■ Job Information

Subject No.	2027R-61
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Koganei Frontier Research Center, Quantum ICT Laboratory
Work Contents （Research theme)	Fundamental Research and Development toward Realizing Quantum Networks
Detail of Work Contents	We conduct fundamental research and development on entangled photon-pair sources, trapped-ion quantum memories, quantum frequency conversion, and quantum networks integrating these elemental technologies. In recent years, research toward the realization of quantum networks, which interconnect quantum devices such as quantum computers and quantum sensors by sharing entanglement over long distances, has been actively pursued worldwide. Realizing such networks requires not only advances in individual elemental technologies but also experimental research that integrates diverse quantum technologies and harnesses their respective capabilities. We welcome researchers who are motivated to actively pursue challenging research toward the realization of novel quantum networking technologies. 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	Applicants should hold a doctoral degree and have knowledge of quantum communications and/or quantum information. Research experience in experimental studies related to the following areas of laser physics at a university, research institute, or company is desirable. (Applicants with expertise in other fields are also encouraged to apply, provided that they demonstrate a willingness to contribute proactively to the research.) (1) Quantum optics (e.g., single-photon detection technologies) (2) Nonlinear optics (including ultrashort-pulse-related research) (3) Laser-cooled atoms and ions (4) Optical communications (e.g., optical modulation and homodyne detection 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 5years 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	Headquarters (Koganei-shi, Tokyo)
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