

# **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

29 January 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. (This is a new call for Program-Specific Researcher position, different from the previous advertisement made in December 13, 2023.)

## **1. Job Titles:**

Program-Specific Researcher (Postdoctoral Fellow)

## **2. Number of Positions:**

One (1)

## **3. Affiliation:**

Institute for the Advanced Study of Human Biology (ASHBi), KUIAS Kyoto University  
Yoshida Konoe-cho, Sakyo, Kyoto 606-8501 Japan

## **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, bioinformatics, or related fields. The candidate is interested in interdisciplinary research of mathematics and biology and can cooperatively work with mathematicians and biologists.

## **5. Starting Date:**

April 1, 2024 or the earliest possible date thereafter (adjustable according to individual requirements)

## **6. Term:**

From the day the candidate takes the position (negotiable) to March 31, 2027.  
In and after the following year, the contract can be renewed annually depending on achievements.  
Initial probationary employment period: six (6) months

## **7. Job Descriptions:**

Development of high-dimensional data analysis methods based on statistics, topology, or nonlinear dynamical systems, and applied research of it to biology. This work will be carried out as part of the research on AMED-CREST "Elucidating cellular and molecular mechanisms of Tfh2 response in allergy in human infants and toddlers" (PI: Hideki Ueno, Kyoto University) and JST fusion oriented research for disruptive science and technology "Construction of cell atlas via multilayer decomposition of single-cell dynamics" (PI: Yusuke Imoto, Kyoto University).

## **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.

## **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, 2024, then must submit their application by February 4, 2024.**

## **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](mailto: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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