

# Seungwon Lee

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<https://mulatta.github.io>

## Education

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<b>Incheon National University</b>	<b>Incheon, Korea</b>
<i>Undergraduate student</i>	Mar. 2019 – Aug. 2023(Scheduled)
Major in Bioengineering, College of Life Science & Bioengineering	
Minor in Computer Science Engineering, College of Information Technology	

## GPA

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Undergraduate GPA: 4.14/4.5	Major: 4.1/4.5	Minor: 4.29/4.5
Percentage equivalent: 96.5/100 (1 semester left)		

## Research Experience

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<b>SBEE Lab (Synthetic Biology and Evolutionary Bioengineering)</b>	<b>Incheon, Korea</b>
Incheon National University	
<i>Undergraduate Research Intern (Advisor: Sungho Jang, Ph.D.)</i>	Dec. 2022 – Aug. 2023(Scheduled)
Development of inducible RNA regulator (Undergraduate Thesis, On Progress)	

## Relevant Experience

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<b>61<sup>st</sup> National Undergraduate Symposium on Biology</b>	<b>Seoul, Korea</b>
Seoul National University	
<i>Participant of 2<sup>nd</sup> Department</i>	June 2022 – Sep. 2022
Major theme: Epigenetics, Minor theme: RNA Biology	

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<b>62<sup>nd</sup> National Undergraduate Symposium on Biology</b>	<b>Seoul, Korea</b>
Seoul National University	
<i>Team leader of 3<sup>rd</sup> Department</i>	June 2023 – Sep. 2023
Major theme: Metabolism, Minor theme: Immunometabolism and Cellular Senescence	

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<b>BINU (Bioinformatics INU) Study group</b>	<b>Incheon, Korea</b>
Incheon National University	
<i>Group Leader</i>	Mar. 2023 – Present
Linear Algebra, Basic Artificial Intelligence	
Planning competition (Biotechnology start-up investigation & Pamphlet Production/Distribution)	

**2023 Korea Youth Bio-academy****Incheon, Korea**

Incheon National University

*Teaching Assistant*

4 Sep. 2023 – 23 Sep. 2023

Title: From DNA to RNA and protein: Expressing genes that you can see directly with your eyes

Practice: Use a cell-free gene expression system to express fluorescent protein, RNA to confirm gene expression with eyes

**Research Interest**

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Synthetic Biology – Inducible RNA regulator, Biological Computer

Bioinformatics – Artificial Intelligence, Data Science

**Relevant Skills**

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<b>Programming Skills</b>	C(fluent), Python(basic, experienced using numpy, pandas, pytorch, matplotlib), MySQL(basic)
<b>Experimental Skills</b>	PCR, Bacterial transformation, DNA Electrophoresis, Plasmid preparation, Gel Purification, Nanodrop assay, Gibson Assembly

**Awards and Honors**

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<b>Scholarship for Academic Excellence (Top 5%, 60% funded)</b>	Incheon National University, Fall 2019
<b>Scholarship for Academic Excellence (Top 12%, 30% funded)</b>	Incheon National University, Spring 2020
<b>Scholarship for Academic Excellence (Top 3%, Full-funded)</b>	Incheon National University, Spring 2023
<b>This year, UNI (Grand Prize for Planning Competition)</b>	Incheon National University, Sep. 2023
<b>Scholarship for Academic Excellence (Top 3%, Full-funded)</b>	Incheon National University, Fall 2023
<b>Scholarship for Academic Excellence (Top 12%, 30% funded)</b>	Incheon National University, Spring 2024