



**Subject:** Public selection procedure, based on qualifications and interview, for the awarding of **one-year** research fellowship entitled ***“Execution and analyses of Cosmological Hydrodynamical Simulations to investigate metal distribution in the CGM and IGM”***, realized within the PNRR – Mission 4 “Education and Research” - Component C2 Investment 1.1 “Funds for the National Program for Research and Projects of Relevant National Interest (PRIN)” D.D. n. 1409/2022 “Call PRIN 2022 PNRR” of 14 September 2022.

Project code PRIN 2022 PNRR P2022ZLW4T, title "Next-generation computing and data technologies to probe the cosmic metal content", CUP C53D23010020001, eligible for funding by Directorial Decree of MUR of 1 September 2023 n. 1387, Macrosector PE Physical Sciences and Engineering ERC sector PE9 – “Universe Sciences”.

### The Director of the Astronomical Observatory of Trieste

#### OMISSIS

- IN ACCORDANCE WITH** legislative Decree dated 30 April 2022, number 36, coordinated with conversion Law dated 29 June 2022, number 79, concerning: ***“Additional urgent measures for the implementation of the National Recovery and Resilience Plan (PNRR).”*** and in particular Article 6 quaterdieces”;
- IN ACCORDANCE WITH** Directorial Decree n. 1409 dated 14 September 2022, PRIN Call 2022 PNRR, aimed to promote the national research system, strengthen interactions between universities and research institutions, and encourage Italian participation in initiatives within the framework of the European Union's Research and Innovation Framework Program,;
- IN ACCORDANCE WITH** note prot. 2441 dated 28 March 2023 through which the Unità di Missione of the Ministry of University and Research clarified, among other, the modalities of accounting of the PNRR targets;
- IN ACCORDANCE WITH** Directorial Decree n. 576 of 2 May 2023, by which MUR, prior to the establishment of the Evaluation Committees, according to article 7 of the above mentioned Call PRIN 2022 PNRR, has made public the allocation of the whole funding available for each ERC sector, according to the calculation procedures as set by article 4, paragraph 8 of the Directorial Decree n. 1409/2022;
- IN ACCORDANCE WITH** Directorial Decree n. 1031 of 11 July 2023 by which, further to the note by CINECA n. 13356 of 11 July 2023 concerning occurrence of a clerical error in the distribution of funds as of the above mentioned D.D. n. 576/2023, the new funding for each ERC sector within the call PRIN 2022 PNRR was correctly established;

- CONSIDERING** that by the aforementioned D.D. n. 1031 of 11 July 2023 to the sector PE9 - Universe Sciences the following funds have been allocated, which have been subdivided according to the lines of intervention:
- a) Intervention Line A - "Main": € 1,694,319.00, of which € 299196.00 are reserved to fund projects presented by PIs under 40 years of age;
  - b) Intervention Line B - "Sud": € 291,771.00, of which € 291,771.00 are reserved to fund projects presented by PIs under 40 years of age;
- IN ACCORDANCE WITH** Directorial Decree n. 1294 of 4 August 2023 by which for the Call PRIN 2022 PNRR as set in the DDG Directorial Decree n. 1409 of 14 September 2022, "is approved the final ranking list of the project proposals relevant to the "intervention lines A and B" of the Macrosector PE Physical Sciences and Engineering sector PE9 – "Universe Sciences", as defined in Table A – Ranking list" (for all projects with score at least equal to 75) which is integral and essential part of this Decree;
- IN ACCORDANCE WITH** the DD.DD. n. 580 of 3 May 2023 and n. 1004 of 5 July 2023 through which the Evaluation Committees of the Call PRIN 2022 PNRR were appointed;
- IN ACCORDANCE WITH** the Decree of eligibility for financing of the Call PRIN 2022 PNRR – Directorial Decree n. 1409 dated 14 September 2022 of the ERC Sector PE9 "Universe Sciences" of the Ministry of University and Research – Secretariat General – General Direction of Research, Office III, number 1387 dated 1 September 2023;
- IN ACCORDANCE WITH** "Attachment A – List of projects eligible for financing" which forms integral and essential part of the aforementioned decree through which is eligible for financing the proposal entitled "**Next-generation computing and data technologies to probe the cosmic metal content**" code: PRIN 2022 PNRR P2022ZLW4T whose Principal Investigator (PI) is Dr. Paramita Barai;
- IN ACCORDANCE WITH** the Act of obligation and acceptance of the decree of eligibility for financing of the research project of relevant national interest (PRIN) code : PRIN 2022 PNRR P2022ZLW4T, title "**Next-generation computing and data technologies to probe the cosmic metal content**"
- CONSIDERING** the request from the PI Dr. Paramita Barai dated October 31, 2023, registered with number 2735 with date November 6, 2023, to issue a public call for the selection for qualifications and possible interview for the assignment of n. 1 Research Fellowship of the Post Doc type of the duration of 1 year, renewable, entitled "**Execution and analyses of Cosmological Hydrodynamical Simulations to investigate metal distribution in the CGM and IGM**" within the research project "**PRIN 2022 PNRR P2022ZLW4T**";
- CONSIDERING** that the annual cost of the Fellowship inclusive of the social security costs charged to the Institution, as established above, is of euro 37,007.00, of which euro 30,000.00 are to be paid to the fellowship holder, and euro 7,007.00 for the payment of the social security deductions to be charged to the Institute;
- CONSIDERING** that for the aforementioned purpose it is necessary to initiate a selection procedure for the awarding of a research fellowship;

