖는 후박나무 유래 역노화 조성물 (10-2024-0142926)외 4 건 (현대바이오랜드), (선급기술료: 천만원, 경상기술료: 연 매출액의 1%)

PUBLICATIONS:

1. **Yoon JH**[*], **Lee YH**[*], **Oh S**[*], Lee KS, Park JH, Lee YJ, So B, Kim D, Kim M, Kwon HW, **Byun Y**[†], **Lee KY**[†], **Park JT**[†] (Jan 21, 2026) Vitisin B rejuvenates senescence via *WBP2NL* regulation. ([*]: co-first author, [†]: co-corresponding author) **Mechanisms of Ageing and Development** 230: 112159
2. **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
3. **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
4. Shannonhouse J, Son H, Zhang Y, Kim E, Han D, Gomez R, **Park JT**, and Kim YS (Aug 1, 2025) In Vivo Calcium Imaging of Neuronal Ensembles in Networks of Primary Sensory Neurons in Intact Trigeminal Ganglia. **J Vis Exp** 222: e68284
5. Shannonhouse J, Zhang Y, Son H, Kim E, Han D, **Park JT**, Kim YS (Aug 14, 2025) Lessons from the use of in vivo cellular calcium imaging in primary sensory neurons and spinal cord. **Neuroscientist** 31(6): 591-610
6. **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 24, 2025) ε-Viniferin Rejuvenates Senescence via RGS16 Regulation: In Vitro Evidence. ([*]: co-first author, [†]: co-corresponding author) **Pharmaceutics** 18(9): 1254
7. Kim E, Son H, Zhang Y, Shannonhouse J, Gomez R, Han D, **Park JT**, Kim ST, Amarista Fe, Perez D, Ellis E, and Kim YS (May 31, 2025) BoNT injection in TMJ alleviates TMD pain in FMO-induced TMD mouse model. **Journal of Neuroscience** 45(41): e2035242025
8. Zhang Y, Shannonhouse J, Son H, **Park JT**, Kim YS (May 31, 2025) Regulatory Action of Calcium and Calcium Channels in Pain Pathways. **Int J Biol Sci** 21(8): 3726-3739
9. **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
10. **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
11. **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** 58(10): e70049
12. **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
13. **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
14. **Lee YH**, Jeong EY, Kim YH, Park JH, Yoon GH, Lee YJ, Lee SH, Nam YK, Cha SY, Park JS, Kim SY, Byun Y[†], Shin SS[†], **Park JT**[†] (Feb 17, 2025) Identification of senescence rejuvenation mechanism of *Magnolia officinalis* extract including honokiol as a core ingredient. ([†]: co-corresponding author) **Aging** 17(2): 497–523
15. **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 2024 Impact Factor: 6.6 JCR 11.1%
16. **Kuk MU**, So MK, Park JH, Yoon JH, Lee YJ, Kim D, So B, Lee YH, Kim MS, 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

17. **Yoon JH**[*], Kim YH[*], Jeong EY[‡], Lee YH[‡], Byun Y, Shin SS[†], **Park JT**[†] (Sep 14, 2024) Senescence Rejuvenation through Reduction in Mitochondrial Reactive Oxygen Species Generation by *Polygonum cuspidatum* Extract: In Vitro Evidence. ([*]: co-first author, [‡]: co-second author, [†]: co-corresponding author) **Antioxidants** 13(9): 1110
18. **Lee YH**[*], **Kuk MU**[*], **Park JH**[*], Lee H, Lee H, So MK, Yoon JH, Lee YJ, Kim D, So B, Kim MS, 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
19. **Lee YH**[*], **So BH**[*], Lee KS, Kuk MU, Park JH, Yoon JH, Lee YJ, Kim D, Kim MS, 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
20. **Song ES**, Lee YH, So MK, Kuk MU, Park JH, 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
21. Lim JS, Jeon EJ, Go HS, Kim H, Kim KY, Nguyen T, Lee DY, Kim KS, Pietrocola F, Hong SH, Lee SE, Kim K, Park TS, Choi D, Jeong Y, Park Jong, Kim HS, Min J, Kim YS, **Park JT**, Cho J, Lee G, Lee JH, Choy HE, Park SC, Lee C, Rhee JH, Serrano M, Cho KA (Jan 02, 2024) Mucosal TLR5 activation controls healthspan and longevity. **Nature Communications** 15(1):46.
22. **Lee YH**, Kuk MU, So MK, Park HJ, Song ES, Park JH, Yoon JH, Kwon HW[†], Choi J[†], **Park JT**[†] (Jan 01, 2024) *Polyporus ulleungus* mycelia cultured in MEB medium produce metabolites with anticancer property. ([†]: co-corresponding author) **Journal of Cancer** 15(2):309-316
23. **Song ES**, So MK, Park HJ, Lee H, Lee YH, Kuk MU, Park JH, Kwon HW, Choi J[†], **Park JT**[†] (Jul 09, 2023) Chemical screening identifies the anticancer properties of *Polyporous tuberaster*. ([†]: co-corresponding author) **Journal of Cancer** 14(11): 2075-2084
24. **Lee YH***, **Kuk MU***, So MK, Song ES, Lee H, Ahn S, Kwon HW[†], **Park JT**[†], Park SC[†] (Apr 15, 2023) Targeting Mitochondrial Oxidative Stress as a Strategy to Treat Aging and Age-Related Diseases. (*: co-first author, [†]: co-corresponding author) **Antioxidants** 12:934
25. **Lee H**, Song ES, Lee YH, Park JY, Kuk MU, Kwon HW, Roh H[†], **Park JT**[†] (Apr 02, 2023) A novel hybrid promoter capable of continuously producing proteins in high yield. ([†]: co-corresponding author) **Biochemical and Biophysical Research Communications** 650: 103-108
26. **Kuk MU**, Lee H, Song ES, Lee YH, Park JY, Jeong S, Kwon HW, Byun Y[†], Park SC[†], **Park JT**[†] (Mar 01, 2023) Functional restoration of lysosomes and mitochondria through modulation of AKT activity ameliorates senescence. ([†]: co-corresponding author) **Experimental Gerontology** 173:112091
27. **Lee YH**, Kim M, Park HJ, Park JY, Song ES, Lee H, Ko G, Ahn S, Kwon HW, Byun Y, Kim C[†], Choi J[†], **Park JT**[†] (Jan 01, 2023) Chemical screening identifies the anticancer properties of *Polyporous parvovarius*. ([†]: co-corresponding author) **Journal of Cancer** 14(1):50-60
28. **Park JY**, Lee H, Song ES, Lee YH, Kuk MU, Ko G, Byun YJ[†], Kwon HW[†], **Park JT**[†] (Dec 31, 2022) Improvement of Tol2 transposon system by modification of Tol2 transposase. ([†]: co-corresponding author) **Biotechnology and Bioprocess Engineering** 27(6): 987-994
29. Choi S, Lee H, Lee M, **Park JT**, Heynderickx PM, Wu D, Depuydt S, Asselman J, Janssen C, Häder DP, Han T, Park J (Nov 05, 2022) A Ten-Minute Bioassay to Test Metal Toxicity with the Freshwater Flagellate *Euglena agilis*. **Biology** 11(11):1618
30. **Kuk MU***, Ga YJ*, Kim YJ, Park JY, Song ES, Lee H, Lee YH, Ko G, Kim JK, Yeh JY, Kwon HW[†], Byun YJ[†], **Park JT**[†] (Nov 03, 2022) Metabolic reprogramming as a novel therapeutic target for Coxsackievirus B3. (*: co-first author, [†]: co-corresponding author) **Animal Cells and Systems** 26(6) 275–28
31. **Park JY**, Lee H, Song ES, Lee YH, Kuk MU, Ko G, Kwon HW[†], Byun YJ[†], **Park JT**[†] (Dec 01, 2022) Restoration of lysosomal and mitochondrial function through p38 MAPK inhibition ameliorates senescence. ([†]: co-corresponding author) **Rejuvenation Research** 25(6):291-299
32. Yang EJ, Park JH, Cho HJ, Hwang J, Woo S, Park CH, Kim SY, **Park JT**, Park SC, Hwang D, Lee Y (Jul 14, 2022) Co-inhibition of ATM and ROCK synergistically improves cell proliferation in replicative senescence by activating FOXM1 and E2F1. **Commun Biol.** 2022 5(1):702
33. **Lee YH**, Park JY, Song ES, Lee H, Kuk MU, Joo JH, Roh H[†], **Park JT**[†] (Jun 25, 2022) Improvement of Sleeping Beauty transposon system enabling efficient and stable protein production. ([†]: co-corresponding author) **Biotechnology and Bioprocess Engineering** 27(3): 353-360

