



ISTITUTO NAZIONALE DI ASTROFISICA
OSSERVATORIO DI ASTROFISICA E SCIENZA DELLO SPAZIO DI BOLOGNA

Job Announcement

1(+1) - year postdoctoral fellowship at INAF - OAS (Osservatorio di Astrofisica e Scienza dello Spazio di Bologna) on:

High redshift galaxies on gravitationally-lensed and blank fields

Research Project

The successful candidate will work on the analysis of data drawn from various proprietary programs and from archive, obtained from ground-based facilities (e.g., VLT/MUSE and X-Shooter) and space-based (e.g., Hubble Space Telescope), both aimed for the study of high redshift galaxies along the cosmic epochs, in the framework of cosmic ionization (reionizers and/or analogs) and the identification of star-forming regions on small scales (<500 pc, clumps). This includes the search for star clusters, made it possible thanks to gravitational lensing.

Eligibility

Applicants should have a PhD degree in Physics or Astronomy. Previous experience on experience on data analysis (and possibly data reduction) of spectroscopic data (e.g., MUSE and X-Shooter, multi-object spectroscopy), knowledge of ground and space-based multi-band photometric data, including possible knowledge of tools for photo-ionisation modelling will be an advantage. Good knowledge of English is required.

The appointment is expected to begin in January 2021, the exact initial date could be reasonably discussed and will be for one year in the first instance, and renewable afterwards, subject to funding availability and performance review. The net monthly salary is around 2,300 Euros.

Prospective candidates are encouraged to contact Dr. Eros Vanzella (eros.vanzella@inaf.it) for any question and/or additional information.

The deadline for sending applications is **November 10, 2020**, see the next page for information on the application procedure. By the same date, the candidate should arrange **reference letters** to be e-mailed to inafoasbo@postecert.it.



Application procedure

Applications must be sent via e-mail to: inafoasbo@postecert.it. In the email subject the applicant should make explicit reference to: “**Studio di galassie ad alto redshift amplificate da telescopi cosmici e non**”

The application must include:

- the Application Form (see Annex A)
- a Self-certification Form (see Annex B)
- desired platform for the possible interview (see Annex C)

Any question on how to fill the annexes A, B and C can be addressed to eros.vanzella@inaf.it.

As detailed in Annex A, the applicant also needs to attach:

- 1) a curriculum vitae (**dated and signed**);
- 2) Documentation that provide evidence of possession of the skills required to carry out the research and including a list, if applicable, of grants and fellowships held in the past, according to Artt. 1 and 2 of the Call;
- 3) a self-declaration about PhD degree, including title of PhD dissertation, academic organization that released the degree, and date of achievement;
- 4) a list of scientific publications that are relevant for the fellowship (optionally attach copy of those not listed on ADS);
- 5) any other work or publication the applicant deems useful;
- 6) copy of a valid identity document (ID card or passport);
- 7) a list of all presented documents;

Each of the above documents must be signed and dated. Note that the application will be rejected if incomplete and/or unsigned.