

# Post-Doc position

## Non-thermal emission in galaxy clusters with SKA precursors and pathfinders

Supervisor: Annalisa Bonafede



European Research Council  
Executive Agency



ALMA MATER STUDIORUM  
UNIVERSITÀ DI BOLOGNA

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**We are offering 2 1-year Post Doc position at the University of Bologna to study the non-thermal emission from galaxy clusters with the SKA precursor and pathfinders (LOFAR, MeerKAT, ASKAP, MWA)**

### **Requirements and preferred titles**

The ideal candidates should have a master degree in astronomy or physics, a previous experience as PhD student, and as a Post Doc already. A good knowledge of the non-thermal phenomena in extragalactic objects, and experience with radio interferometric observations in total intensity and polarisations will be positively evaluated.

### **Research context:**

These postdocs are part of a larger project DRANOEL (*Deciphering RAdio NOn-Thermal Emission on the Largest-scale*) financed by the European Research Council (ERC-2016-STG 71425). The Post Docs will work in close contacts with the other group members and will be part of the LOFAR cluster group within the Survey key science project and magnetism key science project.

The Post Docs will have privileged use of state-of-the-art computing facilities and early access to large survey data from LOFAR. The successful candidate will be part of the LOFAR collaboration, which includes hundreds of scientists across the European continent. Funding for travel to attend and present at domestic and international meetings are available.

The University of Bologna offers a diverse and rich research environment. The astronomy group is located in a campus together with two departments of the Italian institute for astrophysics - INAF - (IRA - radio astronomy institute and Astrophysical observatory).

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For more information, contact  
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