

■ Job Information

Subject No.	2024R-54
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Kobe Frontier Research Center, Superconductive ICT Device Laboratory
Work Contents (Research theme)	Development of superconducting photon detector
Detail of Work Contents	<p>Photon detectors using superconducting strip show high performance in the visible to mid-infrared wavelength range. In this research, we will carry out research and development aimed at further improving the performance and sophistication of superconducting strip photon detectors.</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	Expert knowledge of superconducting device fabrication (film deposition, lithography, etching), expert knowledge of measurement of electrical signal, high-frequency signal, optical signal), Expert knowledge of electronic circuit, quantum mechanics, solid-state physics
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 5 years 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	Advanced ICT Research Institute (Iwaoka, Nishi-ku, Kobe-shi, Hyogo)
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.