34. **Kuk MU**, Park JY, Song ES, Lee H, Lee YH, Joo JH, Kwon HW†, **Park JT**† (May 24, 2022) Bacterial artificial chromosome-based protein expression platform using the Tol2 transposon system. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 27(3): 344-352
35. **Park JT**, Oh S (Mar 03, 2022) The translational landscape as regulated by the RNA helicase DDX3. **BMB Reports** 55(3): 125-135
36. **Lee YH**, Choi D, Jang G, Park JY, Song ES, Lee H, Kuk MU, Joo JH, Ahn SK, Byun Y†, **Park JT**† (Jan 30, 2022) Targeting regulation of ATP synthase 5 alpha/beta dimerization alleviates senescence. (†: co-corresponding author) **Aging** 14(2):678-707
37. **Kuk MU**, Lee YH, Kim JW, Hwang SY, Park JY, Song ES, Kwon HW†, Oh S†, **Park JT**† (Dec 31, 2021) Rapid and Efficient BAC Recombineering: Gain & Loss Screening System. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 26(6): 1023-1033
38. **Lee YH**, Park JY, Lee H, Song ES, Kuk MU, Joo JH, Oh S, Kwon HW†, **Park JT**†**,** Park SC† (Nov 03, 2021) Targeting mitochondrial metabolism as a strategy to treat senescence (†: co-corresponding author) **Cells** 10(11): 3003
39. **Kim JW**, Lee YH, Kuk MU, Hwang SY, Kwon HW†, **Park JT**† (Oct 31, 2021) Cre/Lox-based RMCE for site-specific integration in CHO cells. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 26(5): 795-803
40. **Hwang SY**, Lee YH, Kuk MU, Kim JW, Oh S, **Park JT** (Oct 31, 2021) Improvement of Tol2 transposon system enabling efficient protein production in CHO cells. **Biotechnology and Bioprocess Engineering** 26(5): 767-775
41. Lee HJ, Stephen Depuydt, Shin KS, Choi SY, Kim GH, Lee YH, **Park JT**, Han TJ, Park JH (Jul 02, 2021), Assessment of various toxicity endpoints in duckweed (Lemna minor) at the physiological, biochemical, and molecular levels as a measure of diuron stress. **Biology** 10(7):684
42. Park JH, Ryu SJ, Kim BJ, Cho HJ, Park CH, Choi HJC, Jang EJ, Yang EJ, Hwang JA, Woo SH, Lee JH, Park JH, Choi KM, Kwon YY, Lee CK, **Park JT**, Cho SC, Lee YI, Lee SB, Han JA, Cho KA, Kim MS, Hwang D, Lee YS, Park SC (Jun 29, 2021) Disruption of nucleocytoplasmic trafficking as a cellular senescence driver. **Experimental & Molecular Medicine** 53:1092-1108
43. **Kuk MU**, Lee YH, Kim JW, Hwang SY, **Park JT**†**,** Park SC† (Feb 17, 2021) Potential Treatment of Lysosomal Storage Disease Through Modulation of the Mitochondrial–Lysosomal Axis. **(**†: co-corresponding author**) Cells** 10(2): 420
44. Song N, Jeong DY, Tu TH, Park BS, Yang HR, Kim YJ, Kim JK, **Park JT**, Yeh JY, Yang S, Kim JG (Feb 04, 2021) Adiponectin Controls Nutrient Availability in Hypothalamic Astrocytes. **Int J Mol Sci.** 22(4):1587
45. Park JH, Lee HJ, Choi SY, Pandey LK, Depuydt S, Saeger JD, **Park JT**, Han TJ (Jan 04, 2021) Extracts of red seaweed, Pyropia yezoensis, inhibit melanogenesis but stimulate collagen synthesis. **Journal of Applied Phycology** 33:653–662
46. **Hwang SY**, Kuk MU, Kim JW, Lee YH, Lee YS, Choy HE, Park SC, **Park JT** (Nov 01, 2020) ATM mediated-p53 signaling pathway forms a novel axis for senescence control. **Mitochondrion** 55:54-63
47. Lim JS, Lee DY, Kim HS, Park SC, **Park JT**, Kim HS, Oh WK, Cho KA (Dec 01, 2020) Identification of a novel senomorphic agent, avenanthramide C, via the suppression of the senescence-associated secretory phenotype. **Mech Ageing Dev.** 192:111355
48. Cho HJ, Yang EJ, **Park JT**, Kim JR, Kim EC, Jung KJ, Park SC, Lee YS (May 07, 2020) Identification of SYK inhibitor, R406 as a novel senolytic agent. **Aging** 12(9):8221-8240
49. **Kim JW***, Kuk MU*, Choi HE, Park SC†, **Park JT**† (Oct 15, 2019) Mitochondrial metabolic reprograming via BRAF inhibition ameliorates senescence. **(***: co-first author, †: co-corresponding author**) Experimental Gerontology** 126: 110691
50. Oh S, **Park JT** (May 10, 2019) Zebrafish model of KRAS-initiated pancreatic endocrine tumor. **Animal Cells and Systems**. 23(3):209-218
51. **Kuk MU***, **Kim JW*,** Lee YS, Cho KA, **Park JT**†**,** Park SC† (Mar 31, 2019) Alleviation of senescence via ATM inhibition in accelerated aging models. **(***: co-first author, †: co-corresponding author**) Molecules and Cells** 42(3):210-217
52. Kang SU, **Park JT** (Feb 01, 2019) Functional evaluation of alternative splicing in the FAM190A gene. **Genes & Genomics** 41(2):193-199
53. **Park JT**, Lee YS, Park SC (Nov 25, 2018) Quantification of Autophagy During Senescence. **Methods Mol Biol**. 1896:149-157

