

**INAF – ISTITUTO DI RADIOASTRONOMIA  
Bologna (ITALY)**

**International Post-Doctoral Fellowship  
08/2012/IRA/AR**

*SUBMISSION ADDRESS:*

*The Director*

*INAF – Istituto di Radioastronomia*

*Via P. Gobetti 101*

*I-40129 Bologna*

*Italy*

The Italian node of the European network of ALMA Regional Centres (ARCs) intends to award a post-doctoral fellowship in the field of interferometric millimeter astronomy. The Italian ARC is hosted by the Istituto di Radioastronomia in Bologna, facilitating collaborations in various fields of astrophysics.

ALMA has recently entered the phase of Early Science, during which it operates with a limited number of antennas and receivers; it is expected to become fully operational in 2013. The fellow is expected to carry out a research program in the field of radio and/or (sub)millimeter astronomy, related to the scientific mission of ALMA. They are furthermore expected to participate in the service activities of the Italian ARC, which involves helping potential ALMA users preparing proposals with the Observing Tool (OT) and providing face-to-face support with data reduction if required; to participate in regular data reduction work sessions with other nodes in the network, test new releases of the OT and the CASA data reduction software, and to be involved in the development and testing of other ALMA-related software. The fellow is also expected to participate in community-building activities, through seminars, workshops, and schools.

We are looking for candidates with a Ph.D. in Astronomy, with a background in millimetre or radio interferometry. Fluency in English is required. Preference will be given to candidates who have a strong publication record in IR, and/or mm-astronomy; have expertise in observational mm-astronomy and data reduction; are familiar with ALMA-related tools (e.g., CASA, OT); participate in scientific projects that have requested the use of ALMA or other mm-facilities; have knowledge of programming languages such as C++ and Python.

The position will initially be for 1 year. A second and third year are possible, depending on performance and the availability of funding. The gross annual salary will be 28.000 Euro, and includes contributions to a pension fund but no medical insurance.

Applicants should send a curriculum vitae, publication list, and a statement of research interests, to the above submission address, **via registered post**. No E-mail submission of the application can be accepted (Italian bureaucracy regulation). Please write the Fellowship code (08/2012/IRA/AR) on the envelope. They should also arrange for two letters of recommendation to be sent separately to the same address. For these, E-mail submission **is** accepted (please use [concorsi@ira.inaf.it](mailto:concorsi@ira.inaf.it)). When applying, please use the forms A and B, which are provided with this call.

Applications should be sent to the Istituto di Radioastronomia no later than July 15, 2012. The date of the postmark will be considered proof. The preferred starting date is September 1, 2012 but

is negotiable.

Information on the activity of the Istituto di Radioastronomia and, in particular, of the ALMA Regional Centre may be found on the web pages <http://www.ira.inaf.it> and <http://www.alma.inaf.it>

**Application deadline: July 15, 2012**

Contact person:

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