

DD 127/2021

Anno 2021

*Selection procedure based on qualification and possible interview for the awarding of one research fellowship (“Assegno di Ricerca”), entitled “**Physics of the ISM in galaxies through spectroscopic surveys**”, type b) “Post-Doc” (in accordance with Article 22, Law 240/2010)*

THE DIRECTOR OF INAF-OSSERVATORIO ASTROFISICO DI ARCETRI

Having seen the Statute of the Istituto Nazionale di Astrofisica (INAF in short), adopted by INAF Administrative Council on May 25 2018, and entered into force on September 24 2018 and subsequent amendments and additions;

in accordance with Italian Law n. 240 dated 30 December 2010, Article 22;

having seen the INAF Regulations for the awarding of research fellowships, approved by INAF Administrative Council on June 22 2011, Resolution n. 6/11 and subsequent modifications and integrations;

having seen the guidelines for the awarding of research fellowships approved by INAF Administrative Council on January 29 2019;

having seen in particular, the part which determines that research fellowships can be financed either through ordinary funding or through external funding to carry out scientific or technological research activity, falling under INAF institutional activities as mentioned in art. 2 of the Statute;

having seen in particular, the section defining postdoctoral fellowships as opportunities offered to early career researchers interested in continuing their training within INAF, carrying out scientific or technological activities;

having seen in particular, the section which specifies that postdoctoral fellowships are dedicated to the realization of specific projects and cannot be used in order to cover INAF needs in terms of staff;

having seen the note of INAF Scientific Directorate prot. n. 673/2018;

having seen the note of INAF Scientific Directorate prot. n. 1118/III/3 issued on February 1 2019, related to the implementation of the above-mentioned guidelines for the recruiting of non permanent staff, stating that calls and announcements are managed in autonomy by each INAF Institute;

having seen the request prot. n. 1716/2021 submitted by Dr. Giovanni Cresci on October 5th 2021 in order to issue a call with the characteristics described in the following paragraphs;

having seen the recent provisions issued by the Italian Government related to the current COVID-19 pandemic;

having seen	the resolution n. 54/2020, issued by the INAF Administrative Council on June 5 2020, concerning the adoption of “Guidelines for the rationalization of the procedures for recruiting fixed-term staff and the awarding of fellowships (Assegni di Ricerca)”;
considering	it appropriate to issue a call for the award of a research fellowship, and that, according to the “Programma Nazionale di Assegni di Ricerca” provided by INAF, the present announcement is issued to offer the opportunity to carry out research activity to candidates who deem it profitable for their own career development;
given	the availability of funds from Ob.Fu. 1.05.03.05.07 - Work Packages Progetti VLT CUP C55F21000930005 (ref. E. Oliva); Ob.Fu. 1.05.01.83.03 - Black hole winds and the baryon life cycle of galaxies: the stone-guest at the galaxy evolution supper (ref. G.Cresci); Ob.Fu. 1.05.06.01.01 Premiale LBT 2012 (ref. F. Mannucci) CUP C81J12000310001;
given	ticket nr. 237887 on November 8 th 2021 bearing the request to issue the present announcement to INAF-Scientific Directorate;
given	the authorization to proceed from the same INAF- Scientific Directorate issued on November 19 th 2021;

DECREES

Art. 1 – Research project

A selection based on qualifications, possibly integrated by an interview, is open to award one research fellowship (“Assegno di Ricerca”) of type B “Postdoctoral Fellow” entitled “***Physics of the ISM in galaxies through spectroscopic surveys***” (hereinafter referred to as “the project”).

The fellow will focus on the study of the Interstellar Medium in galaxies (including chemical abundances, dynamics, and ionization conditions) using optical and near-IR spectroscopy, including data from GTO time on forthcoming new facilities such as MOONS and ERIS at the VLT.

The position is based at INAF-Osservatorio Astrofisico di Arcetri (Firenze – ITALY). The activity will be carried out under the supervision of Dr. Giovanni Cresci (email: giovanni.cresci@inaf.it), and the fellow will contribute to the activities of the Arcetri Extragalactic Group (see <https://sites.google.com/inaf.it/exagal>).

Moreover, the present call aims at:

- offering an opportunity of professional growth to early career researchers holding a PhD, a fellowship (Assegno di Ricerca) or a fixed-term employment relationship, interested in engaging with the national and international research context. Our fellowship program encourages mobility, and/or recruiting of specific expertise within fixed-term projects and/or activities;
- hence, covering positions beyond the programming of permanent staff demand, which consequently do not represent a binding requirement for recruiting tenured positions in INAF.

