

■ Job Information

Subject No.	2026R-95
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Center for Information and Neural Networks, Brain Networks and Communication Laboratory
Work Contents (Research theme)	Development of deformable musculoskeletal model based on medical images
Detail of Work Contents	We are developing a technique to construct deformable musculoskeletal model based on medical images such as MR images. The purpose of this project is to establish a technique that automatically extracts 3-dimensional structure of each muscle and bone from medical images and to develop a system that generates subject-specific musculoskeletal model only by measuring medical images. The project also aims to construct a database of human musculoskeletal structure by using the extraction technique. 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	Applicant must be a person who has experiences on measurement and analysis of medical images and published research paper about image processing about the musculoskeletal system. Furthermore, applicant should have a skill to identify an area of each muscle and bone based on anatomical knowledge and should be familiar with the technique about automatic shape-extraction from medical images such as deep learning.
Recruiting (Number of people)	1
Contract period	hiring date ~ March 31,2027 N.B. Contract could be renewed.
The employment period in case of fully renewing	Up to 3 years if certain conditions are fulfilled
Salary (basic salary)	¥515,000 ~ ¥534,000/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.