54. **Park JT**, Leach SD (Oct 08, 2018) Zebrafish model of KRAS-initiated pancreatic cancer. **Animal Cells and Systems** 22(6): 353–359
55. **Park JT**, Lee YS, Cho KA, Park SC (Nov 01, 2018) Adjustment of the lysosomal-mitochondrial axis for control of cellular senescence. **Ageing Research Reviews** 47:176-182
56. **Park JT**, Kang HT, Park CH, Lee YS, Cho KA, Park SC (Jun 01, 2018) A crucial role of ROCK for alleviation of senescence-associated phenotype. **Experimental Gerontology** 106:8-15
57. Kang HT*, **Park JT***†, Choi K*, Choi HJ, Jung CW, Lee YS†, ParkSC† (Mar 27, 2017). Chemical screening identifies ATM as a target for alleviating senescence **(As co-first and co-corresponding author) Nature Chemical Biology** 13:616-623.
58. Kang HT*, **Park JT***†, Choi K, Choi HJ, Jung CW, Kim GR, Lee YS†, ParkSC† (Jun 01, 2017). Chemical screening identifies ROCK as a target for recovering mitochondrial function in Hutchinson-Gilford progeria syndrome **(As co-first and co-corresponding author) Aging Cell** 16(3):541-550.
59. Jung JG, Shih IM, **Park JT**, Gerry E, Kim TH, Ayhan A, Handschuh K, Davidson B, Nickles Fader A, Selleri L, Wang TL (Nov 01, 2016). Ovarian cancer chemoresistance relies on the stem cell reprogramming factor PBX1. **Cancer Res.** 76(21):6351-6361.
60. **Park JT,** Johnson N, Liu S, Levesque M, Wang YJ, Ho H, Huso D, Maitra A, Parsons MJ, Prescott JD, Leach SD (May 21, 2015). Differential in vivo tumorigenicity of diverse KRAS mutations in vertebrate pancreas: A comprehensive survey. **Oncogene** 34(21): 2801–2806.
61. Kim MS, Jo S, **Park JT**, Shin HY, Kim SS, Gurel O, Park SC (Aug 31, 2015). Method To Purify and Analyze Heterogeneous Senescent Cell Populations Using a Microfluidic Filter with Uniform Fluidic Profile. **Anal Chem**. 87(19):9584-8.
62. Wang YJ, **Park JT**, Parsons MJ, Leach SD (Jun 01, 2015). Fate mapping of ptf1a-expressing cells during pancreatic organogenesis and regeneration in zebrafish. **Dev Dyn**. 244(6):724-35
63. **Park JT**, Leach SD. (Dec 31, 2013) TAILOR (Transgene Activation and Inactivation with LOx and Rox). **PLOS ONE** 8(12): e85218
64. Pashos E, **Park JT**, Leach S, Fisher S (Sep 15, 2013). Distinct enhancers of ptf1a mediate specification and expansion of ventral pancreas in zebrafish. **Dev Biol.** 381(2):471-481
65. Choi SM, Kim Y, Shim JS, **Park JT**, Wang RH, Leach SD, Liu JO, Deng CX, Ye Z, Jang YY (Jun 01, 2013). Efficient drug screening and gene correction for treating liver disease using patient-specific stem cells. **Hepatology**. 57(6): 2458-2468
66. **Park JT**, Chen X, Trope CG, Davidson B, Shih IeM, Wang TL (Sep 01, 2010). Notch3 Overexpression Is Related to the Recurrence of Ovarian Cancer and Confers Resistance to Carboplatin. **Am J Pathol.** 177(3):1087-94
67. **Park JT**, Shih IeM, Wang TL (Nov 01, 2008). Identification of Pbx1, a potential oncogene, as a Notch3 target gene in ovarian cancer. **Cancer Res** 68(21): 8852-8860
68. Choi JH, **Park JT**, Davidson B, Morin PJ, Shih IeM, Wang TL (Jul 15, 2008). Jagged-1 and Notch3 juxtacrine loop regulates ovarian tumor growth and adhesion. **Cancer Res**. 68(14):5716-23.
69. **Park JT**, Ahn TI (Jun 01, 2006). A Novel Ubiquitin-Like Protein Gene Expression During the Cyst Maturation in *Acanthamoeba castellanii*. **Korean Journal of Genetics** 29(2): 219-227.
70. **Park JT**, Li M, Nakayama K, Mao TL, Davidson B, Zhang Z, Kurman RJ, Eberhart CG, Shih IeM, Wang TL (Jun 15, 2006). Notch3 gene amplification in ovarian cancer. **Cancer Res.** 66(12):6312-8
71. Choi KS, **Park JT**, Dumler JS (Dec 01, 2005) Anaplasma phagocytophilum delay of neutrophil apoptosis through the p38 mitogen-activated protein kinase signal pathway. **Infect Immun.**73(12):8209-18.
72. **Park JT**, Jung YE, Ahn TI (Dec 01, 2002) Changes in profiles of major proteins in encysting Acanthamoeba castellanii **Korean J. Biol. Sci.** 6: 341-347

International Patent (Registration):

1. **Lee YH**, Byun YJ, Choi DY, **Park JT** (Sep 30, 2025), PHARMACEUTICAL COMPOSITION FOR TREATING OR PREVENTING AGING OR AGE-RELATED DISEASES, **US12427143B2** (등록)
2. **Park JT**, Lee KJ, Lim JS, Lim HT, Heo YJ, Lee JS, Min HS (Nov 05, 2020), Process for reducing undesirable by-product in cell culture, AU2017349343B2 (등록)
3. Choi K, **Park JT**, Kang HT (Apr 24, 2018), Composition for reducing senescence of cell or subject comprising smurf2 inhibitor and use thereof, **US9951336B2** (등록)
4. **Park JT**, Kang HT, Jung CW, Choi K, Park SC, Choi HJ (Apr 17, 2018), COMPOSITION FOR REDUCING CELL SENESCENCE COMPRISING RHO-KINASE INHIBITOR AND USE THEREOF, **US9943525B2** (등록)

5. Jung CW, **Park JT**, Kang HT, Park SC, Choi HJ, Choi K (Sep 26, 2017), COMPOSITION INCLUDING ATM INHIBITOR FOR REDUCING CELLULAR SENESCENCE AND USE OF THE COMPOSITION, **US9770451B2** (등록)
6. Keum JW, **Park JT**, Jung CW, Park SC, Lee YS (Sep 19, 2017), COMPOSITION FOR REDUCING SENESCENCE OF CELL OR SUBJECT INCLUDING BRAF INHIBITOR AND USE THEREOF, **US9763923B2** (등록)

Korean Patent (Registration):

