
ICR-iJURC Report

Research visit at the Mamitsuka Lab

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As a PhD student at Semmelweis University, Hungary, my research focuses on understanding the biological background of migraine. Migraine is known to be influenced by genetics, and other biological factors such as gene expression level and brain functioning also play a role in its pathophysiology. However, the combined contribution of these factors has not yet been explored.

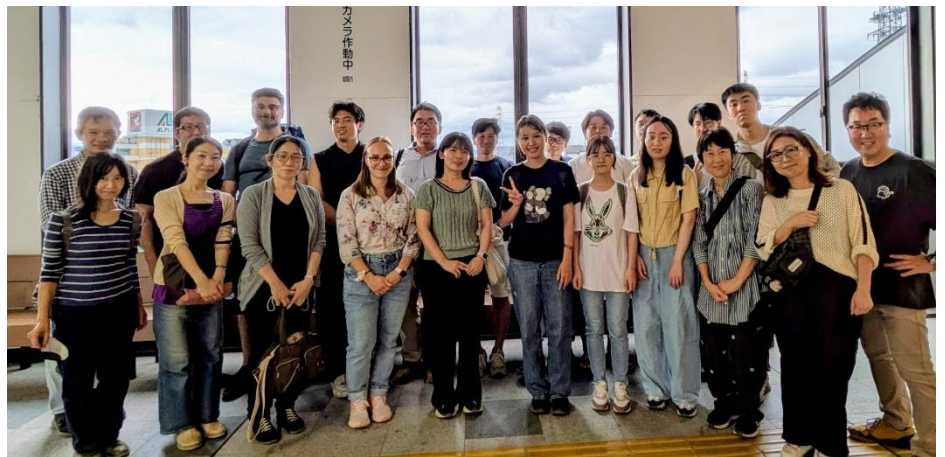
Thanks to the opportunity to visit the Mamitsuka lab, with the support of Professor Mamitsuka and Péter Petschner, I had the chance to work on a method including machine learning, that can identify the combined effects of these factors. By applying this method, new biological pathways and the importance of the combinations of biological factors could be identified and could advance our understanding of the background of migraine.

I would like to thank the financial support from International Short-term Exchange Program for Young Researchers by the International Collaborative Research Program of Institute for Chemical Research, Kyoto University, which enabled my visit.

Further I would like to express my gratitude to Professor Mamitsuka for the opportunity and the support he gave during my stay. I also would like to thank Canh Hao Nguyen and Junko Yamamoto for their help.



Hiking in Konze Alps, Shiga



Annual picnic of Bioinformatics Center