**IN ACCORDANCE WITH** the Decision dated December 29, 2022, number 127, through which the Management Board of the National Institute for Astrophysics (INAF) adopted the Annual Budget of INAF for the Financial Year 2023;

**ASCERTAINED** the financial availability in the relevant Expenditure Item 1.01.01.01.009 "Research Fellowships" of the aforementioned Budget of Cost Center 1.04 (INAF - Trieste Astronomical Observatory), amounting to € 37,007.00 under the Function Objective 'Function Objective 2.06.02.03 - "PRIN 2022 PNRR P2022ZLW4T - Next-generation computing and data technologies to probe the cosmic metal content (ref. Paramita Barai)", CUP: C53D23010020001

## DECREES

### Art. 1- Research Project

1. A call is open for a selection procedure on the basis of candidates' qualifications, integrated by an interview, for the assignment of one **"Post Doc Research Grant"** of the duration of one year, with a possible extension, entitled: ***"Execution and analyses of Cosmological Hydrodynamical Simulations to investigate metal distribution in the CGM and IGM"***.
2. The selection is aimed at the acquisition of one personnel unit whose task is the development and implementation of codes for the postprocessing of data obtained from cosmological simulations aimed at calculating the distributions of metals around galaxies in the circumgalactic and intergalactic medium.
3. Research will be carried out at INAF-OATs under the scientific supervision of Dr. Paramita Barai.
4. The fellowship is aimed at this specific research project, and was not announced with the aim of recruitment programming either of the Institute or of the project itself, but of offering the opportunity to carry out research activities in the framework of the project to candidates who deem it useful to their professional growth.
5. We specify that the aim of this selection procedure is to:  
***offer the opportunity of professional development to young candidates holding research master degrees, to research fellows and to fixed-term contract staff who wish to engage in the national and international research environment, with a view to turnover and mobility, which means recruitment of specific professional skills within fixed-term projects and/or activities; to appoint in this way positions which are external to recruitment programming of permanent staff positions and therefore do not represent any binding prerequisite for access to permanent staff positions of the Institute.***
6. Further questions on the scientific project can be addressed to prof. dr. Paramita Barai (e-mail: paramita.barai[at] inaf.it).

### Article 2

#### Admission Requirements

1. Applicants to this **Call** are required the following:
  - a) Master degree issued according to the previous Italian University regulations or Degree (2<sup>^</sup> level) either in Physics, Astronomy or Astrophysics, obtained before the

- Reform introduced by Italian Ministerial Decree (DM) n. 509/09 (Diploma di Laurea), namely the classes of specialist higher education (Lauree Specialistiche), namely the classes of Lauree Magistrali which have been considered equivalent to the above mentioned Diploma di Laurea as per DM of 9 July 2009, or equivalent foreign degree, provided that the relevance of the Degree or of the equivalent qualification will be ascertained by the **“Selection Board”** further mentioned in article 8;
- b) PhD degree or equivalent degree either in Physics, Astronomy or Astrophysics, also if awarded abroad, provided that the relevance of the PhD degree or of the equivalent title will be ascertained by the **“Selection Board”** further mentioned in article 8; or alternatively
  - c) Master degree issued according to the previous Italian University regulations or Degree (2<sup>^</sup> level) either in Physics, Astronomy or Astrophysics, obtained before the Reform introduced by Italian Ministerial Decree (DM) n. 509/09 (Diploma di Laurea), namely the classes of specialist higher education (Lauree Specialistiche), namely the classes of Lauree Magistrali which have been considered equivalent to the above mentioned Diploma di Laurea as per DM of 9 July 2009, or equivalent foreign degree, provided that the relevance of the Degree or of the equivalent qualification will be ascertained by the **“Selection Board”** further mentioned in article 8; **and subsequent documented experience of at least 3 years in scientific, technological or managerial activities;**
2. For the purposes of admission to this selection procedure only, the equivalence of qualifications obtained abroad will be ascertained by the “Selection Board” further mentioned in Article 5, on the basis of the documentation produced by the applicant in question compliant to Article 4, paragraph 1, letter d), case 2), of this **“Call”**. Should such applicant be successful, the Administration, upon accepting the assessment of the “Selection Board” will send the assessment report, together with the required documentation mentioned in Article 3, paragraph 2, letter a) or b) of the Decree of the President of the Republic n. 189 of 30 July 2009 and with the application itself, to the Italian Ministry of University and Research in order to obtain their formal advice as foreseen by Article 4, paragraph 2 of the Decree.
  3. Preferential qualifications will be considered the knowledge and experience in the following research fields:
    - a) Data analysis and modelling, in particular in the field of lensing with galaxy clusters;
    - b) Code development and numerical simulations;
    - c) Development and/or use of machine learning algorithms.
  4. In addition to the requirement mentioned in previous paragraph 1, applicants to this **Call** must possess the following:
    - a) Italian citizenship, with the following exceptions:
      - Applicants holding the citizenship of a Member State of the European Union;
      - Applicants not holding the citizenship of one EU Member State, but a residence permit or a permanent residence permit, as provided for by Article 38 of Legislative Decree No. 165 of March 30, 2001, as amended and supplemented;
      - applicants not holding the citizenship of one EU Member States or a temporary or a permanent permit of stay pursuant to Article 38 of the Italian Legislative Decree n. 165 of 30

