

## JOB VACANCY ANNOUNCEMENT

- Project Research Fellow on Annual Salary System (Stellar Evolution in Early Universe)  
(Division of Science) –

1. Job Title: Project Researcher (Postdoctoral Fellow), one position

2. Division and Location: Division of Science, NAOJ, Mitaka, Tokyo 181-8588, Japan

3. Area of Expertise: astronomy and/or related fields

### 4. Job Description:

The Division of Science was established in April 2019 as a new division of NAOJ. It aims to develop new fields of growth in natural sciences for further advancement of astronomy by leveraging strategies. We invite applications for a project research staff (postdoc) who will conduct research on stellar evolution and their consequence in the early universe mainly with Dr. Takashi Moriya, Dr. Masami Ouchi, Dr. Tomoya Takiwaki, Dr. Nozomu Tominaga, and Dr. Koh Takahashi at Division of Science. A successful candidate is expected to work on stellar evolution with a focus on low-metallicity multiple systems and quantify their effects on highly ionized elements observed at high redshifts, reionization, formation of double compact binary systems, nucleosynthesis, and/or supernovae in the early universe. The successful candidate is expected to work together with theorists and observers at the Division of Science by modeling stellar evolution and comparing the models with major observational results.

### 5. Term of Appointment:

(1) The successful candidate is expected to start the job on September 1, 2023 or as early as possible after September 1, 2023.

(2) The term of employment will be three years, including the probation period of six months. Annual performance review will be conducted. If the successful candidate had been employed by the 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. If the successful candidate had been employed as an NAOJ Project Researcher (including Project Research Fellow) or a Researcher (Part-time Contract Employee), the term will be set so that the total accumulated period of employment does not exceed five years.

### 6. Minimum Educational Requirement:

The applicant must have a PhD degree or is expected to have it by the starting date.

7. Closing Date for Application: 12:00(noon), June 30, 2023 (Japan Standard Time)

8. Required Application Materials: (\*To be prepared in English)

- (1) Curriculum vitae,
- (2) List of publications (Separate refereed and non-refereed papers and provide individual citation counts from ADS),
- (3) Summary of past research activities,
- (4) Outline of research plans,
- (5) Anticipated starting date of the job appointment,
- (6) Two reference letters.

Please ask your references to upload the letters directly to the NAOJ job application system shown in 10 before the deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.

9. Selection Process: Qualified candidates who will proceed into the final selection may be interviewed by the selection committee either via the internet or in person. The expense for the interview will not be covered by NAOJ.

10. How to Submit an Application:

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/JJdRR17cG1>

- (2) After you submit registration form, you will receive an email showing the URLs for (a) uploading your application documents, and (b) for your reference letter.
- (3) Please ask your reference to upload the letter via the URL (2)(b).
- (4) Please upload the application documents (from 8. (1) through 8. (5) above) via the URL (2)(a). These files must be in PDF format (max 50MB each, 100MB in total, at most 10 files).

11. 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),

Annual paid leave (20days: to be prorated for the first year), Summer holidays (3 days)

- (3) Social Insurances:

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

(4) Remuneration: The project research staff will be employed under an annual salary system, and will receive a salary proportionate to the pay grades of a national university assistant professor or NAOJ Project Research Fellow (paid monthly in 12 equal payments). Salary will be reviewed every fiscal year according to the results of performance reviews. Commuting expenses (up to 55,000 JPY per month) will be provided. Bonus and 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).

12. Contacts: If you have any questions, contact;

Dr. Takashi Moriya, Division of Science, NAOJ

E-mail: takashi.moriya\_AT\_nao.ac.jp (replace \_AT\_ with @)

If you have any question related to the job application system or other items, contact,

E-mail address: z-appl-11\_AT\_nao.ac.jp (replace \_AT\_ with @)

Subject of e-mail: "Question on Project Research Staff of Division of Science (Dr. Moriya's Group), NAOJ Dr. Takashi Moriya, Division of Science, NAOJ

13. Remarks

- 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. For details, see

<https://www2.nao.ac.jp/~open-info/gender-equality/en/>

- Information submitted 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.

14. Name of recruiter

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