Art. 2 – Requirements

To participate in the selection, **applicants must possess, under penalty of exclusion**, by the deadline for application of the present position:

- PhD degree in Astronomy, Physics, Engineering or Mathematics, or equivalent degree awarded by an Italian university or by a foreign university.

Or alternatively

- Master Degree in Astronomy, Physics, Engineering or Mathematics or equivalent degree which would formally entitle to the admission to a doctorate, awarded by an Italian or foreign University together with at least three years of documented experience in scientific activities after the obtainment of the Degree.

Candidates presenting academic qualifications achieved abroad that are not yet declared equivalent in compliance with the Italian legislation will be evaluated by the Selection Committee. The Committee can admit them to the selection subject to further acknowledgment of the foreign qualification.

Recent obtainment of the PhD, as well as other training activities, documented scientific activity, publications in scientific or technological fields, and a good knowledge of software development and implementation, will be favorably evaluated by the Selection Committee.

Good knowledge of English language is also required.

The following skills and experience will be considered as preferential qualifications:

- optical and near-IR spectroscopy
- chemical abundances in HII regions and galaxies
- physics of the ISM
- tools for data reduction and analysis of spectroscopic data

Art. 3 – Duration of the Research fellowship

The Research fellowship starting date will be agreed with the Director and should preferably be before **October 1st, 2022**. The fellowship has a duration of one year, renewable. Further extensions may be possible depending on performance and funding availability. In accordance with the Italian Law n. 240/2010 the total duration of the fellowship cannot in any case exceed six years (excluding periods of maternity leave or sick leave, in accordance with current legislation). The starting date may be delayed if requested by the completion of administrative procedures, and/or for the cases mentioned in the art. 10 of this call, or due to the current COVID 19 pandemic.

Art. 4 – Application procedure

Applications must be submitted in English by:

- Ordinary email or Posta Elettronica Certificata (PEC) to the following address: inafoarcetri@pcert.postecert.it

The PEC or email account must be compulsory registered to the applicant's name, on penalty of exclusion from the present call.

Applications must arrive no later than **January 15th, 2022– 1.00 p.m. (CET)**. Late applications will not be considered.

The application must report on the PEC or email subject **“Application for Postdoc position DD n. 127/2021”**.

Aware that false declarations are punishable by law and that the Administration will carry out random checks, the applicant must clearly state in the application:

- name(s) and surname, date and place of birth, nationality, place of residence and correspondence address;
- that they satisfy all the requirements described in Article 2 of this Call, in particular that they hold the required academic qualifications;
- that they are aware of any of the restrictions described in Article 5 of this Call, and are not ineligible.

For selection purposes the applicants:

- must list relevant academic qualifications in the application form (Annex 1);
- candidates with non-Italian academic qualifications (for example, applicants residing outside Italy or Italian citizens with degrees obtained outside Italy), must produce originals or suitably certified copies of these qualifications possibly with list of individual courses and exam grades. Such documents must be translated into English.

Applications must include the following documents:

- the application form (Annex 1), **signed and dated** by the applicant;
- Annex 2, **signed and dated** by the applicant;
- a copy of a valid identity document (for EU citizens an ID card is sufficient, otherwise a passport is required);
- a curriculum vitae, in English, **signed and dated** by the applicant, describing the previous experience and the skills relevant for the research project, and including, if applicable, a list of grants and fellowships held in the past;
- a brief statement of research interests, up to three pages in length (12 pt Times New Roman);
- a list of publications;
- two reference letters should be sent directly by the referees to the address: inafoarcetri@pcert.postecert.it by **December 15, 2021– 1.00 p.m. (CET)**, reporting in the subject line the indication of the related procedure: **DD 127/2021** and the **name of the candidate**. Letters without signature or received after this deadline will not be considered.

- candidates with non-Italian academic qualifications (for example, applicants residing outside Italy or Italian citizens with degrees obtained outside Italy), must produce originals or suitably certified copies of these qualifications possibly with list of individual courses and exam grades. Such documents must be translated into English.

Applications that are not consistent with the attached forms (Annex 1 and 2) or have not been signed by the applicant will be excluded from the selection procedure.

