

Project Assistant Professor Position at the Section for Data-Driven Research Infrastructure
Development, the Center for Research Collaboration,
National Institute for Physiological Sciences, National Institutes of Natural Sciences

National Institute for Physiological Sciences (NIPS), National Institutes of Natural Sciences (NINS), Okazaki, Japan, invites applications for the position of Project Assistant Professor. Please recommend suitable candidates and disseminate this posting to those who wish to apply.

1. Position

Project Assistant Professor, two positions (Depending on the evaluation of the candidate's research achievements, appointment may be made as a Project Research Staff.)

2. Affiliation

(Upon hiring) the Section for Data-Driven Research Infrastructure Development, the Center for Research Collaboration, NIPS, NINS
(Range of change) Workplace designated by NINS

3. Research field

The National Institute for Physiological Sciences (NIPS) is an inter-university research institute in the field of basic medical sciences that aims to elucidate the functions of the human body and the mechanisms underlying them. Through the Project for Establishing Joint Usage/Joint Research Systems, specifically the “Large-Scale Integrated Research System Formation Leading Program,” NIPS aims to collect diverse and large-scale research data and advance data-driven science by effectively utilizing these data.

In recent years, data-driven approaches have become increasingly important in physiology and neuroscience. Such research integrates diverse and large-scale datasets, including imaging data obtained by MRI and electron microscopy; electrophysiological data such as electroencephalography, magnetoencephalography, and neuronal spike recordings; behavioral data; and clinical information. By applying methods including statistical analysis, statistical machine learning, artificial intelligence (AI), information science, and mathematical modeling to these data, new scientific insights can be obtained. The newly established Section for Data-Driven Research Infrastructure Development within the Center for Research Collaboration aims to promote the effective use of research data accumulated both within and outside NIPS and to establish a research infrastructure that organically integrates NIPS's advanced experimental technologies with a broad range of research data.

We therefore invite applications from individuals who are highly motivated and collaborative and who will promote data-driven research in physiology and neuroscience while contributing to the development, operation, and advancement of the databases, data-analysis environments, computational resources, communication infrastructure, and research-support systems that

underpin such research. The successful candidate will primarily engage in one of the following areas: (1) development of methods and systems for sharing, organizing into databases, and analyzing diverse research data; (2) interdisciplinary data analysis using statistical analysis, statistical machine learning, AI, mathematical modeling, and related approaches; and (3) development of novel research methodologies that make use of advanced communication and computational infrastructure. The successful candidate will also be expected to promote the application of these activities to NIPS's joint use and collaborative research programs. In addition, within the scope consistent with the objectives of this program and the section, the successful candidate will be encouraged to pursue their own research projects.

Experience in one or more of the following areas is desirable: data science, information science, statistics, machine learning, development or operation of databases or computational infrastructure, or data analysis or mathematical modeling in physiology, neuroscience, or the life sciences. However, specific prior experience in any particular research field or methodology is not required for applicants who are strongly motivated to take on new research challenges and contribute to the development of new research infrastructure.

After appointment, the successful candidate will work in collaboration with research divisions and the Technical Division within NIPS, as well as with relevant institutions within and outside the National Institutes of Natural Sciences (NINS), to advance data-driven science and open science. The successful candidate will also contribute to NIPS's joint use and collaborative research activities and related research projects. In addition, in a manner consistent with the mission of NIPS and the framework of the appointment, the successful candidate is expected to participate in graduate education at the Graduate University for Advanced Studies (SOKENDAI).

4. Job duties

(Upon hiring) As stated in #3 above.

(Range of change) Job duties designated by NINS.

5. Qualifications

Applicants should have a doctoral degree or equivalent research achievements.

6. Period of appointment

The appointment is renewable annually based on performance, up to March 31, 2030.

Depending on the progress of the project and the appointee's work performance, conduct, and abilities, the appointment may be renewed up to March 31, 2036.

