

Yuzuki Ishikawa

ishikawa.yuzuki.53w@st.kyoto-u.ac.jp (Primary) | yuzukii1004@gmail.com

Hard-working student with a passion for neuroscience and psychiatry. Experienced in molecular biology techniques, data analysis, data visualization, and machine learning through lab experiences.

Education

Kyoto Graduate University <i>Kyoto, Japan</i>	<i>Expected Graduation : March 2025</i>
<i>Department of Medical Sciences, Master's Program</i>	
Keio University <i>Kanagawa, Japan</i>	<i>April 2019 - March 2023</i>
<i>Department of Biosciences and Informatics, Bachelor's Degree</i>	<i>Cumulative GPA: 3.21</i>
University of Illinois at Urbana-Champaign <i>Champaign, IL, The United States</i>	<i>August 2021 - May 2022</i>
<i>College of Liberal Arts and Sciences, Exchange Student</i>	<i>Cumulative GPA: 3.55</i>

Research and Work Experience

Psychiatry Lab (Murai Lab)	<i>April 2023 - Present</i>
<i>Graduate Student</i>	<i>Kyoto, Japan</i>
Araya Inc. (Chikazoe Lab)	<i>July 2022 - Present</i>
<i>Research Internship Fellow</i>	<i>Tokyo, Japan</i>
Cognitive Neuroscience Lab (Jimura Lab)	<i>April 2022 – March 2023</i>
<i>Undergraduate Research Assistant</i>	<i>Kanagawa, Japan</i>
Neuroimmunology Lab (Inoue Lab)	<i>September 2021 – May 2022</i>
<i>Undergraduate Research Assistant</i>	<i>Champaign, IL, US</i>

Publications and Conference Presentations

Publications

- Kawano T., Zhou J., Salah H., Dayal H.A., **Ishikawa Y.**, Anwar S., Takahashi T., Boetel K., Sharma K., and Inoue, M. (2023). T Cell Infiltration into the Brain Triggers Pulmonary Dysfunction in Murine *Cryptococcus*-associated IRIS. *Nature Communications*, 14, 3831

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
 - Neuroimaging:** FSL, SPM, FreeSurfer, Connectome Workbench
 - Programming:** Python (Pandas, Multiprocessing, Matplotlib, Keras, Scikit-Learn, TensorFlow), R, Bash, MATLAB

Additional Skills

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