Yuzuki Ishikawa

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Hard-working student with a passion for neuroscience and psychiatry. Experienced in molecular and cellular biology techniques through laboratory experience. Excited to explore mechanisms of healthy and atypical brain function.

Education

Keio University   *Yokohama, Japan*   *Expected Graduation : March 2023*

Department of Biosciences and Informatics   Cumulative GPA: 3.16

Relevant Coursework: Bioinformatics, Bioprogramming, Biocybernetics

University of Illinois at Urbana-Champaign   *Champaign, IL, The United States*   *August 2021 - May 2022*

Exchange Program, College of Liberal Arts and Sciences   Cumulative GPA: 3.55

Relevant Coursework: Cell and Molecular Neuroscience, Artificial Intelligence, Neural Network Modeling Lab

- Participated in a one-year exchange program
- Obtained a competitive scholarship during studying abroad

Research Experience

Cognitive Neuroscience Lab (Jimura Lab)   *April 2022 - Present*

Undergraduate Research Assistant   *Yokohama, Japan*

- Investigation of the human cognitive and executive function using fMRI

Neuroimmunology lab (Inoue Lab)   *September 2021 – May 2022*

Undergraduate Research Assistant   *Champaign, IL, US*

- Investigation of the pathological mechanism of autoimmune diseases induced by the T-cell migration to the brain using mouse models
- Performed immunohistochemistry to visualize neuronal activity
- Created a cell counting protocol for the neuronal activity analysis

Conference Presentations

Poster Presentations

- "Brain-Lung Network Disconnection in *Cryptococcus*-associated Immune Reconstitution Inflammatory Syndrome," The Undergraduate Research Symposium, University of Illinois at Urbana-Champaign, IL, April 28th, 2022.

Skills

- **Molecular Biology:** Immunohistochemistry, Fluorescence Microscopy, Genotyping, Brain Cryosectioning
- **Programming:** Python, R

Additional Skills

- **Language:** Japanese (Native), English (Fluent / TOEFL iBT 94)