

Call for Applications: Program-Specific Researcher (Postdoctoral Fellow), Applied Mathematics Group (Hiraoka Group)

Institute for the Advanced Study of Human Biology (ASHBi), KUIAS Kyoto University

11 October 2024

Institute for the Advanced Study of Human Biology (ASHBi) was selected by Japan's Ministry of Education, Culture, Sports, Science and Technology (MEXT) as a part of the World Premier International Research Center (WPI) Program, and it was established within Kyoto University Institute for Advanced Study (KUIAS) on 30 October 2018 with Mitinori Saitou, a world-leading developmental biologist, at its head. ASHBi is now looking for a Program-Specific Researcher (Postdoctoral Fellow) in the laboratory of Professor Hiraoka (Applied Mathematics Group). Details are as follows.

1. Job Titles:

Program-Specific Researcher (Postdoctoral Fellow)

2. Number of Positions:

Two (2)

3. Affiliation:

Institute for the Advanced Study of Human Biology (ASHBi), KUIAS Kyoto University

Yoshida Ushinomiya-cho, Sakyo, Kyoto 606-8501 Japan

(range of alteration) If the university permits or requests teleworking, the place of work includes the home, etc.

4. Eligibility:

Essential requirements are as follows:

1. The candidate has a Ph.D.
2. The candidate has excellent research achievements in mathematics, data science, informatics, computational science, biology, or related fields.

5. Starting Date:

April 1, 2025 or the earliest possible date thereafter (adjustable according to individual requirements)

6. Term:

As early as possible after April 1, 2025 (negotiable) - up to March 31, 2030.

(One-year renewal. After the employment period ends, the contract can be renewed depending on achievements. Renewal of the contract is determined by taking into account the work volume at the time

of the expiration of the contract period, work performance, attitude, ability, the status of progress of work performed, and the acceptance of the external funding for which the employee is employed.)

Probationary period: 6 months

7. Job Descriptions:

Research on the development of data analysis methods (theory, implementation, actual data analysis, etc.) for genome and epigenome data based on mathematical sciences (statistics, dynamical system, topology, etc.). This is part of the research on the research topic "Innovation in Interdisciplinary Mathematical Research via Single-Cell Data Science" in the JST CREST research area "Creation of Mathematical Foundation for Prediction and Control". The successful applicant will conduct research under the guidance of Associate Professor Yusuke Imoto of the Hiraoka Group.

8. Working Conditions:

Five (5) working days per week (days off: Saturdays, Sundays, public holidays, year-end and New Year holidays, and Foundation Day, as per University guidelines)

Working hours: 38 hours 45 minutes per week under a discretionary labor system.

·If the discretionary work system for specialized work is not applied, the employee works from 8:30AM to 5:15PM with one hour break (12:00-13:00).

·Overtime may be required when necessary.

9. Salary:

Paid annually in compliance with the rules of Kyoto University.

10. Allowance:

No allowance (such as for commuting, housing, bonuses, etc.) will be provided.

11. Social Insurance:

National Public Service Mutual Aid Association health policy

Employee's pension insurance

Employment insurance

Worker's accident insurance

12. Deadline:

Open until the position is filled.

If the candidate wants to start the job on April 1, 2025, then must submit their application by January 10, 2025.

13. Evaluation Procedure:

Submitted applications will be reviewed, if necessary, followed by interviews (onsite/online) for short-listed candidates.

14. Application Method:

Please send an e-mail with the title "Applied Mathematics Group (Hiraoka Group) Program-Specific Researcher Application" and PDF files of (1) to (4) (Japanese or English only, one PDF file) and (5).

- (1) Curriculum vitae (including a photograph, home address, contact information, education, Academic Degree, professional Experience, awards)
- (2) List of Publications/Grants
- (3) Research Proposal (within 1 pages)
- (4) Contact details of two (2) references (name, affiliation, position, address, e-mail address)
- (5) Copies of major research papers (up to three).

Submit via email to: ASHBi-recruit@mail2.adm.kyoto-u.ac.jp

15. Additional Information:

Submitted documents are used only for the purpose of applicant screening and hiring. Personal information will not be disclosed, transferred or loaned to a third party under any circumstances without just cause. Kyoto University promotes gender equality. As part of our university's measures to promote gender equality based on the provisions of Article 8 of the "Act on Securing Equal Opportunities and Treatment for Men and Women in the Field of Employment (Equal Employment Opportunity Act for Men and Women)", we will give priority to hiring women, if the evaluations are the same in the selection process.

To prevent passive smoking, Kyoto University prohibits smoking at indoors and outdoors at all campuses except for the designated smoking areas.

16. Inquiry:

Yusuke Imoto

Institute for Advanced Study, Kyoto University.

E-mail: imoto.yusuke.4e*kyoto-u.ac.jp

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