### Job Information

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<th>Subject No.</th>
<th>2024R-127</th>
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<tr>
<td>Job Title</td>
<td>Fixed Term Researcher</td>
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<tr>
<td>Department</td>
<td>Advanced ICT Research Institute / Kobe Frontier Research Center, Bio-ICT Laboratory</td>
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<tr>
<td>Work Contents</td>
<td>Understanding and Regulating Cellular Information Systems Using a Constitutive Approach</td>
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**Detail of Work Contents**

Development of technologies that artificially reproduce the flexible and highly efficient information transfer and processing performed by cells, using a constitutive approach. The successful candidate will be responsible for setting up in vitro artificial cell experimental systems based mainly on biochemical and biophysical 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**

- Applicants should have a PhD in basic science or engineering, and a strong interest in the biological ICT such as autonomous telecommunications system.
- The candidate should be proficient in preparation of cell-sized liposomes (artificial cells) and their characterization using fluorescence microscopy and other techniques.
- The candidate should have knowledge and experience in biochemical experiments such as protein expression and purification.

Applicants with knowledge and experience in biophysical analytical approaches (analysis of liquid-liquid phase separation, molecular dynamics simulations of biological membranes, etc.) are preferred.

**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)**

¥484,000 ~ ¥516,000/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)

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.