

■ Job Information

Subject No.	2024R-148
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Center for Information and Neural Networks, Neural Information Engineering Laboratory
Work Contents (Research theme)	Cognitive and computational brain mechanisms of category learning and semantic concept representation, memory formation, and cognitive control
Detail of Work Contents	<p>Perform studies on the computational and neural mechanisms of cognitive control, learning, and concept knowledge formation in hippocampal, prefrontal and anterior/inferior temporal cortex (category learning, visual perception). Test participants in behavioral and neuroimaging (fMRI, possibly MEG/OPM/TUS) experiments. Apply/develop novel approaches in the research group for computational modeling (cognitive models, deep neural networks).</p> <p>The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content.</p>
	Employees to be hired through this recruitment may apply for external competitive research fundings such as Grant-in-Aid for Scientific Research (KAKENHI) and NICT' s internal research fundings.
Application requirement	PhD in cognitive/computational neuroscience, computer science, engineering or related fields, or BSc/MSc with research experience (e.g., research assistant position). Experience in neuroimaging (fMRI, M/EEG) and behavioral experiments, AND/OR computational cognitive (neuro)science (cognitive models, neural networks). Programming: Python, Pytorch/Tensorflow/equivalent (C++/Matlab/R/Julia acceptable). Good written/spoken English required, good spoken Japanese desirable. One peer-reviewed publication, or a writing sample may be requested.
Recruiting (Number of people)	1
Contract period	hiring date ~ March 31,2025 N.B. Contract could be renewed.
The employment period in case of fully renewing	Up to March 31,2027 if certain conditions are fulfilled
Salary (basic salary)	¥419,000 ~ ¥516,000/month  Basic salary shall be determined by taking into account each employee's experience and task to be engaged in. However, as a basic salary is compliant with government employees' wages, it shall be changed when a basic salary is changed after labor union and the like of NICT agreed under a revision to the government employees' wages.
Work Place	Center for Information and Neural Networks (Suita-shi,Osaka)
Working frequency	5days/week (7.5hours/day)

\*Department name and work place including work contents (research theme) and detail of work contents might change according to organizational change, etc.

\*Scope of change in work and workplace : No changes are expected in general.