■ Job Information

Subject No.	2027R-48
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Center for Information and Neural Networks, Brain Function Analysis and Imaging Laboratory
Work Contents （Research theme)	Research and Development of Next-Generation Neuroimaging Technologies Using MRI and MEG
Detail of Work Contents	We conduct research and development of novel measurement and data analysis technologies for high-precision characterization of human brain structure and function using advanced neuroimaging platforms, including 7-Tesla MRI and MEG. Research activities include: Development of novel MRI acquisition methodologies/ Development of signal processing and data analysis techniques for MRI and MEG/ Development of high-spatial-resolution and high-temporal-resolution neuroimaging methods/ Neuroscience research using MRI and MEG. The developed technologies will be applied to advance neuroscience research, with particular emphasis on sensory information processing, cognition, and brain function. The Article 15(2) of the Act on the activation of Science, Technology and Innovation will be applied to this work content.
	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	(1) A doctoral degree or equivalent in a relevant field, (2) A strong publication record in peer-reviewed international journals, (3) Ability to conduct research and development activities effectively in a collaborative research environment. Preferred Qualifications: Experience in one or more of the following areas is desirable: (A) MRI Methodology Development (MRI pulse sequence development/Research in MRI physics and/or image reconstruction), (B) Neuroimaging Technology Development(Development of measurement methodologies using MRI, MEG, EEG, or related modalities/Signal processing algorithm development/Development of analysis methods using machine learning and artificial intelligence), (C) Neuroscience Research(Brain function research using MRI and/or MEG /Research on sensory and cognitive functions/ Experience conducting human-subject neuroscience experiments). Desired Profile: Applicants with one or more of the following interests are particularly encouraged to apply: (a) Strong interest in developing novel neuroimaging methodologies, including MRI pulse sequences and signal processing techniques, (b) Interest in developing innovative acquisition, measurement, and analysis methods using neuroimaging modalities such as MRI and MEG, (c) Interest in advancing neuroscience research through the application of cutting-edge measurement technologies.
Recruiting (Number of people)	1
Contract period	hiring date ～ March 31,2028 N.B. Contract could be renewed.
The employment period in case of fully renewing	Up to 3years if certain conditions are fulfilled
Salary (basic salary)	¥541,000 ～ ¥558,000/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）

* Scope of change in work and workplace：No changes are expected in general
* The expressions used in "Work Contents (Research theme)" and "Detail of Work Contents" and the names of "Department" and "Work Place" may be subject to change due to organizational restructuring or other reasons.

NICT Fixed Term Positions Job Announcement: https://www.nict.go.jp/en/employment/index-e-top.koubo.html