

SOON SANG PARK



CONTACT

Address:

Song-Jae Build. 309
Worldcup-Ro 206,
Suwon, South Korea (16499)

Phone:

+82 31-219-4443

Email:

sspark9395@ajou.ac.kr

EDUCATION

- 2010.03 – 2016.02
Bachelor's Degree of Biological Sciences,
Ulsan National Institute of Science and Technology (UNIST), South Korea
- 2016.03 – 2020.02
Doctor of Medicine,
Ajou University School of Medicine, South Korea
- 2020.03 – 2024.02
Ph.D. in Medicine,
Ajou University School of Medicine, South Korea

RESEARCH INTEREST

1. Cellular senescence
2. Cancer cell senescence
3. Single-cell RNA-sequencing
4. Spatial transcriptomics
5. Senescence and aging
6. Skin aging and pigmentation

PROFESSIONALITY

1. Immunohistochemistry
2. Cell culture and *in vitro* studies (qPCR, Western blot, ICC, ELISA, Cloning, etc.)
3. Single-cell RNA-sequencing
4. Spatial transcriptomics analysis
5. *In vivo* mouse experiments
6. Patient data curation & analysis

PUBLICATIONS

▣ First author

1. **Park SS**, Lee YK et al., Cellular Senescence Drives Spatial Evolution in Colorectal Cancer, *Cell Reports* (2024) **IF:8.8**
2. Kim YH, Lee YK, **Park SS** et al., Mid Old Cells are A Potential Target for Anti-aging interventions in the Elderly, *Nature Communications* (2023) **IF:16.6**
3. **Park SS**, Lee YK et al., p15(INK4B) is an Alternative Marker for Senescent Tumor Cells in Colorectal Cancer, *Heliyon* (2023) **IF:4.0**
4. **Park SS**, Jung JS et al., Epicardial Adipose Tissue Thickness Is Related to Plaque Composition in Coronary Artery Disease, *Diagnostics* (2022) **IF:3.6**
5. **Park SS**, Choi YW et al., Senescent Tumor Cells: An Overlooked Adversary in the Battle Against Cancer, *Experimental and Molecular Medicine* (2021) **IF:12.8**
6. An MH, **Park SS** et al., Depressive Symptom Network Associated with Comorbid Anxiety in Late Life Depression, *Frontiers in Psychiatry* (2019) **IF:4.7**

▣ Corresponding author

1. Shin JS, Kim TG, Kim YH, Eon SY, Park SH, Lee DH, Park TJ, **Park SS***, and Kim JH*, Senescent tumor cells in colorectal cancer are characterized by elevated enzymatic activity of complexes 1 and 2 in oxidative phosphorylation, *Journal of Pathology and Translational Medicine* (2023) **IF:2.4**

▣ Co-author

1. Park YJ, Kim JC, Kim YE, Kim YH, **Park SS**, Muther C, Tessier A, Lee GM, Gendronneau G, Forestier S, Ben-Khalifa Y, Park TJ, and Kang HY. Senescent melanocytes driven by glycolytic changes are characterized by melanosome transport dysfunction,

Theranostics (2023) **IF:12.4**

2. Choi YW, Kim YH, Oh SY, Suh GW, Kim YS, Lee GY, Yoon JE, **Park SS**, Lee YK, Park YJ, Kim HS, Kim JH, and Park TJ. Senescent Tumor Cells Build a Cytokine Shield in Colorectal Cancer, *Advanced Science* (2021) **IF:15.1**

AWARDS

1. The Emerging Scholar Academic Award conferred by the Korean Medical Association, Korea (2024).
2. The Outstanding Article Award conferred by the Dean of Ajou University Graduate School, Korea (2024).
3. The Outstanding Researcher Award conferred by the Minister of Health & Welfare, Korea (2023).
4. Excellent Poster Presentation Award conferred by Saitama University, Japan (2021).

GRANTS

1. A grant of the MD-PhD/Medical Scientist Training Program supported by the Korea Health Industry Development Institute (KHIDI), funded by the Ministry of Health & Welfare, Korea (2022.03-2024.02, \$58,000/yr)
2. A grant of the MD-PhD/Medical Scientist Training Program supported by Ajou University Hospital, Korea (2021.03-2024.02, \$7,700/yr)

PATENT

1. Composition for Diagnostic Biomarker for Senescent Tumor Cells in Colorectal Cancer Involving p15 Protein or Genes Coding for It (Domestic application, 10-2023-0042457, 2023)