

[The legally binding version is the Italian version](#)

Public call for applications based on academic qualifications, and a possible interview, for the awarding of a scholarship entitled: '**Reconstructing the Formation History of Galaxies: From state-of-the-art ground-based and space (JWST) spectroscopy to forecasting SHARP capabilities**', within the framework of the SHARP project.

THE DIRECTOR OF THE BRERA ASTRONOMICAL OBSERVATORY HEREBY DECREES

Art. 1

Number of scholarship positions

A public selection based on academic qualifications, and a possible interview, is announced for the awarding of one scholarship entitled: "**Reconstructing the Formation History of Galaxies: From State-of-the-Art Ground-Based and Space (JWST) Spectroscopy to Forecasting SHARP Capabilities**".

The scholarship activities will be carried out within the framework of the SHARP project and will be developed through three main phases:

- **Spectroscopic Data Analysis:** Analysis of galaxy spectra at intermediate redshifts obtained from ground-based (LBT) and space-based (JWST) instrumentation, to derive the physical properties of stellar populations and reconstruct their star formation histories;
- **Spectrum Simulation:** Generation of simulated spectra (mock spectroscopy) based on real data properties, considering different physical conditions and the technical specifications expected for SHARP;
- **Estimation of SHARP Capabilities:** Evaluation of the instrument's ability to spatially resolve sub-galactic structures, its potential to overcome current observational limits, and the assessment of its expected performance through the analysis of simulated data.

The activity will be conducted at the Milan premises of the Brera Astronomical Observatory, in close collaboration with the Scientific Supervisor, Dr. Paolo Saracco, and the SHARP team.

Art. 2

Duration and Amount of the Scholarship

The scholarship is available starting from June 1, 2026, for a duration of 6 months. It may be renewed upon request by the Scientific Supervisor and following the approval of the Director of the Brera Astronomical Observatory. Any extension will be considered subject to the availability of the relevant financial resources.

The amount will be €1,700.00 (one thousand seven hundred/00) gross per month for the successful candidate. The net amount will be paid in deferred monthly installments.

This amount does not include any travel allowances for missions in Italy or abroad that may be necessary to carry out the activities related to the scholarship.

The scholarship holder will be required to personally provide for their own health insurance coverage, unless they already benefit from the Italian National Health Service (*Servizio Sanitario Nazionale*) pursuant to Law 833/78.

Current tax regulations for this sector shall apply.

The Observatory expressly reserves the right to terminate the scholarship, by means of a formal declaration, if the activity carried out by the assignee is deemed unsatisfactory. The scholarship cannot be combined with other scholarships, research grants, or subsidies of a similar nature; it does not constitute an employment relationship and does not give rise to any rights regarding access to permanent positions within INAF.

All candidates who have obtained their academic degree abroad, which has been recognized as equivalent under current regulations, must submit the official document recognizing this equivalence. Candidates who have obtained their academic degree abroad and do not yet possess the equivalence decree will be required, in the event they are awarded the scholarship, to proceed with the request for equivalence (pursuant to Art. 4, paragraphs 1 and 2 of Presidential Decree no. 189 of July 30, 2009, and Art. 48 of Presidential Decree 394/1999), as established by Art. 6 of this Call.

Art. 3

Admission Requirements

The mandatory requirements for admission to the selection procedure are:

- Master's Degree (*Laurea Magistrale/Specialistica* or *Diploma di Laurea Vecchio Ordinamento*) in Physics or an equivalent degree awarded by a Higher Education Institution or University (including foreign institutions).

The following will be considered preferential qualifications:

- Experience in the reduction and analysis of spectroscopic data of galaxies;
- Experience in the use of Full Spectral Fitting software, such as pPXF and Bagpipes;
- Proficiency in Python;

- Good command of written and spoken English.

Art. 4

Application Submission Procedures

Applications for admission to the selection process, drawn up on plain paper according to the attached template (Annex 1), dated, signed by the candidates, and accompanied by the required documentation, must be submitted no later than **23:59 (CET) on May 7, 2026**, under penalty of exclusion, via one of the following methods:

a) **Via standard e-mail or Certified E-mail (PEC)** sent to the following address: **inafoamilano@pcert.postecert.it** in non-editable "PDF" format. The maximum total size of the attachment(s) must not exceed 20MB. The e-mail subject line must clearly state: **“Spettroscopia SHARP”**.

b) **Via registered mail with return receipt (RACCOMANDATA A.R.)** addressed to: *Ufficio Concorsi dell’INAF Osservatorio Astronomico di Brera, Via Bianchi 46, 23807 Merate (LC), Italy*. The wording **“Spettroscopia SHARP”** must be indicated on the front of the envelope and at the top left of the application form. For the purpose of the deadline, the postmark date of the accepting post office shall serve as proof of submission.

c) **Via authorized express courier** addressed to: *INAF Osservatorio Astronomico di Brera – Ufficio Concorsi – Via Emilio Bianchi 46 – 23807 Merate (LC), Italy*. The application must arrive by the aforementioned deadline, and the wording **“Spettroscopia SHARP”** must be indicated on the front of the envelope and on the application form.

