

Curriculum Vitae

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학력

2023. 02. 18 인천대학교 생명과학과 이학석사(평점 4.5/4.5)

2021. 02. 16 인천대학교 분자의생명전공 이학사(평점 3.81/4.5)

경력

3/2021 – present

석사과정, 인천대학교 일반대학원 생명과학과 단백질공학실험실

9/2021 ~ 2/2021

Teaching experiment classes at Incheon National University

수상

10/2022

Best Poster Award, 14th International Symposium on Natural Sciences

5/2021

ANYGEN Best Research Award, KSBMB international Conference 2021

연구실적 <논문>

1. 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[†]** (Nov 28, 2022) Chemical screening identifies the anticancer properties of *Polyporus parvovarius*. (†: co-corresponding author) **Journal of Cancer** 14(1):50-60
2. 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[†]** Metabolic reprogramming as a novel therapeutic target for Coxsackievirus B3. (†: co-corresponding author) **Animal Cells and Systems**, 26(6) 275–28
3. **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
4. **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
5. Lee YH, **Park JY**, Song ES, Lee H, Kuk MU, Joo JH, Roh H[†], Park JT[†] (2022) Improvement of Sleeping Beauty transposon system enabling efficient and stable protein production. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 27(3): 353-360
6. Kuk MU, **Park JY**, Song ES, Lee H, Lee YH, Joo JH, Kwon HW[†], Park JT[†] (2022) Bacterial artificial chromosome-based protein expression platform using the Tol2 transposon system. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 27(3): 344-352
7. Lee YH, Choi D, Jang G, **Park JY**, Song ES, Lee H, Kuk MU, Joo JH, Ahn SK, Byun Y[†], Park JT[†] (2022) Targeting regulation of ATP synthase 5 alpha/beta dimerization alleviates senescence. (†: co-corresponding author) **Aging** 14(2):678-707
8. Kuk MU, Lee YH, Kim JW, Hwang SY, **Park JY**, Song ES, Kwon HW[†], Oh S[†], Park JT[†] (2021) Rapid and Efficient BAC Recombineering: Gain & Loss Screening System. (†: co-corresponding author) **Biotechnology and Bioprocess Engineering** 26(6): 1023-1033
9. Lee YH, **Park JY**, Lee H, Song ES, Kuk MU, Joo JH, Oh S, Kwon HW[†], **Park JT[†]**, Park SC[†] (2021) Targeting mitochondrial metabolism as a strategy to treat senescence (†: co-corresponding author) **Cells** 10(11): 3003

연구실적 <특허 등록>

1. 박지윤, 박준태 (Jun 20, 2025), 신규한 트랜스포사제 및 이를 이용한 트랜스포존 시스템, 10-2825196 (등록)

연구실적 <특허 출원>

1. 국명옥, 박지윤, 권형욱, 변영주, 박준태 (Nov 18, 2022), 콕사키바이러스 B3 감염 치료 또는 예방용 조성물, 10-2022-0155706 (출원)
2. 박지윤, 권형욱, 변영주, 박준태 (Jul 29, 2022), MAPK 저해제를 포함하는 리소좀 활성화 방법, 10-2022-0095059 (출원)

연구실적 <Poster Presentation>

1. **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 7th 2022, Research Institute of Basic Sciences, Incheon National University
2. **Park JY, Park JT** (2022) Restoration of lysosomal and mitochondrial function through MAPK inhibition ameliorates senescence, 14th International Symposium on Natural Sciences, October 7th 2022, Research Institute of Basic Sciences, Incheon National University
3. **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
4. **Park JY, Park JT** (2022) Reprogramming mitochondrial metabolism through MAPK inhibition improves aging, 2022 년도 생화학분자생물학회 춘계 국제학술대회, MAY 23th~26th 2022, 생화학분자생물학회
5. **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
6. **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
7. **Park JY, Park JT** (2021) Improving the ability of Tol2 transposase in CHO cells. KSBMB international Conference 2021, May 25th ~ May 27th, 2021, 생화학분자생물학회

어학성적

1. TOEIC (2022.06.12) : 880
2. TOEIC speaking (2022. 10. 02) : IH(150)

자격증

1. 컴퓨터 활용능력 2 급(2019.09.13)
2. 한국사 능력 검정 2 급(2017.11.14)