

## **JOB VACANCY ANNOUNCEMENT**

Project Researcher at Subaru Telescope (A), National Astronomical Observatory of Japan (NAOJ)

### **1. Job Title:**

Project Researcher (Project Research Fellow), two positions

### **2. Division:**

Subaru Telescope

### **3. Work Location:**

National Astronomical Observatory of Japan (NAOJ), Mitaka, Tokyo

### **4. Area of Expertise:**

Astronomy

### **5. Job Description:**

Subaru Telescope is commissioning a new facility instrument, Prime Focus Spectrograph (PFS). PFS is a massive fiber-fed spectrograph covering 1.25 square degrees with ~2400 fibers. The instrument is going to be used for Subaru Strategic Program as well as for open-use programs. As the PFS data is going to be massive and complex, an efficient processing pipeline is crucial. The PFS pipeline is being developed by a joint team of Princeton University, Subaru Telescope and University of Tokyo. The pipeline is rapidly evolving, but a lot of new issues have been discovered in recent commissioning observations. The pipeline will still be in an active development phase in the first few years of PFS science operations. Subaru Telescope thus aims to accelerate the pipeline development and calls for two post-doctoral researchers. These researchers are also expected to carry out scientific research using PFS data.

### **6. Terms of Appointment:**

The successful candidate is expected to start in April 2024. The term of employment will be until the end of March 2026 with a probation period of six months.

Note:

- (1) If the successful candidate had been employed as a National Institutes of Natural Sciences (NINS, which is an executive institute that manages NAOJ) within six months retroactively from the start date, the term will be set so that the total employment period does not exceed ten years.

- (2) Any researcher who has been employed as an NAOJ Project Research Fellow or a Researcher (Part-time contract employee) after April 1, 2004, for a total of five or more years is not eligible to apply for this position. If the total period is less than five years, the term will be adjusted to be five years in total.
- (3) Annual performance review will be conducted.

## **7. Labor Conditions:**

### **(1) Work Type and Work Hours:**

The Discretionary Labor System for Professional Work shall be applied.

(Standard work hours: 38.75 hrs/week, from 8:30 to 17:15 with an hour intermission)

### **(2) Holidays:**

Saturdays and Sundays, National Holidays, New Year holidays (December 29th – January 3rd), Paid days off (annual leave, summer holidays, etc.)

### **(3) Social Insurances:**

MEXT Mutual Aid Association (health insurance), Employees' Pension Insurance, Employment Insurance, Industrial Accident Compensation Insurance

### **(4) Remuneration:**

The project researcher will be employed under an annual salary system, and will receive a salary of 350,000 JPY per month. Commuting expenses (up to 55,000 JPY per month) will be provided. Retirement allowances are not provided.

### **(5) Others:**

- Day-care center for children (from 57 days old). \*Availability depends on the situation. Childcare staff does not provide English support.
- Smoking is prohibited on the premises excluding designated outdoor smoking areas.
- Travel and relocation costs to NAOJ will be covered, subject to the travel regulations of NINS (details must be arranged with the administration office).

## **8. Academic Requirements:**

- (1) PhD or equivalent in astronomy or related fields
- (2) Data processing skills using UNIX-based operation system
- (3) Programming skills in Python

## **9. Selection Process:**

A candidate will be selected through screening of application documents and interview (either face-to-face or online).

**10. Required Application Materials:** (\*To be prepared either in Japanese or English)

- (1) Curriculum vitae
- (2) Summary of your past research activities as well as your observation and data processing experience
- (3) List of publications (Separate refereed and non-refereed papers, and indicate all authors' names in the case of co-authored papers)
- (4) Plans for your future research
- (5) Contact information of two reference people

**11. Application deadline:**

**December 8, 2023, 12:00 (noon) (Japan Standard Time)**

**12. Submission:**

Applicants are required to apply via the NAOJ Nextcloud on the web.

- (1) Please access the following URL for registration:

<https://forms.office.com/r/XmUwLz3yq2>

- (2) After you submit the registration form, you will receive an email with URLs for uploading your application documents.
- (3) Please upload the application documents (10. (1) to 10. (5) above). These files must be in PDF (max 50MB each, 100MB in total, at most 10 files).
- (4) A confirmation of receipt will be sent to you within three working days. If you do not receive it, please contact us (see the contact information below).

**13. Contacts:**

If you have any question about the job description, please contact Naoyuki Tamura and Masayuki Tanaka

E-mail: naoyuki\_AT\_aoj.org, masayuki.tanaka\_AT\_ao.ac.jp (replace \_AT\_ with @)

Other questions should be directed to:

E-mail: job11-pjt-researcher1\_AT\_ao.ac.jp (replace \_AT\_ with @)

**14. Remarks**

- Information in your application documents will not be used for any purpose other than the selection process and for contacting you with necessary notices in connection with the selection. Once the selection process is complete, we will securely dispose of all application documents and personal information, except for those submitted by the successful candidate.
- The expense for the interview will not be covered by NAOJ.

- Project research staffs are eligible to apply for the Grants-in-Aid for Scientific Research (KAKENHI).
- Policy for Equal Employment Opportunity: Abiding by the Equal Employment Opportunity
- Act for Men and Women, NAOJ is committed to the realization of a society with gender equality. If two candidates are deemed equal in their performance evaluation, NAOJ will take positive action to employ women. If you have taken a leave(s) such as for maternity, childcare, and/or family care, please indicate it in your curriculum vitae. We will consider it when assessing your performance. For details, see <https://www2.nao.ac.jp/~open-info/gender-equality/en/>.

#### **15. Name of recruiter**

Inter-University Research Institute Corporation, National Institutes of Natural Sciences (NINS), National Astronomical Observatory of Japan (NAOJ)