

## **JOB ANNOUNCEMENT DD 107/2022**

The Istituto Nazionale di Astrofisica – Osservatorio Astrofisico di Arcetri (INAF-OAA) is offering a two-year post doctoral position in ***“Fisica del mezzo interstellare e formazione stellare nell’Universo locale”***- (***“Physics of the interstellar medium and star formation in the local Universe”***).

### **RESEARCH PROJECT**

The project aim to understand the link between the process of star formation in resolved regions of galaxies and the local ISM physics (gas and dust) and dynamics for galaxies at different evolutionary stages.

### **ELIGIBILITY**

The appointment is expected to begin by June 30 2023 and will be for two years in the first instance, and renewable afterwards, subject to funding availability and performance review. The yearly gross salary is 28,000 Euros.

Prospective candidates are encouraged to contact:

Dr. Simone Bianchi [simone.bianchi@inaf.it](mailto:simone.bianchi@inaf.it) (INAF-OAA).

The deadline for sending applications is **February 15, 2023 – 11.59 p.m. (Italian time)**.

### **REQUIREMENTS**

- PhD in Physics or Astronomy or equivalent qualification awarded by public or private Universities, Institutions, Research Organizations or Centers or other qualified research bodies, both in Italy and abroad, in the topics relevant to the scientific and technological area and the research object of this call.

Or alternatively

- Master Degree in Physics or Astronomy or equivalent qualification, together with 3 years of documented experience, awarded by public or private Universities, Institutions, Research Organizations or Centers or other qualified research bodies, both in Italy and abroad, in the topics relevant to the scientific and technological area and the research object of this call.

With the sole scope of admission to this selection procedure, the equivalence of educational qualifications obtained abroad will be verified by the “Selection Committee” as of subsequent Art. 7, on the basis of documentation forwarded by the candidate as foreseen by Art. 3 of this “Call”, provided that, in case the candidate is the winner of the aforesaid procedure, the Administration will acquire the results of the verification performed by the “Selection Committee” and will forward them together with the documentation listed in Article 3, paragraph 2, letter a) or b) of the Decree n. 189 of the President of the Republic of 30 July 2009, plus the application of the candidate, to the Ministry of University and Research with the scope to acquire the opinion foreseen in Article 4, paragraph 2 of the

aforementioned Decree.

➤ **PREFERENCIAL QUALIFICATIONS:**

- Data analysis related to gas of emission from gas and dust in resolved galaxies;
- Analysis of spectral energy distributions of galaxies from UV to radio;
- Galaxy evolution in relation to their ISM and environment;
- Star formation from large to small scales;
- Dynamic models of disk galaxies

**APPLICATION PROCEDURE**

Applications must be sent via e-mail to: [inafoaarcetri@pcert.postecert.it](mailto:inafoaarcetri@pcert.postecert.it). In the email subject the applicant should make explicit reference to: **“Bando mezzo interstellare e formazione stellare - Domanda per assegno Post dottorato - DD n. 107/2022”**.

Applications must include the following Annexes **dated and signed**:

- the Application Form (Annex A);
- the self-certification Form (Annex B);

Two reference letters will be appreciated. Editors/contacts should address them by the deadline for application to: [inafoaarcetri@pcert.postecert.it](mailto:inafoaarcetri@pcert.postecert.it), reporting in the object of the mail: “DD n. 107/2022” and the name of the candidate they are referred to.

The applicant also needs to attach:

- 1) a copy of a valid identification document;
- 2) a curriculum vitae (**dated and signed**);
- 3) **if awarded outside Italy**, copy of academic qualifications and also transcripts in case of Master Degree;
- 4) a list of scientific publications;
- 5) any other work or publication the applicant deems useful;
- 6) a list of all submitted documents

Incomplete or unsigned applications will be rejected.