Applicants are admitted for selection with reservation and may – at any time – be excluded from the selection procedure for the following reasons:

- submission of the application after the deadline;
- incomplete and/or unsigned application forms;
- failure to sign the curriculum vitae;
- lack of the copy of a valid identity document;
- lack of the requirements indicated in article 2 of this Call.

Should the reasons for exclusion be ascertained after completion of the selection procedure, the applicant will lose any right deriving from participation in the selection procedure; providing any false statements or documents is also grounds for immediate exclusion.

INAF cannot be considered responsible for lost applications or documents, where this is due to the applicant having provided incorrect contact details, or having failed or delayed in notifying any changes to these details.

Art. 5 – Ineligibility and incompatibility with other funding

The fellowship cannot be held by full professors, associate professors, research staff at Italian Universities, or employees of Italian public research institutions.

The grant is incompatible with attendance of academic courses that formally give access to a doctorate, as well as with attendance of PhD courses with fellowship.

The grant cannot be held in conjunction with other fellowships of whatever kind, with the exception of those awarded with the aim of integrating the training or research activity of the fellowship holder through a period spent abroad.

Aggregation of income from other activities carried out continuously, even if performed part-time, is not allowed. Limited and occasional work as self-employed is compatible with the fellowship, only if such work is not prejudicial to the research activity carried out for INAF. Such work must be authorized in advance by the Director of INAF-Osservatorio Astrofisico di Arcetri.

Retired persons are not eligible for the fellowship.

Candidates who do not satisfy the provision of co.9 of article 22 of Italian Law 240/2010 are excluded from the selection.

Upon formally accepting the fellowship, the successful applicant will issue a declaration that none of the above criteria for exclusion applies.

Art. 6 – Host Institution

The fellow will carry out the research at INAF-Osservatorio Astrofisico di Arcetri - Largo Enrico Fermi, 5 – 50125 Firenze (Italy).

Art. 7 – Salary amount

The gross annual salary will be **€ 28,000**. This amount does not include the burdens paid by the INAF-Osservatorio Astrofisico di Arcetri, and will be paid in monthly instalments. The corresponding net monthly salary is about € 2.067,00.

The fellow will be requested to have a personal accident insurance for the duration of the fellowship. Italian fiscal and social security rules will be applied. During the period of mandatory maternity leave the allowance will be paid by INPS (Italian National Institute for Social Security) if in the twelve months preceding the two months before the due date, three months at least of the said contribution have been attributed. In this case the allowance is supplemented by INAF up to the total amount of the grant. The period of mandatory maternity leave will not contribute to the duration of the grant foreseen by the contract.

Art. 8 – Selection Committee and selection procedure

The selection will be performed by a Selection Committee, appointed by the Director of INAF-Osservatorio Astrofisico di Arcetri, and composed of three members; in accordance with current legislation, the composition of the committee should ensure an appropriate gender balance where possible.

The Committee will evaluate academic qualifications achieved abroad that are not yet declared equivalent in compliance with the Italian legislation.

The selection is based on qualifications possibly integrated by an interview.

The total ranking score is 100 points, of which:

- 60 points is the maximum score for qualifications. The evaluation criteria will be pre-determined by the Selection Committee according to the preferential requirements indicated in art. 2.
- 40 points is the maximum score for the interview.

The Selection Committee may establish a shortlist of the eligible applicants to be interviewed, on the basis of qualifications and documented experience in scientific activities on the specific subject of the research fellowship. Applicants selected for the interview will be summoned with 15 day notice, with a communication including the applicants rank. The Selection Committee can decide to hold interviews using a teleconferencing system. At the end of the selection procedure, the Selection Committee will draw up the ranked list. The approval decree of the selection procedure and the ranked list will be published on the following websites: <http://www.inaf.it> lavora con noi – Assegni di ricerca and <https://www.arcetri.inaf.it/lavora-con-noi> .

Art. 9 – Awarding of the fellowship

The highest ranking candidate will receive written notification of the offer of the research fellowship. Within 10 days from receipt of the formal notification of the award she/he must provide a formal declaration of acceptance of the research grant. The declaration will also state that the applicant is not subject to any of the exclusion conditions listed in article 5 of this Call.

If the candidate does not communicate the formal acceptance of the offer before the deadline, she/he will lose her/his entitlement to the research fellowship, and the Selection Committee will notify the next highest ranked candidate.

Under no circumstances the signing of the fellowship contract starts a subordinate employment relationship or ensures any rights to transition into a permanent staff position at INAF.

