

# **Call for Applications: Program-Specific Researcher (Postdoctoral Fellow), Developmental Biology Group (Alev Lab)**

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

August 6<sup>th</sup> 2020

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 Researcher (Postdoctoral Fellow) in the laboratory of Associate Professor Cantas Alev (Developmental Biology Group) at ASHBi. Details 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 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 the ability to supervise undergraduate and graduate students
3. The candidate should have the ability to develop and manage his/her research projects
4. He/she has excellent time management and organizational skills
5. He/she has high-level communication skills in English

## **5. Starting Date:**

October 1<sup>st</sup> 2020 or the earliest date thereafter (adjustable according to individual requirements)

## **6. Term:**

From the day you take the position (negotiable) to March 31<sup>st</sup> 2021.

In and after the following year, the contract can be renewed annually depending on achievements until

March 31<sup>st</sup> 2024. Initial probationary employment period: six (6) months

## **7. Job Descriptions:**

The laboratory of Associate Professor Cantas Alev, M.D., Ph.D. at the Institute for the Advanced Study of Human Biology (ASHBi), Kyoto University, is working on the in vitro reconstitution and analysis of human and non-human amniote early embryonic development utilizing a combination of classical embryology and pluripotent stem cell based in vitro model system. We are especially interested in the in vitro recapitulation of mesoderm formation and patterning (i.e. in vitro gastrulation), mesodermal organogenesis and mesoderm-driven morphogenetic processes, including endodermal and ectodermal organogenesis and tissue formation from human and non-human pluripotent stem cells (ESCs/iPSCs). In collaboration with other scientists at ASHBi our lab aims to establish novel scientific concepts and disruptive technologies in the field of in vitro organogenesis and synthetic embryology, with the overall goal to increase our still limited understanding of human evolution, development and disease.

We are looking for talented and enthusiastic new members who share our labs interests in synthetic developmental biology and in vitro organogenesis, and who have experience with e.g. high-content 3D/4D imaging, single cell RNAseq (and other –omics type) analysis, stem cell biology and “organoid” technologies, CRISPR/Cas9-based genome editing techniques, optogenetics, microfluidics, bioengineering and biomaterials, and/or classical embryological model systems.

This is an excellent opportunity to contribute to the establishment of advanced tools and novel experimental model systems in the emerging field of synthetic embryology and in vitro organogenesis, while addressing exciting & inspiring questions on early human and non-human embryonic development. Please apply if you want to be part of our dynamic and diverse inclusive international research team.

## **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:**

Open until the positions are filled.

**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](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. 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:** Open until the positions are filled  
**Submit by email to:** [ASHBi-recruit@mail2.adm.kyoto-u.ac.jp](mailto: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. Research Proposal (within 5 pages)

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

### 3. Reasons for applying to the Alev-Lab at ASHBi (within 1 page)

1. Why are you applying to the Alev Lab at ASHBi?
2. Explain how you will contribute to furthering the research activities at the Alev Lab and ASHBi in general.

### 4. List of Publications/Grants

Describe your publications in reverse chronological order, including published papers, books, invited lectures, awards, patents, etc. Describe the grants you obtained.

### Contact

Email: [alev.cantas.8m@kyoto-u.ac.jp](mailto:alev.cantas.8m@kyoto-u.ac.jp) or [ASHBi-recruit@mail2.adm.kyoto-u.ac.jp](mailto:ASHBi-recruit@mail2.adm.kyoto-u.ac.jp)  
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