- March 2001 as amended and supplemented, provided that the foreseen conditions of paragraph 5 below are met;
- b) Registration in the electoral rolls of their residence place (**for Italian citizens only**);
  - c) age not less than eighteen years;
  - d) enjoyment of civil and political rights;
  - e) no criminal convictions;
  - f) no pending criminal proceedings;
  - g) good knowledge of the English language, both written and spoken.
5. According to Article 3 of President of the Council of Ministers Decree No. 174 of February 7, 1994, citizens of EU Member States, as well as citizens of non-EU States, must:
    - a) possess all the requirements listed in this "Call," except for the Italian citizenship;
    - b) enjoy civil and political rights also in their countries of origin;
    - c) have an adequate knowledge of the Italian language.
  6. All the requirements detailed by this "Call" must be possessed by the deadline for the submission of applications.
  7. Applicants will be admitted to the selection procedure subject to subsequent verification of the actual possession of the requirements of this "Call" and declared in their respective applications.
  8. Failure to meet only one of the requirements listed in this "Call" will result in exclusion from the selection procedure.
  9. Exclusions from the selection procedure, regardless of the cause, may be decided at any time by duly motivated provision of the Director of the "**Astronomical Observatory of Trieste- National Institute for Astrophysics**" upon recommendation of the "**Secretary**" of the "**Selection Board**," in his/her capacity as the "**Responsible for the Procedure**".

### Article 3

#### Terms and Methods of application submission

1. The application for admission to the selection procedure, on plain paper and exclusively in Italian according to the template provided in "**Attachment A**" of this "Call," accompanied by all necessary documentation, must be submitted, under penalty of exclusion, no later than December 18, 2023 **at 11:59 PM (Italian time)**, provided that the date and time of submission of the application will be certified by the computer system. Applications submitted after the above deadline will not be considered.
2. Applications to this "Call" must be submitted, **under penalty of exclusion**, via certified electronic email (PEC) or electronic email, in "PDF" format, to the address: [inafoatrieste@pcert.postecert.it](mailto:inafoatrieste@pcert.postecert.it) writing in the subject line of the email: "**Selezione per il conferimento di un assegno di ricerca—Execution and analyses of Cosmological Hydrodynamical Simulations to investigate metal distribution in the CGM and IGM**".
3. Applications submitted by ordinary email and not by certified electronic mail or applications submitted by certified electronic mail holders other than the applicants will not be accepted.
4. Applications submitted in violation of the provisions detailed in the preceding points of this article will be considered ineligible.
6. Applications must be signed with a certified digital signature or, alternatively, with a handwritten signature and transmitted together with a copy of a valid identity document.

7. The signature on applications is not subject to authentication compliant with Article 39 of the Decree of the President of the Republic n. 445 of 28 December 2000 as amended and supplemented.

8. Applicants will be excluded in any case by the selection procedure of this “Call” by means of motivated provision of the Director of the "**Trieste Astronomical Observatory-National Institute for Astrophysics**" under the following circumstances:

- a) Applications are not signed as per Paragraph 6. of this Article.
- b) Applications are submitted after the deadline set in accordance with paragraph 1. of this article.

#### Article 4

##### How to apply to this “Call”

1. Pursuant to articles 46, 47, 75 and 76 of the Decree of the President of the Republic n. 445 of 28 December 2000 as amended and supplemented, applicants must, under their own responsibility, certify that:

- a) The family name, first name, place and date of birth, permanent address and fiscal code provided in the applications are true and correct;
- b) They hold the Italian or other citizenship, according to the indications of Article 2 paragraph 3. letter a) of this “Call” ;
- c) They enjoy civil and political rights, specifying in what Municipality electoral roll they are registered, or alternatively, explaining the reasons for non-registration or cancellation from the aforementioned lists;
- d) They hold one of the required titles as per Article 2, paragraph 1. letters a), b) and c) of this “Call” specifying:

\* The year in which it was obtained, the university, institute, organization, research center, or other qualified public or private entity, including foreign ones, that issued it, and the final grade.