1. **송은선**, 최재혁, 임영운, **박준태** (Dec 30, 2025), 항암 활성을 가지는 폴리포루스 튜버래스터 균주 배양방법, 10-2907970 (등록)
2. **이윤행**, 최재혁, 김창무, 김민경, 안초롱, 유영현, 지원재, 임영운, **박준태** (Dec 29, 2025), 항암 활성을 가지는 폴리포루스 울릉구스 균주, 10-2907192 (등록)
3. **국명욱**, 박지윤, 권형욱, 변영주, **박준태** (Dec 03, 2025), 콕사키바이러스 B3 감염 치료 또는 예방용 조성물, 10-2897391 (등록)
4. **박준태**, 이경주, 임주송, 임형택, 허윤정, 이재선, 민호성 (Nov 26, 2025) 세포 배양 배지에서 원치 않는 배양 부산물을 감소시키는 공정, 10-2893388 (등록)
5. **이윤행**, **박지윤**, 한태준, 박지혜, 이호준, **박준태** (Sep 24, 2025), 민물고기 세포의 증식 특성을 이용한 생태독성 평가방법, 10-2865566 (등록)
6. **박지윤**, **박준태** (Jun 24, 2025), 신규한 트랜스포사제 및 이를 이용한 트랜스포존 시스템, 10-2825196 (등록)
7. **이하늘**, 권형욱, 변영주, **박준태** (Dec 27, 2024), 하이브리드 프로모터, 10-2749407 (등록)
8. **이윤행**, 최재혁, 김창무, 김민경, 안초롱, 유영현, 지원재, **박준태** (Oct 16, 2024), 항암 활성을 가지는 폴리포루스 파보바리우스(Polyporus parvovarius) 균주, 10-2720148 (등록)
9. **국명욱**, **박준태** (Apr 04, 2022), 박테리아 인공 염색체 재조합 스크리닝 방법, 10-2384173 (등록)
10. **이윤행**, **박준태** (Feb 16, 2022), 개선된 슬리핑 뷰티 트랜스포존 시스템 및 이를 이용한 유전자 전위 방법, 10-2365768 (등록)
11. **황수영**, **박준태** (Feb 09, 2022), CHO 세포에 전이 유전자를 통합하기 위한 방법, 10-2362878 (등록)
12. 최고봉, **박준태**, 강현태 (Feb 03, 2022) Smurf2 의 저해제를 포함하는 세포 또는 개체의 노화를 감소시키기 위한 조성물 및 그의 용도, 10-2360028 (등록)
13. **국명욱**, **박준태** (Jan 10, 2022), Tol2 트랜스포존 시스템을 포함하는 인공 염색체 및 이를 이용한 단백질 생산 방법, 10-2350981 (등록)
14. **김재원**, **박준태** (Nov 30, 2021), Fer1L4 유전자에 부위-특이적 통합된 RMCE 랜딩 패드를 포함하는 CHO 세포, 10-2335242 (등록)
15. **박준태**, 강현태, 정철원, 최고봉, 박상철, 최효제 (Jul 06, 2021), 로-키나제 저해제를 포함하는 세포의 노화를 감소시키기 위한 조성물 및 그의 용도, 10-2276424 (등록)

International Patent (Filling):

1. **윤지희**, 국명욱, 권형욱, 변영주, 김예향, 차소윤, 김하연, 남연경, 정은영, 김소연, 박진성, 신송석, **박준태** (Feb 19, 2025), 세포 노화 및 대사 기능 회복 효능을 갖는 호장근 유래 역노화 조성물, PCT/KR2025/099451 (출원)
2. **이윤행**, 권형욱, 임현웅, 변영주, **박준태** (Jan 10, 2025), 옥사졸 유도체를 유효성분으로 포함하는 항노화 조성물, PCT/KR2025/000594 (출원)
3. **이윤행**, 이유진, 권형욱, 변영주, 김예향, 이소헌, 차소윤, 남연경, 정은영, 김소연, 박진성, 신송석, **박준태** (Oct 18, 2024), 세포 노화 및 대사 기능 회복 효능을 갖는 후박나무 유래 역노화 조성물, PCT/KR2024/015910 (출원)
4. **이윤행**, 변영주, 권형욱, **박준태** (Aug 28, 2024), 옥사졸 유사체를 유효성분으로 포함하는 항노화 조성물, PCT/KR2024/012827 (출원)
5. **이윤행**, 변영주, 최도영, **박준태** (Jul 23, 2021), 세포노화 관련 질병의 예방 또는 치료용 약학적 조성물, PCT/KR2021/009592 (출원)

6. **국명욱**, **박준태** (Feb 19, 2021), Tol2 트랜스포존 시스템을 포함하는 인공 염색체 및 이를 이용한 단백질 생산 방법, PCT/KR2021/002138 (출원)
7. **이윤행**, **박준태** (Dec 07, 2020), 개선된 슬리핑 뷰티 트랜스포존 시스템 및 이를 이용한 유전자 전위 방법, PCT/KR2020/017709 (출원)
8. **국명욱**, **박준태** (Aug 27, 2020), 박테리아 인공 염색체 재조합 스크리닝 방법, PCT/KR2020/011464 (출원)

Korean Patent (Filling):

