

JOB VACANCY ANNOUNCEMENT

- Assistant Professor, National Astronomical Observatory of Japan (NAOJ)

NAOJ has a position open for assistant professor who leads the science strategy and operation of the Prime Focus Spectrograph (PFS) of Subaru Telescope. We expect applications from scientists who are willing to actively take on new challenges in this field.

1. Job Title: Assistant Professor, one position

2. Division and Location: The Subaru Telescope, NAOJ, 650 North A'ohoku Place, Hilo, Hawaii 96720, USA, or Mitaka Campus, Tokyo, Japan.

3. Area of Expertise: Optical and Infrared Observational Astronomy.

4. Job Description:

The National Astronomical Observatory of Japan (NAOJ) has been playing a key role in the forefront of astronomical research worldwide, as demonstrated in the construction and operation of large-scale astronomical facilities such as Subaru Telescope, ALMA, and TMT (Thirty-Meter Telescope) in the effort to promote cutting-edge astronomy utilizing these advanced telescopes.

The Subaru Telescope, an 8.2m optical infrared telescope atop Maunakea in Hawaii, has been in operation since 1999. It has produced remarkable science results in various fields of astronomy including galaxy formation and evolution, cosmology and large-scale structure of the universe, exoplanet science, planetary science, and so on. Subaru Telescope will enter to the new stage “Subaru 2” from 2022. We enforce the observation power of the telescope with PFS (Primary Focus Spectrograph), ULTIMATE-Subaru (GLAO (Ground Layer Adaptive Optics) assisted near-infrared wide field imager and spectrograph), and other new cutting-edge instruments.

The PFS is an upcoming key instrument, which enhances wide-field capability of the Subaru Telescope. It is a fiber-fed, multi-object spectrograph that enables us to take spectra of about 2400 objects in $\Phi 1.3^\circ$ field-of-view simultaneously in the wavelength ranging between 0.38 and 1.26 μm . The PFS is now under development by an international collaboration led by Kavli IPMU.

We invite applications for an assistant professor position for the PFS project at Subaru Telescope. The successful candidate for this position is expected to: 1) lead the commissioning, science verification and science operation of the PFS in collaboration with the PFS Project Office of Kavli IPMU, 2) develop the science strategy including large survey programs based on the international collaboration of the PFS, 3) promote his/her own research activities on related science fields, and 4)

foster young scientists including PhD students. In addition to these main roles, the successful candidate is also expected to contribute to develop future astronomical science projects of Subaru2 in cooperation with the Science Officer of Subaru Telescope.

5. Terms of Appointment:

The successful candidate should be able to start working at NAOJ as soon as reasonably possible after the job offer has been accepted. The term of the contract will continue up to the end of the Japanese academic year in which the faculty reaches NAOJ's mandatory retirement age of 65. The probation period of 6 months is included. A review for the continuation of employment as an assistant professor will occur during the fifth year. In case that the review may result that the successful candidate couldn't have fulfilled duties as an assistant professor enough, the successful candidate would be requested to transfer to another position within NAOJ.

6. Qualifications:

- (1) Minimum Educational Requirement: Ph.D. or equivalent;
- (2) To have scientific experience and skills in the field of optical and infrared astronomy; and
- (3) Other Requirements: To have sufficient English language proficiency to take part in scientific/technical discussions in face-to-face meetings, video conferences and teleconferences.

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

- (1) A cover letter;
- (2) A curriculum vitae;
- (3) Publications list (Separate refereed and non-refereed papers. SPIE and COSPAR can be included in refereed papers.);
- (4) A summary of your past research activities including international collaborations;
- (5) Your commitment and plan to fulfill the duties (including your research plan as needed);
- (6) Three or more reference letters. Reference letters should be written by faculty/staff with tenured positions. Reference letters from multiple countries are preferred. Please ask your references to upload their letters directly using the URL indicated in 9 before the application deadline. Applicants are responsible for ensuring that the letters are submitted before the application deadline.
- (7) Your contact easily reachable (e-mail and phone), and the email address of your current supervisor or line manager.

8. Application Deadline:

2022-06-17th, Friday, 12:00 (Japan Standard Time)

9. Submission:

- (1) Applicants are required to apply via the NAOJ Nextcloud on the web. Please access the application form at the following URL:

<https://forms.office.com/r/C2busR74a0>

After you submit the initial form, you will receive an email showing the URLs for (a) uploading your application documents, and (b) for your reference letters.

Once you get the URL for your application documents, please upload the files corresponding to the documents (1) through (6) stated in 7. These files must be in PDF format (max 50MB each, 100MB in total, at most 10 files).

Please ask your references to upload their letters via the URL you receive for this purpose.

- (2) If you have any question related to the job description, contact;

E-mail address: satoshi_AT_aoj.org (replace _AT_ with @)

Satoshi Miyazaki, Interim Director of Subaru Telescope, NAOJ

Subject of e-mail: "Question on Assistant Professor at Subaru Telescope"

- (3) If you have any question related to the other items, contact,

E-mail address: apply-Subaru-assisprof20220617_AT_ao.ac.jp (replace _AT_ with @)

Subject of e-mail: "Question on Assistant Professor at the Subaru Telescope"

10. 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 8:00 to 16:45 (Hilo) or from 8:30 to 17:15 (Mitaka) with an hour intermission)

- (2) Holidays:

Saturdays and Sundays, Holidays set by NAOJ (Hilo) or National Holidays (Mitaka), 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:

Salary: The amount of an annual salary shall be determined based on the school career and job experiences in accordance with the NINS regulations (NINS, or the National Institutes of Natural Sciences, is an executive institute that manages NAOJ). The payment will be made monthly in 12 equivalents.

Allowances: Dependent allowance, residential allowance, commutation allowance, and the other allowances will be paid when the requirements based on the NINS regulations are all filled. The equivalent of the term-end allowance and the diligence allowance shall be included in the annual salary.

Salary Increase: Once a year in accordance with the performance evaluation

Retirement Allowance: Shall be paid

(5) Other:

Travel and relocation costs to NAOJ will be covered, subject to the travel regulations of NINS (details must be arranged with the administration office).

11. Remarks

- Candidates selected in the final short list may be interviewed by the selection committee either via internet or face-to-face. The expenses incurred for the interview will not be covered by NAOJ.
 - NINS Employee Regulations shall be applied to this position.
 - Smoking is prohibited on the premises excluding designated outdoor smoking areas.
 - 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, child care, and/or family care, please indicate it in your curriculum vitae. We will consider it when assessing your performance.
- For further information about NAOJ's efforts to achieve a gender equal society, 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.

12. Name of recruiter

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