

Project Title:**Multi-omic insights into brain-aging pathways / マルチオミクスによる脳老化経路の洞察****Name:**○ **Emi Ling (1)****Laboratory at RIKEN:****(1) Center for Brain Science, Laboratory for Brain Resilience**

1. Background and purpose of the project, relationship of the project with other projects Human cognitive aging shows striking variability, even among otherwise healthy individuals. To safeguard cognitive health across the lifespan, we require a comprehensive grasp of the specific cell types and biological pathways that drive these inter-individual differences in brain aging. To that end, this research will employ emerging analytical methods on both existing and newly generated datasets from mammalian brain tissue and other tissues. This is the only project currently registered on HBW2. 2. Specific usage status of the system and calculation method [No job was executed in the FY] 3. Result [No job was executed in the FY] 4. Conclusion [No job was executed in the FY] 5. Schedule and prospect for the future I plan to download and analyze data from public repositories starting in FY2026 (April). 6. If no job was executed, specify the reason.	I am a new Team Director and my laboratory opened on February 1, 2026. Because my research involves data of human origin, I am required to complete ethics review before downloading or analyzing any data with personal information. My ethics interview was on March 6, 2026 and I am still awaiting the results. I will begin executing jobs only when I have received approval.
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