1. **김민선**, 권형욱, 변영주, 이기용, **박준태** (Jan 20, 2026), LOC107987118 유전자 발현 억제제를 유효성분으로 포함하는 항노화 조성물, 10-2026-0011021 (출원) (2020R1A6A1A03041954, 2019R1A6A1A03031807, HP23C0024000023)
2. **윤지희**, 김두열, 김예향, 정은영, 변영주, 신송석, **박준태** (Nov 24, 2025), 레스베라트롤 유도체를 함유하는 세포 회복용 또는 피부 활력 개선용 화장료 조성물, 10-2025-0179205 (출원)
3. **김두열**, 권형욱, 변영주, 이기용, **박준태** (Nov 12, 2025), 바니코시드 B 를 유효성분으로 포함하는 항노화 조성물, 10-2025-0170558 (출원) (B 등급)
4. **박지호**, 차소윤, 김하연, 남연경, 정은영, 김소연, 박진성, 이윤행, 권형욱, 변영주, 신송석, **박준태** (Jul 31, 2025), 세노몰픽 및 세놀리틱 효능을 갖는 하동작설 유래 역노화 조성물, 10-2025-0105474 (출원)
5. **김민선**, 박지호, 소병현, 이윤행, 이호준, 박지혜, 한태준, **박준태** (Jul 25, 2025), 버들붕어 세포를 이용한 독성물질의 유전독성 평가방법, 10-2025-0101173 (출원)
6. **소병현**, 박지호, 김민선, 이윤행, 이호준, 박지혜, 한태준, **박준태** (Jul 25, 2025), 민물고기 세포를 이용한 독성물질의 유전독성 평가방법, 10-2025-0101172 (출원)
7. **국명욱**, 김두열, 이윤행, 변영주, **박준태** (Feb 27, 2025), BRAF 억제제 및 p38 MAPK 억제제를 유효성분으로 포함하는 항노화 조성물, 10-2025-0025992 (출원) (B 등급)
8. **윤지희**, 국명욱, 권형욱, 변영주, 김예향, 차소윤, 김하연, 남연경, 정은영, 김소연, 박진성, 신송석, **박준태** (Jan 31, 2025), 세포 노화 및 대사 기능 회복 효능을 갖는 호장근 유래 역노화 조성물, 10-2025-0012464 (출원)
9. **이윤행**, 권형욱, 변영주, 임현웅, **박준태** (Dec 18, 2024), 옥사졸 유도체를 유효성분으로 포함하는 항노화 조성물, 10-2024-0190507 (출원) (A 등급)
10. **소문경**, 이윤행, 권형욱, **박준태** (Aug 16, 2024), 펩톤 및 FBS 를 포함하는 CHO 세포 배양용 DMEM 배지 조성물, 10-2024-0109929 (출원) (B 등급)
11. **이윤행**, 권형욱, 변영주, 임현웅, **박준태** (Aug 16, 2024), 피라졸 유도체를 유효성분으로 포함하는 항노화 조성물, 10-2024-0109860 (출원) (A 등급)
12. **이윤행**, 이유진, 권형욱, 변영주, 김예향, 이소헌, 차소윤, 남연경, 정은영, 김소연, 박진성, 신송석, **박준태** (Jul 30, 2024), 세포 노화 및 대사 기능 회복 효능을 갖는 후박나무 유래 역노화 조성물, 10-2024-0100729 (출원)
13. **이유진**, 송은선, 권형욱, 임현웅, 변영주, **박준태** (Jun 13, 2024), 피라졸 유도체를 유효성분으로 포함하는 항노화 조성물, 10-2024-0077014 (출원) (A 등급)
14. **이유진**, 송은선, 권형욱, 변영주, 이기용, **박준태** (May 03, 2024), 디히드로악테오사이드를 유효성분으로 포함하는 항노화 조성물, 10-2024-0059125 (출원)
15. **윤지희**, 권형욱, 변영주, 이기용, **박준태** (May 02, 2024), 비티신 B 를 유효성분으로 포함하는 항노화 조성물, 10-2024-0058770 (출원)
16. **국명욱**, 김두열, 권형욱, 변영주, 이기용, **박준태** (Apr 30, 2024), 사우치논을 유효성분으로 포함하는 항노화 조성물, 10-2024-0058049 (출원)
17. **박지호**, 권형욱, 변영주, 이기용, **박준태** (Apr 30, 2024), ε-비니페린을 유효성분으로 포함하는 항노화 조성물, 10-2024-0057851 (출원)
18. **이윤행**, 소병현, 권형욱, 변영주, 이기용, **박준태** (Apr 29, 2024), 이소샤프토사이드를 유효성분으로 포함하는 항노화 조성물, 10-2024-0056806 (출원)
19. **국명욱**, 변영주, 권형욱, **박준태** (Feb 16, 2024), 결손된 iMAR 유전자를 포함하는 목적 단백질 발현 카세트 및 벡터 및 이를 포함하는 형질전환 세포, 10-2024-0022827 (출원)

20. **이윤행**, 권형욱, 변영주, **박준태** (Aug 29, 2023), 옥사졸 유사체를 유효성분으로 포함하는 항노화 조성물, 10-2023-0113722 (출원)
21. **이하늘**, 변영주, **박준태** (Aug 22, 2023), 신규한 프로모터, 10-2023-0110153 (출원)
22. **국명욱**, 권형욱, **박준태** (Mar 21, 2023), ROSA26 박테리아 인공염색체 내인성 프로모터, 10-2023-0036503 (출원)
23. **송은선**, 권형욱, 변영주, **박준태** (Aug 11, 2022), RMCE 랜딩패드, 10-2022-0100663 (출원)
24. **국명욱**, 이윤행, 권형욱, 변영주, **박준태** (Jul 29, 2022), AKT 저해제를 포함하는 미토파지 활성화 방법, 10-2022-0095033 (출원)
25. **이윤행**, 변영주, 최도영, **박준태** (Feb 18, 2021), 세포노화 관련 질병의 예방 또는 치료용 약학적 조성물, 10-2021-0022067 (출원)

BOOK CHAPTER:

1. Park JT, Shih IeM, Wang TL (2009) Targeting Notch Signaling Pathway in Cancer Stem Cell. Cancer Stem Cells Cambridge University Press; 128-138

BOOK TRANSLATION:

1. 캠벨 생명과학 포커스, 4 판 (Jan 31, 2025). ㈜바이오사이언스 출판
2. 캠벨 생명과학, 12 판 (Mar 10, 2022). ㈜바이오사이언스 출판
3. 캠벨 생명과학의 이해, 2 판 (Mar 10, 2022). ㈜바이오사이언스 출판
4. 캠벨 생명과학 포커스, 3 판 (Mar 10, 2021). ㈜바이오사이언스 출판
5. 캠벨 생명과학, 11 판 (May 30, 2019). ㈜바이오사이언스 출판

창업:

1. 단백질벡터 주식회사 (창업일자: 2022.10.22., 창업아이템: 항체 발현 벡터 제작 후 기술 판매)

POSTER PRESENTATION:

1. **Park JT** (2025) 목련 액상 추출물의 미토콘드리아 ROS 감소를 통한 피부 노화 회복, 2025 년도 대한화장품학회 추계학술대회, Nov 21, 2025, 대한화장품학회
2. **Park JT** (2025) Rapid and Accurate Ecotoxicological Assessment Using Cyprinus carpio Cells, 2025 년도 한국환경생물학회 정기학술대회, October 22th ~ October 24th 2025, 한국환경생물학회
3. **Lee YH**, **Park JT** (2025) Elucidating the mechanism of improving aging through selective death of senescent cells, 17th International Symposium on Natural Sciences, October 16th ~ October 17th, 2025, Research Institute of Basic Sciences, Incheon National University
4. **Park JH**, **Park JT** (2025) ε-Viniferin Rejuvenates Senescence via RGS16 Regulation: *In Vitro* Evidence, 17th International Symposium on Natural Sciences, October 16th ~ October 17th, 2025, Research Institute of Basic Sciences, Incheon National University
5. **Yoon JH**, **Park JT** (2025) Resveratroloside Exhibits Potent Anti-senescence and Longevity Effects: A Comparative and Functional Analysis Beyond Resveratrol, 17th International Symposium on Natural Sciences, October 16th ~ October 17th, 2025, Research Institute of Basic Sciences, Incheon National University
6. **Lee YJ**, **Park JT** (2025) Mitochondrial amelioration and anti-aging effects of KB3409, 17th International Symposium on Natural Sciences, October 16th ~ October 17th, 2025, Research Institute of Basic Sciences, Incheon National University
7. **Kim D**, **Park JT** (2025) Vanicoside B treatment for recovery of cellular aging through reduction of ROS, 17th International Symposium on Natural Sciences, October 16th ~ October 17th, 2025, Research Institute of Basic Sciences, Incheon National University
8. **So B**, **Park JT** (2025) Acteoside reverses cellular senescence through senolytic activity and reductions in ROS and SASP markers, 17th International Symposium on Natural Sciences, October 16th ~ October 17th, 2025, Research Institute of Basic Sciences, Incheon National University
9. **Kim MS**, **Park JT** (2025) Clarification of formononetin's anti-aging mechanism by LOC107987118 downregulation, 17th International Symposium on Natural Sciences, October 16th ~ October 17th, 2025, Research Institute of Basic Sciences, Incheon National University

