

## Recruitment Announcement for Project Assistant Professor (Employee on Annual Salary System) at Division of Science

### 1. Position:

Project Assistant Professor (Employee on Annual Salary System)

2. (1) Division: Division of Science, National Astronomical Observatory of Japan

(2) Work Location: 2-21-1 Osawa, Mitaka, Tokyo, Japan

3. Field: Astronomy and related fields

### 4. Job Description:

The Division of Science at the National Astronomical Observatory of Japan invites applications for a Project Assistant Professor position. The successful candidate will work with Prof. Ryohei Kawabe at NAOJ, co-investigator of the research project titled “Research of Cosmic Star Formation History via blind line emitter galaxies at millimeter (mm) and sub-mm wavelengths” (PI: Prof. Kotaro Kohno at the University of Tokyo), based on the JSPS Grant-in-Aid for Scientific Research (S). In this research, we are planning to develop an innovative instrument, i.e., ultra-wide band imaging spectrograph (DESHIMA Array, i.e., “MOSAIC”) using KID device which is to be installed into the ASTE 10-m telescope in Chile or the LMT 50-m telescope in Mexico.

The duties and responsibilities for this position will include the following:

- to develop calibration strategy of data from the imaging spectrograph
- to develop observing strategy and data reduction tools
- to conduct engineering tests and scientific commissioning on the ASTE or the LMT

The successful candidate will also be expected to perform her/his own scientific research using mm/sub-mm telescopes, etc. along with these duties.

5. (1) Start of Employment: As soon as reasonably possible on or after October 1, 2019

(2) Term of Employment: 2 years and half (From October 1, 2019 to March 31, 2022)

### 6. Qualifications:

The applicant shall have the following qualification and capabilities:

- (1) Doctoral degree or equivalent

(2) Knowledge in astronomy, past experience in radio observation and/or development and commissioning of equipment for radio observation

7. Required Application Documents:

(1) Curriculum Vitae

(2) List of research papers (separate refereed and non-refereed papers and the role of the applicant for each)

(3) Research activities (describe your research achievements in astronomy, focusing primarily on actual experiences and accomplishments in relation to the research, development, commissioning, and operation of the radio telescope and other observational instruments)

(4) Outline of research plans for this position (describe your commitment and policies towards the development and commissioning of the DESHIMA Array in addition to your personal research plans)

(5) Name and e-mail addresses of two reference persons

(6) Your Prompt Contact information (your e-mail address)

8. Application deadline: Friday, June 14, 2019 at 17:00 JST

9. Application submission and inquiries:

Send your application documents by e-mail to:

E-mail: ryo.kawabe\_AT\_ao.ac.jp (replace \_AT\_ with @)

For inquiries: Prof. Ryohei Kawabe, Division of Science

E-mail: ryo.kawabe\_AT\_ao.ac.jp (replace \_AT\_ with @)

Tel: +81-0422-34-3900 (ex 3129)

10. Notes for Application:

- Convert all application documents into separate PDF files and send via e-mail.
- Make PDF files with appropriate resolution so that they would not be too large (file size: up to 10 MB).
- Upon receipt of your application, you will receive a confirmation e-mail within three working days. If you do not receive any response from NAOJ, please notify the above e-mail address.

11. Remarks:

- The Project Assistant Professor will be employed under an Annual Salary System, and will receive a salary proportionate to the pay grades of a national university assistant professor (paid monthly in 12 equal payments).
- Final selection will be made by the NAOJ Advisory Committee for Research and Management.
- 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 <http://open-info.nao.ac.jp/danjokyodo/>