

Call for Applications: Program-Specific Assistant Professor, Mathematical Biology and Medicine Group (Seirin Group)

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

29 September 2021

Japan's Ministry of Education, Culture, Sports, Science and Technology (MEXT) recently selected the Institute for the Advanced Study of Human Biology (ASHBi) for participation in the World Premier International Research Center (WPI) Program, establishing it 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 Assistant Professor in the laboratory of Professor Seirin-Lee (Mathematical Biology and Medicine Group). Details as follows.

1. Job Titles:

Program-Specific Assistant professor

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 the related fields and ability to supervise postdoctoral fellows and graduate students.
3. The candidate should have expertise in mathematical modeling and an excellent research record in one of the fields of applied mathematics, including mathematical biology, quantitative biology, or data science.
4. An applicant will have the ability to manage their own academic research and associated activities.
5. An applicant will possess sufficient specialist knowledge to engage with and develop interdisciplinary projects within ASHBi
6. An applicant will possess excellent communication skills including the ability to write for publication, present research proposals and results, and represent the Seirin group at meetings.

5. Starting Date:

April 1, 2022 or the earliest possible date thereafter (adjustable according to individual requirements)

6. Term:

Five (5) years in principle (From the starting date to March 31, 2023. The employment contract is for one year, and is renewable annually.)

Initial probationary employment period: six (6) months

7. Job Descriptions:

ASHBi will investigate the core concepts of human biology with a focus on genome regulation and disease modeling, creating a foundation of knowledge for developing innovative and unique human-centric therapies. ASHBi invites applications for the position of Assistant Professor in the Mathematical Sciences with the ability to accelerate the execution of the mission of the center. The Seirin Group uses mathematical modeling and applied mathematics as basic tools to create multifaceted data-driven and model-driven approaches to solve and clarify various problems in the life sciences and clinical medicine. We are looking for researchers who specialize in mathematical modeling in a wide range of life science fields (developmental and cellular biology, immunology, etc.). In addition, we are looking for a person who is willing to participate in the JST CREST Mathematical Information Platform: Research Project "Creation of Mathematical Medicine System Linking Form Geometry and Skin Diseases" (Representative: S. Seirin-Lee). However, it is not required whether you have experience in immunology or dermatology in your previous research.

8. Working Conditions:

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

November 1st , 2021

13. Evaluation Procedure:

Submitted applications will be reviewed, if necessary followed by interviews for short-listed candidates.

14. Application Method:

Application documents must be prepared in English according to the "**Application Guidelines**", and submitted as email attachments.

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. Responses and applications from female researchers are highly welcomed.

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

Application Guidelines

Follow the instructions below to prepare and submit your application. Write in English, and use a 10.5 point font or larger. You may include photographs or charts in color or black and white. Please submit your application via email.

Deadline: November 1st, 2021

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

(Related documents should be sent as email attachments)

Applications with serious deficiencies and/or false information will not be evaluated.

1. Basic Information (CV)

- (1) Name
- (2) Home Address and Contact Information (phone, email, etc.)
- (3) Recent Photograph
- (4) Date of Birth, Age, and Gender
- (5) Academic Degree (including date of acquisition)
- (6) Nationality
- (7) Current Appointment (your current affiliation, department, and position)
- (8) Education (begin with high school and list education)
- (9) Professional Experience
- (10) Awards
- (11) Position Sought (host research group name, job title)
- (12) Contact details of two (2) references (name, affiliation, position, address, e-mail address)

2. Summary of research conducted up to present (within 2-3 pages of A4 paper)

3. Research Proposal (within 1-2 pages)

Concisely describe the research objectives to be achieved during your time at ASHBi, focusing on the unique ideas and methods you will use to reach them.

4. Reasons for applying for ASHBi (within 1-2 page)

1. Why are you applying to ASHBi?
2. Explain how you will contribute to furthering the research activities at Seirin's group.

5. List of Publications/Grants

Describe your academic publications in reverse chronological order, including published papers, books, invited lectures, awards, patents, etc. Mark three (3) major research papers and attach reprints of the papers. Describe the grants you obtained.

Contact

Email: ASHBi-recruit@mail2.adm.kyoto-u.ac.jp

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