

## Job Announcement

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

*Scientific exploitation of X-ray AGN surveys and study of survey strategies for new X-ray missions concepts.*

## Research Project

The successful candidate will join the extragalactic X-ray group in Bologna and investigate the demography and cosmological evolution of AGN by means of X-ray surveys. He/she will also perform feasibility studies of AGN surveys by future X-ray missions. In particular he/she will simulate and devise observing strategies for mission concepts featuring large X-ray collecting areas that can be achieved through segmented mirror technology (STAR-X, AXIS, ...).

## Eligibility

Preference will be given to young researchers who obtained a PhD degree in Physics or Astronomy in the year 2014 or later. Previous experience on X-ray AGN surveys, multi-band source catalogs, and demography and evolution of AGN will be an advantage. Good knowledge of English is required.

The appointment is expected to begin between February and June 2019, and will be for two years in the first instance, and renewable afterwards, subject to funding availability and performance review. The net monthly salary is around 2,400 Euros.

Prospective candidates are encouraged to contact Dr. Roberto Gilli ([roberto.gilli@inaf.it](mailto:roberto.gilli@inaf.it)) for additional information.

The deadline for sending applications is **January 7, 2019**, see the next page for information on the application procedure. By the same date, the candidate should arrange for up to three reference letters to be e-mailed separately to [roberto.gilli@inaf.it](mailto:roberto.gilli@inaf.it).

## Application procedure

Applications must be sent via e-mail to: [inafoasbo@postecert.it](mailto:inafoasbo@postecert.it). In the email subject the applicant should make explicit reference to: “**Assegno Post Dottorato ASI-INAF missioni**”

The application must include:

- the Application Form (see Annex A)
- a Self-certification Form (see Annex B)

Instructions on how to fill Annexes A and B are given in the Instructions\_for\_Annex\*.pdf files.

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

- 1) a curriculum vitae (**dated and signed**);
- 2) a statement of past research activities that are relevant for the fellowship;
- 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) 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.