



SCUOLA  
NORMALE  
SUPERIORE

**ANNOUNCEMENT OF PUBLIC SELECTION FOR N° 1 GRANT FOR RESEARCH**  
**(Italian law 30 December 2010, n.240, art.22)**

**Description**

The Scuola Normale Superiore announces a selection, based on work to date, for a research contract named “*Characterizing the emission of galaxies in the Epoch of Reionization*” as part of the project “*A light in the dark: characterizing the emission of the first galaxies*”.

The successful applicant is expected to study the emission from galaxies in the Epoch of Reionization in order to make predictions that can guide incoming surveys of the high redshift Universe. By developing combinations of numerical and analytical radiation transfer models, the study aims at improving our knowledge on line and continuum emission from the first galaxies, by accounting for the internal structure of the interstellar medium and radiation field of high redshift galaxies, in order to explain the current issues that arise from the most recent Ultraviolet and Far Infrared observations. The fellow will work in the vibrant, international SNS environment, where s/he is expected to collaborate with various members from the SNS cosmology groups. Dedicated access to local HPC facilities of the SNS cosmology group will be granted.

Duration of the contract: 1 year, with possible renewal for one additional year (estimated starting: November 2021)

Gross remuneration, inclusive of all taxes: €30,000

Application deadline: the application must be registered online by 23.59 (Italian time) of 5 November 2021.

Applications received and registered online after the deadline, for reasons not attributable to the Scuola, will not be admitted to the selection.

Information about the selection procedure can be found below. Candidates are invited to read the official announcement (*Bando*) and to follow exclusively its detailed instructions should they decide to apply.

**Requisites**

Applications are invited from candidates who have completed a Master’s degree in Physics or Astronomy (in accordance with earlier Italian university regulations, or a second-cycle undergraduate degree as per the interdepartmental decree of 9 July 2009). Candidates who have completed the aforementioned degrees abroad may also apply, if said degrees are recognized as equivalent to Italian degrees.

Knowledge of English language is also required to carry out the research activity.

Additional competence and/or experience relevant to the choice of the researcher: PhD in Physics or Astronomy.

**How to apply**

Candidates with all the aforementioned requisites who wish to participate in the selection process must submit their application using exclusively the online procedure (SerSe) available on the Scuola’s website at <https://serse.sns.it/en/>. No other submission method will be accepted.

At first candidates shall register themselves in SerSe and then, once received a confirmation email to the email address indicated by them, they shall select on the homepage the specific call they are interested to.

Candidates having already registered themselves in SerSe shall use the same access credentials to enter in the online procedure and submit their application.

The email address indicated by candidates during the online registration is the official means of communication relating to this selection. Any change must be communicated promptly to the email address [job.opportunities@sns.it](mailto:job.opportunities@sns.it).

The online application must include also the following documents:

- a) the scanned copy of a valid identification document (mandatory – the document shall not exceed 1 Mb);
- b) a curriculum vitae containing a detailed description of the studies and professional experience (mandatory);
- c) the publications, including also the PhD thesis, and any other document that the candidate believes may be useful to the evaluation of her/his application (it is mandatory to attach the publications that the candidate intends to submit to the evaluation of the Committee);
- d) a list of the submitted publications (mandatory).

For those unpublished texts accepted for publication, the candidate must include the relative document in its final form and the publisher's certificate or a detailed substitute statement of affidavit confirming that the relative text has been accepted for publication (please use attachment A).

In order to submit the documents listed above, candidates shall upload them exclusively as PDF files (only PDF format will be accepted). Only if direct upload is not possible, exceptionally one or more publications can be provided extra online procedure, delivering them by registered mail or courier to the following address: Ufficio Protocollo of the Scuola Normale Superiore, Via del Castelletto, n. 11, 56126 Pisa (Italy).

In the online application, candidates may also indicate up to 2 experts in the field of research, to whom the Scuola Normale will ask to send a letter of reference to be received by 23:59 (Italian time) of 9 November 2021.

After the online application has been received and registered, it will not be possible for candidates to change or integrate it with further documents.

In case of problems in registering the online application, for administrative information or questions, candidates can write an email to [job.opportunities@sns.it](mailto:job.opportunities@sns.it).