

■ Job Information

Subject No.	2025R-90
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	<p>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.</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>
	<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.</p>
Application requirement	<p>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.</p>
Recruiting (Number of people)	1
Contract period	<p>hiring date ~ March 31,2026 N.B. Contract could be renewed.</p>
The employment period in case of fully renewing	Up to 1 year if certain conditions are fulfilled
Salary (basic salary)	<p>¥484,000 ~ ¥516,000/month</p> <p>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.</p>
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.