

## KIWOOK LEE

### Graduate Student

Department of Integrative Biotechnology  
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### ➤ EDUCATION

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- 2015.03 ~ 2021.08**    **Bachelor of Science**, Department of Integrative Biotechnology  
Sungkyunkwan University
- 2021.09 ~**            **Combined MS & Ph.D program**, Department of Integrative  
Biotechnology  
Sungkyunkwan University

### ➤ Academic Training

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- 2017.01 ~ 2017.12**    **Undergraduate Research Volunteer**, Celtech  
Sungkyunkwan University
- 2020.11 ~ 2021.08**    **Undergraduate Research Volunteer**, RNA-based Precision Medicine  
laboratory  
Sungkyunkwan University
- 2021.09 ~**            **Graduated Student**, RNA-based Precision Medicine laboratory  
Sungkyunkwan University

### ➤ AWARDS & SCHOLARSHIPS

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- 2021.08 ~ 2023.08**    **Excellent graduate student scholarship**,  
Sungkyunkwan University
- 2023.07 ~**            **On-dream Future Industrial Talent Scholarship**,  
Hyundai Motor Chung Mong-Koo Foundation
- 2024.09 ~ 2026.08**    **Research Grant Support Project for Ph.D. Students**  
National Research Foundation of Korea (NRF)

## ➤ RESEARCH INTERESTS & SKILLS

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## ➤ SELECTED ACADEMIC PRESENTATIONS

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[Poster presentation]

**Ki-Wook Lee**, Su-Yeon Kim, Ji-Won Lee, Hanen Lo, Sang-Hee Park, Shaginyan Illia, Hye-Young Jung, Young-Jun Jeon. “miR-29 and miR-140 Regulate TRAIL-induced drug tolerant resistance in lung cancer”, International Conference of Genetic Society Korea, **2021**

**Ki-Wook Lee**, Hyun-Woo Park, Yeon-Woo Kim, Jun-Sik Yun, Ji-Min Seo, Soo-Hyun Lim, Esther Kim, Sang-Hee Park, Su-Yeon Kim, Ji-Won Lee, Hanen Lo, Illia Shaginyan, Min-Seon Kim, Balachandran Manavalan and Young-Jun Jeon. “Optimization of NGS Normalization Method for Circulating Nucleic Acid Utilizing Cancer Study”, International Conference of Genetic Society Korea, **2022**

**Ki Wook Lee**, Hyun Woo Park, Ji Min Seo, Na Young Kwon, Balachandran Manavalan, Young-Jun Jeon. “Utilizing RNA-seq Based Conventional Machine Learning Algorithms to Classify Alzheimer’s Disease with High Accuracy”, International Conference of Genetic Society Korea, **2023**

## ➤ PUBLICATIONS

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- [1] **Lee, K. W.\***, Pham, N. T.\*, Min, H. J., Park, H. W., Lee, J. W., Lo, H. E., ... & Jeon, Y. J. (2025). DOGpred: A Novel Deep Learning Framework for Accurate Identification of Human O-linked Threonine Glycosylation Sites. **Journal of Molecular Biology**, 168977.  
\*Equal contribution [Impact Factor – 4.7]
- [2] Moon, S\*., **Lee, K. W.\***, Park, M., Moon, J., Park, S. H., Kim, S., ... & Kweon, D. H. (2024). 3-Fucosyllactose-Mediated Modulation of Immune Response against Virus Infection. **International Journal of Antimicrobial Agents**, 107187.  
\*Equal contribution [Impact Factor – 10.8]
- [3] Kim, S\*., **Lee, K. W.\***, Yoo, Y., Park, S. H., Lee, J. W., Jeon, S., ... & Jeon, Y. J. (2024). MiR-29 and MiR-140 regulate TRAIL-induced drug tolerance in lung cancer. **Animal Cells and Systems**, 28(1), 184-197.  
\*Equal contribution [Impact Factor – 2.9]
- [4] Jeon, Y. J., Hasan, M. M., Park, H. W., **Lee, K. W.**, & Manavalan, B. (2022). TACOS: a novel approach for accurate prediction of cell-specific long noncoding RNAs subcellular localization. **Briefings in bioinformatics**, 23(4), bbac243.

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## ➤ REFERENCES

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Professor (Advisor)

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