

■ Job Information

Subject No.	2026R-29
Job Title	Fixed Term Researcher
Department	Advanced ICT Research Institute / Kobe Frontier Research Center, Bio-ICT Laboratory
Work Contents (Research theme)	Force Sensor Development and Mechanoinformation Processing
Detail of Work Contents	This research focuses on biomolecular information systems and mechanoinformation processing in cells. By integrating force sensors to visualize systems composed of biomolecules and the mechanical communication inside cells, we aim to develop technologies for sensing mechanical information in living systems and to gain insights into their information processing mechanisms. The work will employ approaches that combine DNA nanotechnology, biophysics, and biochemical methods. 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	A PhD degree is required. Experience or knowledge in designing and constructing DNA nanostructures, single-molecule fluorescence observation using total internal reflection fluorescence (TIRF) microscopy, force measurements with optical tweezers, cell culture, and image analysis is desirable but not mandatory. Experience or knowledge in biochemistry and genetic engineering is also welcome. The position requires advanced experimental skills to handle precise manual experiments, as well as the ability to analyze data using software, including measuring, recording, and organizing experimental parameters.
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 5 years if certain conditions are fulfilled
Salary (basic salary)	¥459, 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	Advanced ICT Research Institute (Iwaoka, Nishi-ku, Kobe-shi, Hyogo)
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.