Art. 10 – Fellowship obligations

The holder of the fellowship:

- will start her/his research activity at INAF-Osservatorio Astrofisico di Arcetri on the date specified in the contract, unless prevented by exceptional circumstances. In this case the Director of INAF-Osservatorio Astrofisico di Arcetri must be timely informed;
- will carry out her/his research activities under the supervision of Dr. Giovanni Cresci, who will monitor the fellow's progress. Any annual renewal of the contract will be decided after the evaluation of an activity report to be periodically produced as established in the contract. The activity reports will be subject to approval from the scientist in charge of the project and will be transmitted to the Director of INAF-Osservatorio Astrofisico di Arcetri. If the report is not approved, after being duly considered by the supervisor, will give INAF-Osservatorio Astrofisico di Arcetri the right to terminate the contract;
- is required to send a written note in case of withdrawal, with at least 30 day notice. INAF-Osservatorio Astrofisico di Arcetri is otherwise entitled to retain, or request the reimbursement of the salary amount corresponding to the unnotified timespan.

The holder of the Fellowship who does not carry out her/his research activity regularly without producing justified reasons, or fails repeatedly to fulfill requirements, or, according to the evaluation of the supervisor Dr. Giovanni Cresci, shows evident lack of skills at the planned research activities, will incur in the termination of the contract.

Temporary suspensions of the Research Fellowship are due in case of mandatory maternity leave or in case of illness, lasting longer than one month, or for other serious reason. The reasons for suspending the Research Fellowship must be demonstrated and certified, and promptly communicated to the Director of INAF-Osservatorio Astrofisico di Arcetri.

Art. 11 – Responsible for the Procedure

The person responsible for administrative procedure associated with this Call for Applications is Dr. Serena Donati (email: bandi.oaa@inaf.it).

Art. 12 – Applicable regulations

INAF-Osservatorio Astrofisico di Arcetri shall abide by the applicable provisions promoting equal opportunities for women and men, non-discrimination and respect of privacy in processing of personal data.

For what is not explicitly mentioned in this announcement, INAF-Osservatorio Astrofisico di Arcetri shall act in compliance with the regulations in force for Italian public selection procedures, when applicable by analogy.

Art. 13 - Personal Data processing

1. Pursuant to Article 13 of the ***“Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC” (“General Data Protection Regulation”)***, the National Institute for Astrophysics, acting as data controller, hereby informs that the personal data of candidates who submit an application for participation in this selection will be processed exclusively for the purposes connected to the aforementioned procedure by persons who, under the direct authority of the controller, are authorized to process personal data.
2. The personal data shall be processed through automated means, also in case of communication to third parties.
3. The provision of such data is necessary to verify the participation requirements and failure to provide them may preclude such verification.
4. Pursuant to Articles 15-21 of the ***“General Data Protection Regulation”*** the data subject has the right, at all time, to require National Institute of Astrophysics (Viale del Parco Mellini, 84 - 00136 Rome - Italy), free of charge, the access to his/her personal data, the rectification and correction of his/her personal data, the erasure of his/her personal data, the limitation of his/her data processing and the opposition of his/her data processing.
5. The data subject can exercise his/her abovementioned rights by writing to the Data Protection Officer of the National Institute of Astrophysics under the following addresses:
 - Viale del Parco Mellini, 84 - 00136 Rome (registered letter);
 - rpd@inaf.it (Email);
 - rpd-inaf@legalmail.it (Certified mail).
6. The data subject has also the right to an effective judicial remedy, pursuant to Article 79 of the GDPR, or to lodge complaints with the Garante per la protezione dei dati personali, the Italian Controller Authority, according to the provision of Article 77 of the GDPR.

Dr. Maria Sofia Randich

ANNEX 1
APPLICATION FORM

To the attention of the Director of INAF-Osservatorio Astrofisico di Arcetri

I, THE UNDERSIGNED,

(Name(s)) (Surname).....

Place of birth (Town/State/Country)

Date of birth (dd/mm/yy)

Nationality

Permanent residence address (House number/Street/Town/Post Code/Country):

.....

Italian Tax Identification Number (Codice Fiscale), if available, otherwise leave blank

.....

Email address:

agree to the processing of my personal data, in accordance with Italian Leg. Decree n. 196/2003, for the purposes of the present selection procedure,

having read the Call for Applications **D.D. n. 127/2021** for the appointment of one research fellowship entitled: *"Physics of the ISM in galaxies through spectroscopic surveys"*.

