Jung Soo Lee

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EDUCATION

Sept. 2020 ~ Aug. 2022	**Korea University** Department of Biomedical Sciences Thesis: Genetic landscape analysis of endometrial stromal sarcomas *Master of Science in Biomedical Science*	Seoul, Korea
Mar. 2014 ~ Aug. 2020	**Korea University** Department of Health Science *Bachelor of Science in Biosystems and Biomedical Sciences*	Seoul, Korea

RESEARCH INTERESTS

- **Computational Genomics:**
  - ✓ Development of command-line bioinformatics tools and web applications for genomic data analysis
  - ✓ Application of machine learning in metagenomic and proteomic sequence analysis

RESEARCH EXPERIENCE

- **Graduate Student** at *Department of Biomedical Sciences, Korea University*   Nov. 2020 ~ Aug. 2022
  - ✓ Analysis of endometrial stromal sarcomas using WES, RNA-Seq, and WGS
  - ✓ Discovery of biomarker for MSI-H pembrolizumab resistant tumors using WES
  - ✓ Analysis of esophageal squamous-cell carcinoma using single-cell/nucleus and spatial transcriptomics

- **Research Intern** at *Department of Biomedical Sciences, Korea University*   Dec. 2019 ~ Mar. 2020
  - ✓ Analysis of single cell RNA-seq using Seurat

PUBLICATIONS

Bellone, S., Roque, D. M., Siegel, E. R., Buza, N., Hui, P., Bonazzoli, E., Guglielmi, A., Zammataro, L., Nagarkatti, N., Zaidi, S., **Lee, J.**, Silasi, D. A., Huang, G. S., Andikyan, V., Damast, S., Clark, M., Azodi, M., Schwartz, P. E., Tymon-Rosario, J. R., Harold, J. A., … Santin, A. D. (2022). A phase 2 evaluation of pembrolizumab for recurrent Lynch-like versus sporadic endometrial cancers with microsatellite instability. *Cancer*, *128*(6), 1206–1218.

Bellone, S., Roque, D. M., Siegel, E. R., Buza, N., Hui, P., Bonazzoli, E., Guglielmi, A., Zammataro, L., Nagarkatti, N., Zaidi, S., **Lee, J.**, Silasi, D. A., Huang, G. S., Andikyan, V., Damast, S., Clark, M., Azodi, M., Schwartz, P. E., Tymon-Rosario, J., Harold, J., … Santin, A. D. (2021). A phase II evaluation of pembrolizumab in recurrent microsatellite instability-high (MSI-H) endometrial cancer patients with Lynch-like versus MLH-1 methylated characteristics (NCT02899793). *Annals of oncology : official journal of the European Society for Medical Oncology*, *32*(8), 1045–1046.

PRESENTATIONS

"Genetic Landscape Analysis of Endometrial Stromal Sarcomas," Korea University College of Medicine, August 31, 2022.

HONORS AND AWARDS

Brain Korea 21 Scholarship (Medicine), Department of Biomedical Sciences, Korea University,	2022
Medical Science Research Scholarship, Department of Biomedical Sciences, Korea University,	2020 ~ 2022
The Welfare Section Scholarships, Department of Health Science, Korea University,	2015

TECHNICAL SKILLS

Programming languages and mathematical packages: JavaScript, Rust, Kotlin, Python, Java, R, MATLAB
Computing skills: Unix, AWS