\* In the case of documented experience in the proposed research activities as per Article 1, point 2. of this “Call”, the relevant periods and the universities, institutes, organizations, research centers, or other qualified public and private entities, including foreign ones, where it was acquired,

on the conditions that:

- Applicants holding educational qualifications obtained abroad are required to explicitly clarify if, according to the relevant regulation, the qualifications have already been recognized or declared as equivalent to one of the eligible titles for admission to this selection procedure.

- In the absence of the declaration referred to in this paragraph 1., applicants must attach a copy of the qualification(s) as per letter d) of paragraph 1) above, or alternatively, any documents that attest to the educational qualification held, the list of taken examinations and/or the training and research activities carried out, as well as the final score, so as to enable the Selection Board to acquire all necessary elements for assessing the equivalence of the qualifications to those required for admission to this “Call.”

- e) They have, or have not, been convicted of any crime, mentioning any criminal conviction even if Pardon, Cancellation or Conditional Pardon has been granted, or else a Plea Bargain has been agreed compliant with article n. 444 and following articles of the Criminal Procedure

Code (**this declaration must always be provided either in absence or in presence of criminal conviction**);

- f) They have, or have not, criminal proceedings pending against them (**this declaration must always be provided either in absence or in presence of criminal proceedings**);
- g) They commit not to receive any other scholarships whatsoever for the whole duration of the research activity, except for those provided for in Article 9 of this "Call."
- h) If they have previously held other grants, research fellowship or other types of collaboration contracts issued by other public or private Institutions and their duration;
- i) Knowledge of the English language;
- j) to provide the postal address to which all communications relevant to this selection procedure are to be sent;
- k) To acknowledge to have read and understood the regulations of the present call.

2. Citizens of EU Member States must also declare the possession of the requirements provided for in Article 3 of the Prime Minister's Decree of February 7, 1994, No. 174, as specified in Article 2, paragraph 4., of this "Call."

3. Applicants who, although not citizens of a EU Member State, are nonetheless holders of the right of residence or permanent residence, pursuant to Article 38 of Legislative Decree of March 30, 2001, No. 165, as amended and supplemented, must also declare the possession of the requirements requested under Article 2, paragraph 4., of this "Call."

4. Applicants who do not hold the citizenship of a EU Member State and who do not have the right of residence or permanent residence, according to Article 38 of Legislative Decree No. 165 of March 30, 2001, as subsequently amended and supplemented, must provide documentation of the requirements set out in Article 2 of this "Call" by submitting appropriate certificates and/or attestations issued by the competent authority of the foreign country of origin, accompanied by a certified translation into Italian by the Italian consular authority attesting to its conformity with the original, with prior warning to the applicants of the criminal consequences of producing false or otherwise untrue documents or acts.

5. Applicants not holding the Italian citizenship must in any case submit their applications in Italian and according to the terms and conditions of this "Call".

6. All applicants are also required to:

- a) indicate their contact details for receiving any communications related to this selection process, including telephone numbers and email addresses;
- b) promptly notify any subsequent changes to the aforementioned contact details through the same means of submission used for their application.

7. Applications must be accompanied by:

- a) the applicant's "*curriculum vitae et studiorum*" (CV), written in Italian or English, dated and signed, which must also include a descriptive report of all professional activities carried out;
- b) a copy of the certificate or, alternatively, a declaration whereby the applicant states that he/she holds the degree or qualification in question, pursuant to articles 46, 47, 75 and 76 of the Decree of the President of the Republic n° 445 of 28 December 2000, as subsequently amended and supplemented, so attesting, in accordance with Paragraph 1. letter d), point 2) of this article, the applicant's academic qualifications;

c) a complete list of the qualifications deemed suitable to demonstrate the applicant's experience as well as his/her aptitude for research activities, and previous academic and/or professional experiences in the activities covered by this "Call".

d) a comprehensive list of publications related to the same activities mentioned in above letter c), dated and signed, containing all relevant information regarding the titles of the publications, journals, years of publication, author lists, and web addresses where they can be accessed;

e) a copy of a currently valid identity document.

8. The "**curriculum vitae et studiorum**" referred to in paragraph 7, letter b), of this article must be in "Europass" format or, in any case, a format with a similar structure and content, and in accordance with the provisions of Articles 46 and 47 of Presidential Decree No. 445 of December 28, 2000, as subsequently amended and supplemented, in order to certify the truthfulness of its content. Applicants are reminded of the legal consequences deriving from the submission of false statements or documents as per articles n. 75 and 76 of the same Decree and of the relevant special current regulations.