Any applications that are incomplete or received after the fixed deadline will not be considered.

Under their own direct responsibility, candidates must state the following in the application, in addition to personal data (full name, date and place of birth, residence, and citizenship):

- Academic degree, the University where it was obtained, and the date of graduation;
- The address to which communications regarding the selection should be sent (including a telephone number and an e-mail address);
- Whether or not they are currently receiving funding or scholarships from other entities; if so, specify the duration and amount.

The following documents, on plain paper, must also be attached to the application:

- *Curriculum vitae et studiorum*;
- A brief description of the research activity carried out;
- A list of qualifications and publications.

Art. 5

Selection Committee

Applications will be examined by a specific Selection Committee appointed by the Director. The evaluation of candidates will be based on the qualifications submitted and, if deemed necessary, an interview. Admitted candidates will be notified of the interview no less than 15 days before the scheduled date.

The Committee has a total of 100 points available: 60 points for qualifications and 40 points for the possible interview. The Committee may, in any case, preliminarily determine the minimum score that candidates must achieve in the evaluation of qualifications, both for the final ranking (should the Committee decide not to hold interviews) and for subsequent admission to the supplementary evaluation interview.

In its first meeting, the Committee will define the criteria for the evaluation of qualifications.

If deemed necessary, the Committee may invite selected candidates for an in-depth interview. Admission to the interview will be notified to the candidates concerned with reasonable notice. This notification will be sent via electronic communication to the e-mail address provided in the application (a confirmation of receipt will be requested).

To be admitted to the interview, candidates must present a valid identity document.

The Committee will pre-determine and record the evaluation criteria for the interview in the minutes.

Upon completion of its work, the Committee shall deliver the competition records and the minutes containing the evaluation of each candidate and the relative merit ranking to the Director.

The ranking of eligible candidates and the declaration of the winner will be approved by a decree (*determina*) of the Director of the Brera Astronomical Observatory.

Art. 6

Taking up the Position

The successful candidate will be notified of the awarding of the scholarship. Within the strict deadline of 7 days from the receipt of this communication, the assignee must submit a declaration of unreserved acceptance of the conditions indicated to OABrera, under penalty of forfeiture of the right to the scholarship.

In the event of failure to submit the declaration of acceptance, or in the case of withdrawal by the winner, the scholarship may be awarded to the next eligible candidates according to the ranking order, until the list is exhausted.

1. A successful candidate who is a citizen of a non-EU State but legally residing in Italy may use self-declarations (*dichiarazioni sostitutive*) pursuant to Articles 46 and 47 of Presidential Decree no. 445 of December 28, 2000, strictly limited to states, personal qualities, and facts that can be certified or attested by Italian public entities, without prejudice to special provisions contained in laws and regulations concerning immigration and the status of foreigners.
2. Outside the cases provided for in the preceding paragraph, citizens of non-EU States authorized to reside in the national territory may use the self-declarations pursuant to Articles 46 and 47 of Presidential Decree no. 445/2000 in cases where their production takes place in application of international conventions between Italy and the declarant's country of origin.
3. For the purpose of recognizing the equivalence of academic degrees obtained abroad according to current regulations, individuals must submit, within the deadline set in paragraph 1 of this article, the documents—either in original or certified copy—acknowledging their equivalence. Alternatively, they must submit a self-declaration in lieu of certification and/or an affidavit (*dichiarazione sostitutiva di certificazione e/o di atto di notorietà*) made pursuant to Articles 46, 47, 75, and 76 of Presidential Decree no. 445 of December 28, 2000, and subsequent amendments and additions, attesting that the procedure for the recognition of said equivalence has been officially initiated.
4. Outside the cases referred to in the preceding paragraphs, states, personal qualities, and facts must be documented through certificates or attestations issued by the competent authority of the foreign State, accompanied by an Italian translation authenticated by the Italian consular authority, certifying its conformity to the original.
5. In the event of failure to present the aforementioned documentation within the specified deadlines—without prejudice to the possibility of an extension upon the interested party's request in the case of proven impediment—it will not be possible to proceed with the signing of the individual contract.

Art. 7

Publication

This call for applications is published on the website of the National Institute for Astrophysics (<http://www.inaf.it>) and on the website of the Brera Astronomical Observatory (<https://brera.inaf.it/>).

Art. 8

Processing of Personal Data

Pursuant to Article 13 of the "General Data Protection Regulation" (GDPR), the National Institute for Astrophysics (INAF), acting as the Data Controller, informs that the processing of personal data provided by candidates submitting an application to participate in the selection procedure covered by this Call is carried out solely for the purpose of conducting the activities and adopting the acts and measures envisaged by the aforementioned procedure, and will be carried out by the personnel authorized to execute it.

