Project Title: Compare different biopsychosocial models of brain development using two large imaging datasets

Name: ○Sharifullah Alemi (1), Pui Chuen Tam (1)

Laboratory at RIKEN:
(1) Center for Brain Science, Laboratory for Neural Stem Cell Research

1. Background and purpose of the project, relationship of the project with other projects

Cognitive decline is a common long COVID symptom and has been linked to brain changes observable in magnetic resonance imaging (MRIs). Compared to physiological changes due to COVID-19, relatively little is known about other potential moderators (e.g., cognitive reserve, metacognition, interoception, and social factors, etc.) that could explain individual differences for the cognitive decline.

2. Specific usage status of the system and calculation method

No job was executed on HBW2.

3. Result

N/A

4. Conclusion

N/A

5. Schedule and prospect for the future

N/A

6. If no job was executed, specify the reason.

In this project, we obtained data from the UK Biobank to examine the effects of long-COVID on different groups in relation to several social network factors. But due to policy change by the UK Biobank regarding the way researchers handle UK Biobank data from Nov 2024, we conducted the analysis on the UK Biobank Research Analysis Platform (RAP) instead of on HBW2.