

Project Research Fellow (Postdoctoral position) at NAOJ on high-mass star formation (ALMA-IMF)

Applications are invited for a Project Research Fellow (postdoctoral position) at the National Astronomical Observatory of Japan (NAOJ) to work with Patricio Sanhueza (funded by KAKENHI; Grants-in-Aid for Scientific Research).

For the details of the KAKENHI, see the link below:

<https://kaken.nii.ac.jp/en/search/?kw=%E3%82%B5%E3%83%8C%E3%82%A8%E3%82%B6>

The Project Research Fellow will be based in ALMA Japan (division of NAOJ Chile Observatory at Mitaka, Tokyo, Japan).*

The successful candidate will be 100% dedicated to science and will mostly work on the first ALMA large program focused on high-mass star formation (ALMA-IMF).

Candidates with experience/interest in any of the following topics will have priority:

- 1.- Dust continuum emission and algorithms to define/extract information from cores.
- 2.- Molecular outflows.
- 3.- Filaments and large-scale inflows.
- 4.- Hot cores, complex molecules (chemistry), and recombination lines.
- 5.- Interferometry (ideally experience with ALMA data and CASA).
- 6.- Magnetic fields.

The Project Research Fellow is a full-time position (38h45min working hours/week) employed under the scheme of the annual salary system of NINS. The fellow will receive a monthly salary of 350,000 JPY plus compensation for commuting expenses. This appointment at NAOJ is for a one (1) year, non-renewable fixed term period, regardless of any availability of funds under any external funding sources. If the applicant had been a project research fellow at NAOJ before, then the term will be set so that the total period of employment at NAOJ does not exceed five years. The starting date is negotiable, but as soon as possible from October 1st, 2018.

The applicant may be eligible for further employment at a new institution for the remainder of the KAKENHI grant period (up to March 31st, 2021). However, this employment shall be contingent upon the employment status of the PI, and NAOJ does not make any promises or guarantee of any kind, whether express or implied,

as to any matter pertaining to the applicant's employment after the one (1) year employment term at NAOJ.

Travel expenses for a new assignment at NAOJ will be covered based on the travel regulations of NINS. Travel expenses can be available for conferences and/or visits to other ALMA-IMF members. During the appointment at NAOJ, the fellow has the option to apply for government housing, which may be cheaper than normal renting.** Publication charges can be provided by NAOJ under its rules.

The candidate must have a PhD degree in Astronomy (or equivalent in a relevant field) or expected to obtain the PhD by the time of the appointment. Interested candidates should submit:

- (1) Cover letter (1 page). Indicate here a possible starting date and the name of the recommenders
- (2) Curriculum Vitae
- (3) Publication list. List the names of all authors
- (4) A summary of research activities in the past
- (5) Statement of research interests (mostly focused on ALMA-IMF)
(4) and (5) combined should not be longer than 4 pages
- (6) Two recommendation letters (must be sent directly by the person recommending to [patricio.sanhueza AT nao.ac.jp](mailto:patricio.sanhueza@nao.ac.jp) (replace _AT_ with @) before the deadline).
* Make PDF files with appropriate resolution so that they would not be too large (file size: up to 10MB)

Except for the letters of recommendation, please make a single pdf file with all documents and send it to [patricio.sanhueza AT nao.ac.jp](mailto:patricio.sanhueza@nao.ac.jp)
A confirmation email should be received within 3 days.

The application deadline is 23:00JST, June 29th, 2018.

For further information and inquires please contact Patricio Sanhueza and visit the website below.

http://alma-intweb.mtk.nao.ac.jp/~patricio/Job_opening.html

Application documents will be used only for the purpose of the selection of this position, and those documents of the applicants other than the successful candidate will be discarded.

NAOJ is promoting equal opportunities for women in the workplace.

<http://open-info.nao.ac.jp/danjokyodo/>

*This is a “Contingent on Funding” appointment, where the continuation of employment is based on the availability of external funding sources.

**NAOJ does not offer any housing guarantees, and shall not be held responsible for accommodation, including but not limited to availability of government housing, or any particular rental rates.