Computational Neuroscience Research Positions Available at the Center for Memory and Glioscience, Institute for Basic Science (IBS), Daejeon, South Korea

The research group of Dr. Sungho Hong at the Center for Memory and Glioscience, Institute for Basic Science (IBS), Daejeon, South Korea (https://ibs.re.kr/ccs/), is seeking highly motivated individuals for two positions, a **postdoctoral researcher** and **senior researcher**.

Our group studies the biophysical basis of neural information processing through computational modeling, with particular emphasis on developing neuroscience-inspired machine learning/AI (neuroAI) models to analyze and model neuroscience data. We are big fans of physiological mechanisms and investigate how they collectively define the functions of neural systems underlying intelligent behavior. Currently, our research projects focus on the cerebellar neural circuit and its adaptive computation:

- Computations for flexible movement control via latent dynamics underlying the population activity of cerebellar neurons
- Efficient construction of large-scale, physiologically realistic computational models of neural circuits
- Modeling neuro-glia interactions and their impact on behavior.

We carry out these projects in close collaboration with experimental labs both within our Center and abroad, providing rich opportunities for integrative research. For more information, please check out the Center (https://centers.ibs.re.kr/html/ccs/science/science_020101.html#research_05) or PI homepage (https://shhong.github.io).

We are next door to top-notch experimental laboratories in our Center and have various opportunities for scientific exchange also with other members of a vibrant neuroscience community in South Korea. We are stably supported internally by IBS, a South Korean government initiative for excellence in basic science research.

Successful candidates will hold a PhD in neuroscience or related quantitative fields (Physics, Mathematics, Computer Science, etc.), with strong interest in understanding neural systems through computational approaches. We are committed to welcoming applicants of all ethnicities, genders, sexual orientations, religions, etc.

For more information and how to apply, please check out our official posting at https://ibs.re.kr/prog/recruit/eng/sub04_01/view.do?idx=2007. The deadline is **December 1, 2025.**

For questions about the positions, please contact: sunghohong@ibs.re.kr