10. **Lee YH**, **Park JT** (2025) Elucidating the mechanism of improving aging through selective death of senescent cells, 제 31 차 아시아・오세아니아 생화학분자생물학회 (FAOBMB 2025), May 20 ~ May 23, 2025, 생화학분자생물학회
11. **Park J**, **Park JT** (2025) ε-Viniferin relieves oxidative stress in senescent cells through regulation of RGS16, 제 31 차 아시아・오세아니아 생화학분자생물학회 (FAOBMB 2025), May 20 ~ May 23, 2025, 생화학분자생물학회
12. **Yoon JH**, **Park JT** (2025) Cellular senescence amelioration of vitisin B: regulation of WBP2NL and its role in oxidative stress reduction, 제 31 차 아시아・오세아니아 생화학분자생물학회 (FAOBMB 2025), May 20 ~ May 23, 2025, 생화학분자생물학회
13. **Lee YJ**, **Park JT** (2025) Mitochondrial amelioration and anti-aging effects of KB3409, 제 31 차 아시아・오세아니아 생화학분자생물학회 (FAOBMB 2025), May 20 ~ May 23, 2025, 생화학분자생물학회
14. **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
15. **So B**, **Park JT** (2025) A Study on the Senolytic Mechanism of Acteoside for Anti-Aging, International Conference 2025, May 20 ~ May 23, 2025, 생화학분자생물학회
16. **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
17. **Kuk MU**, **Park JT** (2024) EXPLORING REJUVENATION EFFECTS THROUGH THE APPLICATION OF SAUCHINONE AS AN NF-KB INHIBITOR, 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University
18. **Lee YH**, **Park JT** (2024) Identifying senolytics effect of KB2779 as an anti-senescence amelioration, 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University
19. **Park JH**, **Park JT** (2024) ε-viniferin, which selectively kills cells to prevent senescence, 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University
20. **Yoon JH**, **Park JT** (2024) Identification of the anti-senescence properties mechanism of vitisin B, 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University
21. **Lee YJ**, **Park JT** (2024) Mitochondrial amelioration and anti-aging effects of a pyrazole analog(KB3409), 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University
22. **Kim DY**, **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
23. **So BH**, **Park JT** (2024) Identification of cellular anti–senescence mechanism: regulatory of RAC2 and LINC00294 mediated by isoschaftoside, 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University
24. **Kim MS**, **Park JT** (2024) Ecotoxicity assessment in Macropodus opercularis using EC50 and comet assay, 16th International Symposium on Natural Sciences, October 10th ~ October 11th, 2024, Research Institute of Basic Sciences, Incheon National University
25. **Kuk MU**, **Park JT** (2024) Mitochondrial dysfunction caused by the 3C protease of coxsackievirus B3 in HeLa cell, 2024 한국방역학회 춘계학술대회 May 30, 2024, 한국방역학회
26. **Kuk MU**, **Park JT** (2024) THE ROSA26 BAC ENDOGENOUS PROMOTER ENHANCE THE SYNTHESIS OF RECOMBINANT PROTEINS, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
27. **Kuk MU**, **Park JT** (2024) MINIMIZATION OF HUMAN BETA-INTERFERON MARS IN RECOMBINANT PROTEIN PRODUCTION SYSTEMS, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
28. **Kuk MU**, **Park JT** (2024) EXPLORING REJUVENATION EFFECTS THROUGH THE APPLICATION OF SAUCHINONE AS AN NF-KB INHIBITOR, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회

29. **Lee YH**, **Park JT** (2024) Identifying senolytics effect of KB2779 as an anti-senescence amelioration, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
30. **Park J**, **Park JT** (2024) ε-viniferin, which selectively kills cells to prevent senescence, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
31. **Yoon JH**, **Park JT** (2024) Identification of the anti-senescence properties mechanism of vitisin B, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
32. **Lee YJ**, **Park JT** (2024) Mitochondrial amelioration and anti-aging effects of KB3409, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
33. **Lee YJ**, **Park JT** (2024) Senomorphiceffect of dehydroacteosideas an anti-senescence, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
34. **Kim DY**, **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
35. **So B**, **Park JT** (2024) Identification of anti–senescence mechanism of isoshaftoside targeting Rac2 protein, International Conference 2024, May 28 ~ May 31, 2024, 생화학분자생물학회
36. **Song ES**, **Park JT** (2023) Discovery of new endogenous promoters in CHO cells through promoter trapping, 15th International Symposium on Natural Sciences, October 30th ~ October 31th, 2023, Research Institute of Basic Sciences, Incheon National University
37. **Lee YH**, **Park JT** (2023) Identification of senescence rejuvenation and metabolic reprogramming by alpha–enolase regulation. 15th International Symposium on Natural Sciences, October 30th ~ October 31th, 2023, Research Institute of Basic Sciences, INU
38. **Kuk MU**, **Park JT** (2023) The *ROSA26* BAC endogenous promoter enhances the synthesis of recombinant proteins, 15th International Symposium on Natural Sciences, October 30th~ 31th, 2023, Research Institute of Basic Sciences, INU
39. **Kuk MU**, **Park JT** (2023) Minimization of human β-interferon MARs in recombinant protein production systems, 15th International Symposium on Natural Sciences, October 30th~ 31th, 2023, Research Institute of Basic Sciences, INU
40. **Kuk MU**, **Park JT** (2023) Mitochondrial dysfunction caused by the 3C protease of coxsackievirus B3 in HeLa cell, 15th International Symposium on Natural Sciences, October 30th~ 31th, 2023, Research Institute of Basic Sciences, INU
41. **Lee YH**, Kuk MU, Park J, Ahn SK, **Park JT** (2023) Identification of senescence rejuvenation and metabolic reprogramming by alpha–enolase regulation. The 40th Spring Conference of the Korean Society for Gerontology & Korea-Japan Joint Symposium, July 13 ~ July 15, 2023, The Korean Society For Gerontology.
42. **Lee YH**, Ahn SK, **Park JT** (2023) Identification of senescence rejuvenation and metabolic reprogramming by alpha–enolase regulation. International Conference 2023, May 10 ~ May 13, 2023, 생화학분자생물학회
43. **Kuk MU**, **Park JT** (2023) The ROSA26 BAC Endogenous Promoter: A Novel Strategy for Optimizing Recombinant Protein Production Efficiency, International Conference 2023, May 10 ~ May 13, 2023, 생화학분자생물학회
44. **Kuk MU**, **Park JT** (2023) Harnessing iMARs for Enhanced Recombinant Protein Expression in Biopharmaceutical and Gene Therapy Applications, International Conference 2023, May 10 ~ May 13, 2023, 생화학분자생물학회
45. **Kuk MU**, **Park JT** (2023) Exploiting CVB3 3C Protease Mutants for Therapeutic Intervention of Coxsackievirus B3 Infection, International Conference 2023, May 10 ~ May 13, 2023, 생화학분자생물학회
46. **Song ES**, Kang KY, **Park JT** (2023) Natural substances with anticancer activity discovered in fungal extracts, International Conference 2023, May 10 ~ May 13, 2023, 생화학분자생물학회
47. **Song ES**, Kang KY, **Park JT** (2023) Increased Protein Productivity Through the Use of the RMCE (Recombinase-Mediated Cassette Exchange) System and P2A, International Conference 2023, May 10 ~ May 13, 2023, 생화학분자생물학회
48. **Lee H**, **Park JT** (2023) Discovery of new endogenous promoters in CHO cells through promoter trapping, International Conference 2023, May 10 ~ May 13, 2023, 생화학분자생물학회
49. **Lee YH**, **Park JT** (2022) Development of cell lines of freshwater fish species and evaluation of ecotoxicity, 제 18 회 대한 독성 유전·단백체 학회 국제 학술대회, Oct 25th~27th 2022, 대한독성유전·단백체학회