9. Applicants with a disability as per Law No. 104 of February 5, 1992, as subsequently amended and supplemented must explicitly request the necessary assistance, in relation to their specific situation, in order to take the interview.

10. For the purposes specified in paragraph 9. of this article, as indicated in the Circular of the Department of Public Administration dated July 6, 1999, No. 6, applications must be accompanied by a certification issued by an appropriate healthcare facility specifying, with regard to the applicant's disability or handicap, the essential elements to allow the Astronomical Observatory of Trieste to prepare in due time the means and tools necessary to ensure the smooth conduct of the aforementioned interview.

11. The Astronomical Observatory of Trieste assumes no responsibility for:

a) loss or non-delivery of communications directed to applicants, or for delays or other inconveniences or misunderstanding attributable to postal or telegraphic services;

b) loss or non-delivery of communications attributable to applicants' failure to promptly report changes in their place of residence and/or the address indicated in the application, including the ordinary or certified email address;

c) any misunderstandings or delays attributable to third-party actions, fortuitous events, or force majeure.

12. For communications related to this "Call" the Astronomical Observatory of Trieste will exclusively use the certified or regular email addresses indicated in the applications.

13. In the event that a non-certified email address is used for communications, applicants must confirm receipt of the communication.

14. In order to be assessed as per Article 6 below, submitted qualifications must be substantiated as follows:

a) Qualifications issued by Public Administrations and Public Service Managers: through a declaration whereby applicants state that they hold the degree or qualification, pursuant to articles 46 and 47 of the Decree of the President of the Republic n° 445 of 28 December 2000 as amended and supplemented, using the apposite template (**Attachment B**);

b) Qualifications issued by entities other than Public Administrations and Public Service Managers: through one of the following methods:



- i. Declaration whereby applicants state that they hold the degree or qualification, pursuant to articles 46 and 47 of the Decree of the President of the Republic n° 445 of 28 December 2000 as amended and supplemented, using the apposite template (**Attachment B**);
  - ii. Original document;
  - iii. Certified copy of the document;
  - iv. Photocopy of the document, along with a declaration whereby applicants state that they hold the degree or qualification, pursuant to articles 46 and 47 of the Decree of the President of the Republic n° 445 of 28 December 2000 as amended and supplemented, using the apposite template (**Attachment B**);
15. In the case of electronic documents, only non-editable static formats, preferably "PDF" or "TIFF," should be used, under penalty of exclusion.
16. Regarding the verification of declarations submitted for the purposes of this "Call", legal provisions of article 75 and 76 of the Presidential Decree No. 445 of December 28, 2000, as subsequently amended and supplemented, and Law No. 183 of November 12, 2011, apply.

## Article 5

### Overlapping and incompatibility

1. Research fellowships cannot be awarded to personnel employed by the "**National Institute for Astrophysics**" either on fixed-term or on permanent contracts, and to personnel employed by the Institutes listed in Article 22, paragraph 1 of Law no. 240 of 30 Dec. 2010, as amended and supplemented.
2. In accordance with Article 22, paragraph 3 of Law n. 240 of 30 Dec. 2010, entitlement to the fellowship is incompatible with enrolment in University Bachelor degree courses, Master degree courses, PhD courses with scholarship, Specialty Medical Training courses both in Italy and abroad, and in First and Second Level Post-graduate University courses.
3. Entitlement to the fellowship involves compulsory unpaid leave for employees of the Italian Public Administration, also in case of part-time employment.
4. Fellowships cannot be held contemporarily with other grants of whatever kind, with the exception of those awarded by Italian Institutes, among which is also the "**National Institute for Astrophysics**", or by foreign Institutes, both international or supranational, with the aim of integrating the research activities carried out by the fellowship holders through periods spent abroad.
5. Fellowships cannot be cumulated with emoluments for continuative work activities, also in case of part-time activities.
6. Instead, limited self-employed occasional work is compatible with the research fellowship, provided that it is not in conflict with the research activity carried out on behalf and in the interests of the "**National Institute for Astrophysics**", or may cause delayed performance of the activity.
7. The activity of paragraph 6. above must be in any case previously authorized by the Director of the Astronomical Observatory of Trieste after hearing the Responsible for the Research Programme.
8. Research fellowships cannot be awarded to retired personnel either of the "**National Institute for Astrophysics**", or of other Research Institutes or Universities.

9. The total duration of work relationships with holders of research fellowships, according to Article 22 of Law n. 240 of 30 December 2010, also in case fellowships were awarded by different Universities, either public or private, or online universities, as well as by other institutes or by public institutes, according to what foreseen by the above mentioned legislation cannot in any case exceed six years, also non-continuous, with the exclusion of periods of maternity leave or absence due to sick leave as foreseen by the law in force.