REQUEST

to apply for the above-mentioned fellowship, and to this end, aware that false declarations are punishable by law and that this Administration will check on the accuracy of the declarations made by candidates,

DECLARE

under my own responsibility,

1. That I 'm in possession of the following admission requirements:

PhD in (subject)..... awarded on (date) by (University).....

Title of thesis

OR

Masters degree (or other equivalent degree which would allow admission to a PhD program in Italy) in (subject)..... awarded on (date) by (University)

with final mark Title of thesis

and subsequent documented experience of at least 3 years in scientific activities carried out at the Institute/ University from..... to..... carrying out the following research activity:

.....

2. that I have not been dispensed and / or dismissed from another at the Italian public administration for persistent, insufficient performance.
3. that I have not been declared forfeited from another employment by a public administration, pursuant to article 127, paragraph 1, letter d), of the Decree of the President of the Republic of January 10, 1957, number 3, for having obtained it by producing false documents or documents vitiated by non-remediable disability or by fraudulent means.
4. That I'm not be the holder of other scholarships, research grants, research contracts awarded for any reason
or
I'm the holder of / scholarships / research grants / research contracts awarded by the Institute/Universitywith expiry date and to undertake to renounce them in case of passing this selection procedure;
5. that I have never received a research award as per art. 22, Italian Law 240/2010
or ;
that I have previously received a research awards as per art. 22, Italian Law 240/2010 and, in particular I have been the recipient of¹:
 - a research fellowship entitled,
at (name of the institution).....,
beginning.....ending.....total months
 - a research fellowship entitled,
at (name of the institution).....,
beginning.....ending.....total months
 - a research fellowship entitled,
at (name of the institution).....,
beginning.....ending.....total months
6. that I am aware of the restrictions described in Article 5, of the Call for Applications for this research fellowship;
7. that I am aware that, under art. 22 Italian Law 240/2010, the research fellowship:
 - cannot be held in conjunction with attendance of academic courses which formally give access to a doctorate, and attendance of PhD courses with fellowship;
 - cannot be held in conjunction with other fellowships of whatever kind, except those awarded with the aim of integrating the training or research activity of the fellow through a period of research abroad;
 - does not permit aggregation of income from other working activities, also part-time, carried out continuously.
8. that I have a good knowledge of the English language
9. that I wish to receive any communication relating to the selection at the following address and that I will give due notice of any change of address:

¹ Indicate the number of months for which the award was used and the name of the institution granting the award. Please provide details of each award, for example, if you have had two awards of 24 months each at the same institution indicate these as two separate awards on two different lines.

Address (House number/Street/Town/Post Code/Country):

.....

.....

PEC or Email address:

List of the documents attached to this form:

- Annex 2, **signed and dated** by the applicant;
- copy of a valid identity document (ID card for EU citizens or passport for non-EU citizens);
- curriculum vitae, **signed and dated** by the applicant providing evidence of possession of the requirements and skills required to carry out the research, including a list, if applicable, of grants and fellowships held in the past;
- a brief statement of research interests, up to three pages in length (12 pt Times New Roman);
- list of publications
- candidates with non-Italian academic qualifications (for example, applicants residing outside Italy or Italian citizens with degrees obtained outside Italy), must produce originals or suitably certified copies of these qualifications possibly with list of individual courses and exam grades. Such documents must be translated into English.

Date

Signature

ANNEX 2

**Certification and Self-Declaration in lieu of affidavit
(Art. 19 - 46-47 the DPR 28th December 2000, n. 445)**

**DICHIARAZIONE SOSTITUTIVA DI CERTIFICAZIONE
DICHIARAZIONE SOSTITUTIVA DI ATTO DI NOTORETÀ
(Art. 19 – 46 – 47 del D.P.R. 28 Dicembre 2000, n. 445)**

I, THE UNDERSIGNED,

(Name(s))..... (Surname).....

Place of birth (City/State/Country)

Date of birth (dd/mm/yy)

Nationality

Permanent residence address (number/street/town/postal code/Country):

.....

Email address:

aware that false declarations are punishable by law and that this Administration will carry out random checks on the accuracy of the declarations made by candidates

DECLARE UNDER MY OWN RESPONSIBILITY

- THAT THE CONTENT OF THE ATTACHED “CURRICULUM VITAE” IS TRUE
- THAT THE DOCUMENTATION PRODUCED IN COPY CONFORM TO THE ORIGINAL
-
-

Date

Signature

** the photocopy of a valid identity document of the signer must be attached*