50. **Ko G**, **Park JT** (2022) Efficient expression of recombinant protein mammalian system using S/MAR elements. 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
51. **Song ES**, **Park JT** (2022) Natural substances with anticancer properties discovered in *Polyporus tuberaster* mycelium extract, 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
52. **Song ES**, **Park JT** (2022) Modification of recombinase-mediated cassette exchange (RMCE) system to increase protein productivity, 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
53. **Lee H**, **Park JT** (2022) Discovery of new signal peptides through gene trapping, 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
54. **Lee H**, **Park JT** (2022) Finding effective genomic hot spots through gene trapping, 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
55. **Lee H**, **Park JT** (2022) High expression level protein production through dual promoter construction, 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
56. **Park JY**, **Park JT** (2022) Improvement of Tol2 transposase system using H2B enabling efficient protein production in CHO cells, 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
57. **Park JY**, **Park JT** (2022) Restoration of lysosomal and mitochondrial function through MAPK inhibition ameliorates senescence, 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
58. **Lee YH**, Ahn SK, **Park JT** (2022) Discovery of anticancer substances in fungal extracts through high throughput screening Anticancer activities in the ethanol extracts of *Polyporus*. 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
59. **Lee YH**, Ahn SK, **Park JT** (2022) Discovery of senomorphic compounds using high-throughput screening. 14th International Symposium on Natural Sciences, October 6th ~ October 7th, 2022, Research Institute of Basic Sciences, Incheon National University
60. **Park JY**, **Park JT** (2022) Improvement of Tol2 transposase system using H2B enabling efficient protein production in CHO cells, 2022 년도 생화학분자생물학회 춘계 국제학술대회, MAY 23th~26th 2022, 생화학분자생물학회
61. **Park JY**, **Park JT** (2022) Reprogramming mitochondrial metabolism through MAPK inhibition improves aging, 2022 년도 생화학분자생물학회 춘계 국제학술대회, MAY 23th~26th 2022, 생화학분자생물학회
62. **Song ES**, **Park JT** (2022) Increased Protein Productivity Through the Use of the RMCE (Recombinase-Mediated Cassette Exchange) System and P2A, 2022 년도 생화학분자생물학회 춘계 국제학술대회, MAY 23th~26th 2022, 생화학분자생물학회
63. **Song ES**, **Park JT** (2022) Natural substances with anticancer activity discovered in fungal extracts, 2022 년도 생화학분자생물학회 춘계 국제학술대회, MAY 23th~26th 2022, 생화학분자생물학회
64. **Lee H**, **Park JT** (2022) Finding effective genomic hot spots through gene trapping, 2022 년도 생화학분자생물학회 춘계 국제학술대회, MAY 23th~26th 2022, 생화학분자생물학회
65. **Lee H**, **Park JT** (2022) The development of a new hybrid promoter capable of stable protein expression at high levels, 2022 년도 생화학분자생물학회 춘계 국제학술대회, MAY 23th~26th 2022, 생화학분자생물학회
66. **Lee YH,** Ahn SK, **Park JT** Discovery of anticancer substances in fungal extracts through high throughput screening Anticancer activities in the ethanol extracts of *Polyporus*. international Conference 2022, May 23rd ~ May 26th, 2022, KSBMB
67. **Song ES**, **Park JT** (2021) Applying the 2A system to the recombinase-mediated cassette exchange (RMCE) system to increase protein productivity, 2021 년도 한국분자·세포생물학회 추계학술대회, NOV 03th~05th 2021, 한국분자·세포생물학회
68. **JOO JH**, **Park JT** (2021) Tol2 transposase system with ELS mutation to increase protein productivity, 2021 년도 한국분자·세포생물학회 추계학술대회, NOV 03th~05th 2021, 한국분자·세포생물학회

69. **Lee H**, **Park JT** (2021) Finding Effective Genomic Hot Spots Through Gene Trapping, 2021 년도 한국분자·세포생물학회 추계학술대회, NOV 03th~05th 2021, 한국분자·세포생물학회
70. **JOO JH**, **Park JT** (2021) Tol2 transposase system with ELS mutation to increase protein productivity, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
71. **Kuk MU**, **Park JT** (2021) BAC based antibody expression platform using Tol2 transposon in CHO cells, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
72. **Kuk MU**, **Park JT** (2021) Metabolic reprogramming from oxidative phosphorylation to glycolysis is induced by Coxsackievirus B3 in Hela cells, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
73. **Kuk MU**, **Park JT** (2021) Mitochondrial metabolic reprogramming via AKT inhibition ameliorates senescence, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
74. **Kuk MU**, **Park JT** (2021) Superior secretion gene trapping in Chinese hamster ovary cell line, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
75. **Lee H**, **Park JT** (2021) Finding effective genomic hot spots through gene trapping, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
76. **Lee H**, **Park JT** (2021) Inducing a Protein with high expression level through the construction of a new hybrid promoter, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
77. **Song ES**, **Park JT** (2021) Modification of recombinase-mediated cassette exchange (RMCE) system to increase protein productivity, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
78. **Park JY**, **Park JT** (2021) Improved Tol2 transposase system with increased transposase number enabling efficient protein production in CHO cells, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
79. **Park JY**, **Park JT** (2021) Improvement of Tol2 transposase system using H2B enabling efficient protein production in CHO cells, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
80. **Lee YH**, **Park JT** (2021) Discovery of anticancer substances in fungal extracts through high throughput screening, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
81. **Lee YH**, **Park JT** (2021) Targeting regulation of ATP synthase 5 alpha/beta dimerization alleviates senescence, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
82. **Lee YH**, **Park JT** (2021) Improved productivity of Sleeping Beauty transposon in CHO cell, 13th International Symposium on Natural Sciences, October 6th 2021, Research Institute of Basic Sciences, Incheon National University
83. **Lee H**, **Park JT** (2021) Finding effective genomic hot spots through gene trapping and constructing new cell lines, 2021 년도 생화학분자생물학회 춘계 국제학술대회, MAY 25th~27th 2021, 생화학분자생물학회
84. **Song ES**, **Park JT** (2021) Modification of recombinase-mediated cassette exchange (RMCE) system to increase protein productivity, 2021 년도 생화학분자생물학회 춘계 국제학술대회, MAY 25th~27th 2021, 생화학분자생물학회
85. **Park JY**, **Park JT** (2021) Improving the ability of Tol2 transposase in CHO cells, 2021 년도 생화학분자생물학회 춘계 국제학술대회, MAY 25th~MAY 27th 2021, 생화학분자생물학회
86. **Lee YH**, **Park JT** (2021) Improved productivity of Sleeping Beauty transposon in CHO cell, 2021 년도 생화학분자생물학회 춘계 국제학술대회, MAY 25th~27th 2021, 생화학분자생물학회
87. **Lee YH**, Choi D, Byun Y, **Park JT** (2021) Chemical screening identifies the regulation of mitochondrial cristae formation as a target for alleviating senescence, 2021 년도 생화학분자생물학회 춘계 국제학술대회, MAY 25th~27th 2021, 생화학분자생물학회