7. Benefits and Conditions

Salary will be determined based on the NINS's payment standards, and according to the applicant's career, ability, and other factors. Other conditions will be determined as stipulated by NINS.

8. Application documents

- (1) Curriculum vitae (please use the designated format*)
- (2) Summary of past research, reason for applying, and future aspirations (approximately 1,000 words; No format specified)
- (3) List of publications (Appendix 1*)
 - Number the publications consecutively in order of publication date (chronological order, starting with the most recent publication at the top). Circle the number(s) of up to three main publications listed in (5) below.
 - The publication list must include the names of all authors, titles of papers, journal names, volume number, page number (beginning and end pages, or the article number in the case of Open Access Journal), year of publication, and DOI.
 - Original papers and review articles (including books) should be listed separately.
 - Publications in English and Japanese should be listed separately.
 - Papers in press should be included; but papers under submission, those with preprints (e.g., bioRxiv), or those in preparation should not.
- (4) Other reference materials (Appendix 2*)
- (5) PDF files of up to three main publications
- (6) Letter(s) of recommendation (*)
 - At least one letter
 - The letter can be sent separately by the recommender.

*Please download the designated formats for (1), (3), (4), and (6) from the following URL:

<https://www.nips.ac.jp/eng/recruit/index.html>

*The documents (1) to (6) should be prepared in PDF format; the documents (1) to (5) should be merged into a single PDF file to be submitted electronically.

9. Application deadline

All of the application documents must be received by noon on October 13th (Tuesday), 2026 (Japan Standard Time).

10. Date of appointment

As soon as possible after the successful applicant is determined.

11. Other notes

(1) Gender equality

1. NIPS complies with the Act on Equal Employment Opportunities and is committed to promoting gender equality.
2. When applicants are judged to be equally qualified based on the evaluation of their achievements, NIPS will give preference to female candidates.

3. Maternity, childcare, or nursing care leave is taken into consideration, if applicants clearly indicate the period of leave on their CVs or other documents.

(2) Handling of personal information

Personal information pertaining to applications will be managed appropriately in accordance with the Act on the Protection of Personal Information and related rules of NINS. It will be used only for the purpose of selection and employment.

(3) Scholarship Repayment Support Program

NINS has established a scholarship repayment support program for young researchers. For appointees who meet the eligibility requirements and receive approval, NINS will make partial repayments of scholarships provided by the Japan Student Services Organization (JASSO) on their behalf. For details, please refer to the NINS website (<https://www.nins.jp/about/folder7/dairihenkan.html>).

12. How to submit the application documents

(1) Submission process

- (a) Intention to Apply: First, applicants must send an e-mail to indicate their intention to apply to the personnel section, Okazaki Administration Center (nips-recruit@orion.ac.jp). The e-mail should include the applicant's "name," "current affiliation and position," "phone number," and "e-mail address."
- (b) The personnel section will inform the applicant as to how to submit their application documents as an electronic file.
- (c) If the applicant's recommender(s) wish to send the recommendation letter separately, the personnel section will inform the recommender of how to send the letter. For this purpose, applicants need to inform the NINS personnel section of the name(s) of recommender, affiliation(s), and e-mail address(es) when they first indicate their intention to apply as detailed in (a) above.

(2) Important notice

- (a) To protect personal information, do not send any application documents by e-mail.
- (b) Notification of the "Intention to Apply" must be received by noon October 6th (Tuesday), 2026 (Japan Standard Time).

(3) Contacts for inquiries

- (a) Regarding document submission, salary, and benefits

The personnel section, Okazaki Administration Center, NINS
38 Nishigonaka Myodaiji, Okazaki, Aichi, 444-8585, Japan
Phone: +81-564-55-7113

E-mail: r7113 @ orion.ac.jp (please remove the spaces before and after @)

(b) Regarding research content

Keiichi Kitajo, Ph.D.

Professor

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Collaboration /

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