## Article 6

### Location and length of the fellowship

1. The location of the research activities is INAF-Osservatorio Astronomico di Trieste.
2. The length of the fellowship is **1 year, renewable** according to the requirements of the research project and to availability of funding, within the limitations provided by article 22 of Law n. 240/210 and subsequent amendments and integrations.

## Articolo 7

### Emoluments

1. The grant is worth **30,000.00** Euros gross per year.
2. This amount is net of burdens to be charged to the **“National Institute for Astrophysics-Astronomical Observatory of Trieste”** and will be paid in deferred monthly instalments.
3. The cost deriving from this grant for a total of € 37.007,00 will be charged on the funds assigned in the 2023 Budget on Cost Center 1.04 (INAF - Trieste Astronomical Observatory), under the Function Objective 'Function Objective 2.06.02.03 *“PRIN 2022 PNRR P2022ZLW4T - Next-generation computing and data technologies to probe the cosmic metal content (ref. Paramita Barai)”*, CUP: C53D23010020001.
4. It is arranged that the Budget Office will proceed with the budget transfer within the related Objective Function which may be deemed necessary for proceeding with the commitment of expenditure as recalled in the premises of this Directorial Provision and to reset, with a change in commitment, the sums that are still available at the end of the contract or at the end of the relevant financial year.
5. Tax legislation applied to research fellowships are the dispositions of article 4 of Law 335 of 13 August 1995, as amended and supplemented.
6. Applicable rules for obligatory maternity leave are provided in the Decree of the Ministry of Labour and Social Security dated 12 July 2007, published in the “Gazzetta Ufficiale” n. 247 dated 23 October 2007. Applicable rules for sick leave are provided by art. n. 1, paragraph n. 788 of Italian law n. 296 dated 27 December 2006 and subsequent modifications.
7. During the period of obligatory maternity leave the allowance paid by INPS (Italian national institute for social security) according to art. n. 5 of the above Decree dated 12 July 2007 is supplemented by the **“National Institute for Astrophysics”** up to the total amount of the grant.
8. The period of obligatory maternity leave will not contribute to the duration of the grant foreseen by the contract.
9. Pursuant to article 7, paragraph 11 of this **“Call”**, the grant holder must draw up at his/her expenses an insurance policy against accidents at work, which must be presented at the time of signing the contract.

## Articolo 8 Selection Board

1. The "**Selection Board**" is appointed by provision of the Director of the Astronomical Observatory of Trieste upon request of the Scientific Responsible, and is composed of the Chair and two members, in compliance with the provisions of the "**Disciplinare per il conferimento di assegni per lo svolgimento di attività di ricerca**" (Regulations for the award of fellowships for research activities), as recalled in the foreword of this "**Call**".
2. By the above provision the "**Secretary**" of the "**Selection Board**" will be also appointed. The Secretary will also act as "**Responsible of the Procedure**", with the specific task to verify and guarantee the formal regularity of the selection procedure.
3. In the course of the first meeting, which can be also held in remote mode, the "**Selection Board**" will establish the following:
  - a) criteria and modality of evaluation of qualifications and interview, which must be explicitly specified in the meeting record, with the aim of assigning respective scores.
  - b) the schedule of the possible interview.
4. The "**Selection Board**", with the scope of defining the criteria for the evaluation of both requirements and interviews, must follow the general principles of the "**European Charter for Researchers**".
5. The "**Selection Board**", can assign to each candidate a total ranking score which will not exceed 100, subdivided as follows:
  - a) **60** marks for qualifications evaluated according to article 6 of this "**Call**".
  - b) **40** marks for the interview.

## Article 9 Selection procedure and evaluation of qualifications

1. The selection is based on qualifications and interview.
2. Qualifications to be evaluated, within the maximum score of **40 marks**, are the following:
  - a) **curriculum vitae et studiorum**: up to a maximum of 35/60 scores;
  - b) **scientific-technical publications** relevant to the scope of this call: up to a maximum of 10/60 scores;
  - c) **other qualifications** (prizes, grants, additional educational titles other than those required, etc.): up to a maximum of 5/60 scores.
  - d) **Two letters of reference**: up to a maximum of 10/60 scores
  - e) **Seniority on research activities**: higher scores will be assigned to the shortest period of time elapsed since attainment of the degree (specialist, master's degree or old system): up to a maximum of 3/40 scores.In case of equal scores, the PhD title will be considered as preferred qualification
3. Applicants whose qualifications score is evaluated not lower than **31/60** marks will be admitted to the possible interview.
4. The scope of the interview, which could also take place by videoconference, is to assess the professional level of the applicant and his/her aptitude for performing the research activities which are object of the project proposed in accordance with Article 1, paragraph 3 of this "**Call**". During the interview the Selection Board will ascertain the candidate's knowledge of the English language.