88. **Lee YH**, **Park JT** (2020) Improved productivity of Sleeping Beauty transposon in CHO cell, 12th International Symposium on Natural Sciences, October 9th 2020, Research Institute of Basic Sciences, Incheon National University
89. **Hwang SY**, Kuk MU, Kim JW, **Park JT** (2020) ATM mediated-p53 signaling pathway forms a novel axis for senescence control, 12th International Symposium on Natural Sciences, October 9th 2020, Research Institute of Basic Sciences, Incheon National University
90. **Hwang SY**, Kuk MU, Kim JW, **Park JT** (2020) Improved Tol2 transposon-based system for efficient protein production, 12th International Symposium on Natural Sciences, October 9th 2020, Research Institute of Basic Sciences, Incheon National University
91. **Kim JW, Park JT** (2020) Mitochondrial metabolic reprograming via AKT inhibition ameliorates senescence, 12th International Symposium on Natural Sciences, October 9th 2020, Research Institute of Basic Sciences, Incheon National University
92. **Kim JW, Park JT** (2020) Cre-Lox based RMCE for efficient gene-of-interest exchange in CHO cells, 12th International Symposium on Natural Sciences, October 9th 2020, Research Institute of Basic Sciences, Incheon National University
93. **Kuk MU**, **Park JT** (2020) BAC based antibody expression platform using Tol2 transposon in CHO cells, 12th International Symposium on Natural Sciences, October 9th 2020, Research Institute of Basic Sciences, Incheon National University
94. **Kuk MU**, **Park JT** (2020) Metabolic reprogramming from oxidative phosphorylation to glycolysis is induced by Coxsackievirus B3 in Hela cells, 12th International Symposium on Natural Sciences, October 9th 2020, Research Institute of Basic Sciences, Incheon National University
95. **Lee YH**, **Park JT** (2020) Improved productivity of Sleeping Beauty transposon in CHO cell, 2020 년도 생화학분자생물학회 추계 국제학술대회, September 21th~23th 2020, 생화학분자생물학회
96. **Hwang SY**, Kuk MU, Kim JW, **Park JT** (2020) ATM mediated-p53 signaling pathway forms a novel axis for senescence control, 2020 년도 생화학분자생물학회 추계 국제학술대회, September 21th~23th 2020, 생화학분자생물학회
97. **Hwang SY**, Kuk MU, Kim JW, **Park JT** (2020) Improved Tol2 transposon-based system for efficient protein production, 2020 년도 생화학분자생물학회 추계 국제학술대회, September 21th~23th 2020, 생화학분자생물학회
98. **Kim JW, Park JT** (2020) Mitochondrial metabolic reprograming via AKT inhibition ameliorates senescence, 2020 년도 생화학분자생물학회 추계 국제학술대회, September 21th~23th 2020, 생화학분자생물학회
99. **Kim JW, Park JT** (2020) Cre-Lox based RMCE for efficient gene-of-interest exchange in CHO cells, 2020 년도 생화학분자생물학회 추계 국제학술대회, September 21th~23th 2020, 생화학분자생물학회
100. **Kuk MU**, **Park JT** (2020) BAC based antibody expression platform using Tol2 transposon in CHO cells, 2020 년도 생화학분자생물학회 추계 국제학술대회, September 21th~23th 2020, 생화학분자생물학회
101. **Kuk MU**, **Park JT** (2020) Metabolic reprogramming from oxidative phosphorylation to glycolysis is induced by Coxsackievirus B3 in Hela cells, 2020 년도 생화학분자생물학회 추계 국제학술대회, September 21th~23th 2020, 생화학분자생물학회
102. **Kuk MU**, **Park JT** (2019) Antibody expression platform using Tol2 transposon in CHO cells, 11th International Symposium on Natural Sciences, October 9th~11th 2019, Research Institute of Basic Sciences, Incheon National University
103. **Kuk MU**, **Park JT** (2019) BAC Recombineering Gain and Loss method enable it to finish within one week, 11th International Symposium on Natural Sciences, October 9th~11th 2019, Research Institute of Basic Sciences, Incheon National University
104. **Kim JW**, Kuk MU**, Park JT** (2019) A crucial role of B-RAF for alleviation of senescence-associated phenotypes, 11th International Symposium on Natural Sciences, October 9th~11th 2019, Research Institute of Basic Sciences, Incheon National University
105. **Kim JW, Park JT** (2019) Next Generation Vector Platform for Therapeutic Protein Production; RMCE-mediated site specific integration, 11th International Symposium on Natural Sciences, October 9th~11th 2019, Research Institute of Basic Sciences, Incheon National University
106. **Kuk MU, Park JT** (2019) Antibody expression platform using Tol2 transposon in CHO cells, 2019 년도 생화학분자생물학회 춘계 국제학술대회, June 02th~05th 2019, 생화학분자생물학회

107. **Kuk MU, Park JT** (2019) BAC Recombineering Gain and Loss method enable it to finish within one week, 2019 년도 생화학분자생물학회 춘계 국제학술대회, June 02th~05th 2019, 생화학분자생물학회
108. **Kim JW**, Kuk MU**, Park JT** (2019) A crucial role of B-RAF for alleviation of senescence-associated phenotypes, 2019 년도 생화학분자생물학회 춘계 국제학술대회, June 02th~05th 2019, 생화학분자생물학회
109. **Kim JW, Park JT** (2019) Next Generation Vector Platform for Therapeutic Protein Production; RMCE-mediated site specific integration, 2019 년도 생화학분자생물학회 춘계 국제학술대회, June 02th~05th 2019, 생화학분자생물학회
110. **Kuk MU**, **Park JT** (2018) A crucial role of B-Raf for alleviation of senescence-associated phenotype, 11th International Symposium on Natural Sciences, October 11th 2018, Research Institute of Basic Sciences, Incheon National University
111. **Park JT** (2018) A Next Generation Vector Platform for Therapeutic Protein Production; BAC-based expression and RMCE-mediated site specific integration, 2018 년도 Antibody Society Korea Summer Workshop, July 05th~07th 2018, Antibody Society Korea