

Announcement for Project Researcher Position

Laboratory for Quantitative Biology in Institute of Industrial Science, The University of Tokyo, invites applications for postdoctoral researcher posts on projects that combine quantitative data analysis with mathematical modeling for understanding biological processes and their information processing.

1. Job title/recruitment number: Project Researcher (Postdoctoral Fellow)/ maximum 2

2. Working style: Full-time (Fixed-term Project Academic and Administrative Staff)

3. Location: Laboratory for Quantitative Biology, Institute of Industrial Science, The University of Tokyo

4. Place of Work: 4-6-1, Komaba, Meguro-ku, Tokyo, 153-8505, Japan.

5. Job Description:

The successful candidate(s) are supposed to engage in the following projects:

- (1) Understanding how biological systems decode information conveyed by complex mixtures of chemical compounds (olfaction, immunity, & signaling network)
- (2) Understanding adaptive behaviors of biological systems by information physics.
- (3) Deciphering cellular state and prediction of its dynamics by live-cell-omics technology.

You may find additional information about the projects from below:

https://yaqbio.crmind.net/news/recruitment2020_12_eng

6. Eligibility

The successful candidate(s) should have either completed in the last five years or being close to completing their PhD before starting their appointment. The successful candidate(s) will be able to demonstrate an excellent track record of independent research and strong publication as well as good communication skill in English.

Essential skills include either machine learning or mathematical modeling, as well as excellent programming skills. PhDs in applied math, physics, bioinformatics, computer science, and engineering may have affinities to our projects. Previous experience in biology will not be presumed but will be considered an advantage.

We welcome applicants who are passionate about integration of machine learning and mathematical modelling for understanding biological systems.

7. Contract Term: As early as possible after April 1, 2021 (yet, still negotiable)

*The first-year contract will be ended on March 31, 2022. The contract is renewable on a fiscal year basis (from April 1 to March 31; every year) according to the following relevant factors, such as budget status, progress of the work assigned, the amount of the work at the end of the term, applicant's performance, work record, and attitude, and applicant's medical conditions.

* Probationary period is 6 months from the date of arrival.

* Contract can start only after your arrival to the University of Tokyo without exception (see also item 17).

8. Wages and Compensations: To be determined in accordance with The University of Tokyo Regulations. A monthly payment of JPY300,000 or more, based on experience, achievements, etc., not exceeding JPY450,000 per month. (Including achievement allowance.) Commuting allowance is JPY55,000 per month at maximum. There is no pay raise system within the contract period.

9. Working days: Work 5 days a week (Monday to Friday)

* Day offs: Saturdays and Sundays; Statutory public holidays of Japan; Year-end and New Year holidays (December 29 through January 3).

* Leaves: Annual Paid Leave, Special Leave, etc.

10. Working hours: Discretionary labor system for professional work applies and working hours will be deemed as 7 hours 45 minutes per day, or 38 hours 45 minutes per week.

11. Social insurance: Eligible for MEXT* Mutual Aid Association membership, employees' pension, employment insurance, and workers' accident compensation insurance. (*MEXT: Japan's Ministry of Education, Culture, Sports, Science and Technology)

12. Application: In order for your application to be considered, please submit the following documents in either English or Japanese via Email:

(1) A cover letter, and a detailed curriculum vitae (your photo should be included).

(2) A list of publications and PDF files of your major publications (at most 3).

(3) Overview of research achievements to date (1 to 2 A4 sheets).

(4) Contact details of or recommendation letters from two academic referees.

*The successful candidate(s) will be required to submit curriculum vitae in the University of

Tokyo Standard Resume Format.

13. Application deadline: midnight (JST) on Friday, February 5, 2021

*Applications will be considered upon their arrivals.

*The opportunity will be closed when the position is filled.

14. Selection method: All applications will be screened, and only those qualified will be scheduled for an interview on Zoom.

15. Sending documents: Interested applicants should submit application materials in the PDF format via Email to: [tetsuya # sat.t.u-tokyo.ac.jp](mailto:tetsuya#sat.t.u-tokyo.ac.jp) (Please replace # with @ before using this email address). The title of Email should be “Application to Project Researcher Position”. We will send a receipt to applicants in two days.

Informal enquiries may be made to Dr. Tetsuya J. Kobayashi.

16. Recruiter Name: The University of Tokyo

17. Others:

- Personal information is handled carefully according to the Privacy Policy of the University of Tokyo, and will be used only for this job selection process.
- Submitted documents will not be returned.
- In case that the successful applicant(s) cannot enter Japan and cannot arrive at the University of Tokyo by the date specified in contract, the contract will be suspended until your arrival irrespective of the reason why they cannot enter Japan.