

■ Job Information

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| Subject No.                                     | 2025R-17  |
| Job Title                                       | Fixed Term Researcher   |
| Department                                      | Advanced ICT Research Institute / Kobe Frontier Research Center, Bio-ICT Laboratory   |
| Work Contents (Research theme)                  | Understanding and Regulating Cellular Information Systems Using a Constitutive Approach   |
| Detail of Work Contents                         | <p>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 experimental systems based on biochemical and biophysical methods.</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                         | <ul style="list-style-type: none"> <li>• Applicants should have a PhD in basic science or engineering, and a strong interest in the biological ICT such as autonomous telecommunications system.</li> <li>• The candidate should be proficient in preparation of cell-sized liposomes (artificial cells) and their characterization using fluorescence microscopy and other techniques.</li> <li>• The candidate should have fundamental knowledge necessary to handle biomolecules such as DNA, proteins, lipids, etc.</li> </ul> <p>Applicants with knowledge and experience in biophysical analytical approaches (analysis of liquid-liquid phase separation, molecular dynamics simulations of biological membranes, etc.) are preferred.</p> |
| Recruiting (Number of people)                   | 1   |
| Contract period                                 | hiring date ~ March 31,2026<br>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<br>(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.