5. Applicants admitted to the interview will be summoned by a specific notice sent either by electronic certified mail or by ordinary electronic mail, with acknowledgment of receipt of the notice, at least 15 days before the date of the scheduled interview.
6. In the above notice the following will be communicated:
  - a) the total score obtained by the candidate after evaluation of the qualifications;
  - b) day, time, and venue of the interview.
7. For admission to the interview, applications must provide their identity documents with current legal validity.
8. In case interviews take place in videoconference mode, adequate measures will be taken to ensure compliance with the principles of publicity, transparency and impartiality.
9. Conversely, in case interviews take place on-site, the following measures must be taken:
  1. for conducting the interviews, a room open to the public must be used, with space capacity suited to enable maximum participation;
  1. after each session of interviews, the **Selection Board** will prepare the list of examined candidates with indication of marks assigned to each of them;
  1. the above list, undersigned by the **"President"** and by the **"Secretary"** of the **"Selection Board"**, will be posted at the entrance of the room where the interviews are conducted;
  1. at the end of each session the Selection Board will draw up the relevant official report which will display the marks obtained by each individual candidate for the interview;
10. Applicants are deemed to have passed the interview, in case it was performed, if they obtain at least **42/60** marks.
11. The total score assigned to each candidate is determined by the sum of the marks assigned to qualifications and to the interview.
12. At the end of the selection procedure the **"Secretary"** of the **"Selection Board"**, who is also **"Responsible for the Procedure"**, will submit the relevant acts, together with the **"final ranked list by merit"**, to the Director of the Astronomical Observatory of Trieste.
13. The **"final ranked list by merit"** of the selection procedure is approved by decree of the Director of the Astronomical Observatory of Trieste and will be posted on the **"Website"** of the **"National Institute for Astrophysics-Astronomical Observatory of Trieste"**, at the following link <https://www.oats.inaf.it>, Section **"Job opportunities"**.

## Article 10

### Award of the fellowship and stipulation of the contract

1. The successful candidate of the selection procedure will be formally summoned to stipulate the contract for research activities.
2. The successful candidate of the selection procedure loses the right to the fellowship in case he/she fails to sign the contract within the deadline established in the summon notice of paragraph 1 of this Article, except for cases of objective and proven impediment and/or in case of force majeure.
3. Signing of the above contract in any case will not establish either a subordinate employment relationship or give any rights to the fellowship holder to access to the Institute's staff positions.
4. Within ten days from the notification of the result of the selection, the successful candidate must issue a formal declaration of acceptance of the fellowship and concurrently state that she/he is not subject to any of the incompatibility conditions foreseen in article 9 of this **"Call"**.

5. In case the successful candidate possesses an education qualification obtained abroad that has not been already declared equivalent, according to the Italian law in force, to one of the qualifications listed in Article 2, point 1, letter a), b) or c) of this **“Call”**, the Administration, after adopting the results of the verification performed by the **“Selection Board”** with the sole scope of admission to the procedure, will forward the above results, 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 dated 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.
6. In case of positive opinion of the Ministry of University and Research or in case of expiry of the time limit by which the opinion must be returned, the Astronomical Observatory of Trieste, by provision which will be communicated both to the candidate and to the Ministry, will apply the acknowledgment of the education qualification and will authorize the assignment of the fellowship for execution of research activity.
7. In case of negative opinion of the Ministry of University and Research, the Astronomical Observatory of Trieste provides that the qualification is not valid for admission to the selection procedure by provision that will be communicated both to the candidate and to the Ministry, with the consequent exclusion of the candidate, and authorizes to scroll the ranking list and to award the fellowship to the next eligible candidate of the ranking list.
8. In the declarations of acceptance above, the fellowship holder shall make the commitment on his/her own responsibility that for the whole duration of the research fellowships he/she will not hold either any grants except those awarded by Italian or foreign institutions with the aim of integrating the fellow's research activity, or any subsidies, or any other fellowships.
9. Within the same deadline stated in paragraph 4 of this Article, the successful candidate of the selection procedure who intends to renounce the fellowship must send specific communication to the Direction of the the **“National Institute for Astrophysics-Astronomical Observatory of Trieste”**.
10. In case the successful candidate specifically declares, by the procedure defined in paragraph 9 above, to renounce the assignment of the fellowship, or for any other reason it is not possible to stipulate the relevant contract with the successful candidate, the grant holder decides to renounce the contract or loses the right to the contract, or the contract is terminated, the **“National Institute for Astrophysics-Astronomical Observatory of Trieste”** reserves the right to award the fellowship to the next eligible candidate according to the ranking of the **“final ranked list by merit”** which was approved and published as foreseen by Article 6, paragraph 11 of this **“Call”**.
11. Prior to starting his/her research activities, the holder of the fellowship is bound, under penalty of forfeiture of the right to the fellowship, to stipulate a specific insurance policy against accidents at the workplace.
12. Instead, as for third party liability, the holder of the fellowship will receive insurance coverage drawn up by the **“National Institute for Astrophysics”** at its own expenses.
13. The insurance policy in the previous point does not cover the civil liability of the fellowship holder towards the Institute.
14. The holder of the fellowship can terminate the contract by written notice of at least **30 days**.
15. The notice term starts from day 1 or day 16 of every month.
16. In case of failing of the prior notice, the Institute is entitled to recover the amount corresponding to the notice time-span that was not communicated from the salary still to be paid to the fellowship holder.