The provision of personal data is necessary to verify the possession of the requirements for participation in the selection procedure; failure to provide such data may preclude this verification.

Data subjects are granted the rights referred to in Articles 15 and following of the "General Data Protection Regulation" and, in particular, the right to access their personal data, to request their rectification, erasure, restriction of processing, as well as, where applicable, to object to the processing. These rights may be exercised by submitting a specific request to the National Institute for Astrophysics, headquartered at Viale del Parco Mellini, no. 84 – 00136 Rome, Italy, using one of the following methods:

- Via registered mail with return receipt to the address specified above;
- Via an e-mail message sent to the following address: rpd@inaf.it;
- Via Certified E-mail (PEC) sent to the following address: rpd-inaf@legalmail.it.

Individuals who believe that the processing of their personal data has been carried out in violation of the provisions contained in the "General Data Protection Regulation" and those provided for in this article have the right to lodge a complaint with the Italian Data Protection Authority (*Garante per la Protezione dei Dati Personali*), in accordance with the provisions of Article 77 of the aforementioned Regulation, or to bring an action before the competent judicial authority, in accordance with Article 79 of the same Regulation.

Milan, April 17, 2026

THE DIRECTOR

Dr. Roberto Della Ceca

ALLEGATO 1

SCHEMA DI DOMANDA PER LA PARTECIPAZIONE ALLA SELEZIONE

Osservatorio Astronomico di Brera
Via E. Bianchi 46
23807 Merate (LC)

Il/la sottoscritto/a nato/a a (prov. di) il residente in via n....., chiede di essere ammesso alla selezione per l'assegnazione di una borsa di studio dal titolo **“Ricostruire la storia di formazione delle galassie: dalla spettroscopia d'avanguardia da terra e dallo spazio (JWST) alla stima delle capacità di SHARP”**

Dichiara sotto la propria personale responsabilità:

- a) di essere cittadino
- b) di godere dei diritti civili e politici;
- c) di aver assolto gli obblighi di leva o di essere militesente, ovvero (specificare)
- d) di non aver riportato condanne penali né di aver procedimenti penali pendenti;
- e) di essere in possesso del/dei seguente/i titolo/i di studio:
- f) di avere in corso il seguente contratto di ricerca o borsa di studio: (indicare la durata, l'importo e l'Ente).....

Allega la seguente documentazione:

1. curriculum vitae et studiorum;
2. breve descrizione dell'attività di ricerca svolta;
3. elenco dei titoli e delle pubblicazioni;

Il sottoscritto dichiara inoltre di autorizzare l'Amministrazione dell'INAF - Osservatorio Astronomico di Brera alla trattazione dei propri dati personali per le esclusive finalità della selezione in oggetto. Il sottoscritto desidera che le comunicazioni riguardanti la presente selezione siano inviate al seguente indirizzo (indicare anche il numero di telefono, eventuale fax ed indirizzo e-mail):

.....
.....

(Luogo e Data)

.....

(Firma)

ALLEGATO 2

AUTOCERTIFICAZIONE

...l... sottoscritt... nat... a il
 residente in (provincia di) via, n.,
 c.a.p., Stato consapevole delle sanzioni penali previste dall’art. 76 del
 DPR 28/12/2000, n. 445, nel caso di mendaci dichiarazioni, falsità negli atti, uso o esibizione di atti
 falsi o contenenti dati non più rispondenti a verità, sotto la sua personale responsabilità, avendo
 chiesto l’ammissione alla selezione per l’assegnazione di una borsa di studio dal titolo **“Ricostruire
 la storia di formazione delle galassie: dalla spettroscopia d'avanguardia da terra e dallo spazio
 (JWST) alla stima delle capacità di SHARP”**, da svolgere presso l’Osservatorio Astronomico di Brera

DICHIARA E AUTOCERTIFICA:

- 1) che le copie dei titoli, delle tesi, delle pubblicazioni, e dei lavori presentati sono conformi all’originale;
- 2) di avere conseguito in data la laurea in.....presso l’Università di con la votazione di
- 3) di avere conseguito in data Il dottorato in presso l’Università di con la votazione di
- 4) di possedere i seguenti titoli (indicarne gli estremi di conseguimento):
 - attestati di frequenza a corsi di perfezionamento post-laurea:.....
- 5) di aver usufruito:
 - dei seguenti assegni di ricerca (449/97):
 - 1).....
 - 2).....
 - 3).....
 - 4).....
 - dei seguenti assegni di ricerca (240/10):
 - 1).....
 - 2).....
 - 3).....
 - delle seguenti borse di studio:
 - 1).....
 - 2).....

- 3).....
- - di avere in corso il seguente contratto di ricerca/assegno di ricerca/ borsa di studio:
.....
-;
- dei seguenti contratti per attività di ricerca presso soggetti pubblici e privati:
.....
- altro:
.....

Data

Firma(*)

(*) La firma non deve essere autenticata.