17. In any case, revoking the selection procedure of this "**Call**", which constitutes the necessary prerequisite for awarding the fellowship, is ground for termination of the relevant contract, without prior notice and without prejudice to the payment of the salary foreseen for possible activities already provided.

## Article 11

### Starting date and obligations

1. The starting date of the fellowship is established by the Director of **INAF - Osservatorio Astronomico di Trieste** with the summon notice for the stipulation of the contract.
2. The activation of the contract is due **on March 1<sup>st</sup>, 2024**. The precise starting date could be reasonably delayed in case of necessity of completion of the administrative procedures and/or for the cases foreseen by article 10 of this call.
3. The holder of the fellowship must fulfil the following obligations:
  - a. To sign preliminarily the contract which sets the rules for the collaboration to the foreseen research activities and for whatever else is envisaged.
  - b. To start on the due starting date, except for any temporary motivated impediment which must be promptly communicated to the Observatory at the date set in the contract for the research activity at the premises of **INAF - Osservatorio Astronomico di Trieste**;
  - c. To continue the research activities regularly and without interruptions for the whole length of the fellowship;
  - d. To comply with all internal regulations and other dispositions set by the Director and by the Scientific Responsible of the research program;
4. The grant holder who, after starting the foreseen research activity, does not pursue it regularly and continuously for the whole length of the fellowship without producing any justifiable reasons, or is liable of grave and repeated fault, or finally, according to the motivation of the Scientific Responsible shows proof of evident inadequate ability to carry out the research program, will incur in the termination of the contract with the consequence of the further exclusion from the fruition of the fellowship through motivated decision of the Director.
5. The fellowship holder will be informed of the possible internal procedure for the termination of the contract, and he/she will have the right to submit any personal counter-arguments on the matter by means of written notice addressed to the Director of the Observatory.
6. The fellowship holder will be informed by motivated notice about the conclusion of the procedure, both in case of straightforward return on record without further consequences, and in case of effective decision of termination of the contract.
7. Temporary suspensions of the fruition of the research fellowship can be justified only in case the fellowship holder needs to be absent during pregnancy and maternity, and for sick leave with duration exceeding one month, or for any other serious reason.
8. The reasons for the suspension of the fellowship must be proven and documented accordingly, and must be promptly communicated to the Observatory.

## Article 12

### Evaluation of research activity

1. The fellowship holder is subject to evaluation according to the frequency basis established in the contract, and to this aim he/she is bound to draw up detailed written reports on the research

activities that were carried out, which are to be submitted to the evaluation of the Supervisor who will approve them by issuing motivated assessments.

2. In case the Supervisor/Scientific Responsible, by adequate motivation of decision, fails to approve the report on research activities carried out by the fellowship holder, the Director of the **“National Institute for Astrophysics-Astronomical Observatory of Trieste”** will proceed to the termination of the relevant contract as of right.

### Article 13

#### Responsible for the procedure

1. In accordance with Law No. 241 dated 7 August 1990 and subsequent modifications and integrations, the person **“Responsible for the Procedure”** is Dr. Mirella Giacchetti, classed in the professional profile: Funzionario di Amministrazione, staff member of the **“National Institute for Astrophysics-Astronomical Observatory of Trieste”**.

### Article 14

#### Processing of personal data

1. According to Article 13 of the **“Regulation of the European Parliament and of the Council of 27 April 2016 No. (UE) 2016/679 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”**, also called **“General Data Protection Regulation”**, the **“National Institute for Astrophysics”** in its capacity as controller informs that processing of personal data made available by the candidates who applied to the selection procedure of this **“Call”**, or otherwise were acquired for this purpose by the above **“Institute”**, aims only to carry out activities and to take acts and provisions foreseen by the above procedure, and that it will be performed by persons in charge of conducting it, including the members of the **“Selection Board”**.
2. Processing of data will be performed by use of specific procedures, also computerized, with the modes and within the limits deemed necessary to pursue the finalities specified in the above point 1, also in case of possible communications to third parties.
3. Providing personal data is necessary for the verification that the candidate possesses the qualifications for participation to the selection, and failure in their provision can prevent such verification.
4. The data subjects shall have the rights as of Article 15 and subsequent articles of the **“General Data Protection Regulation”** and, in particular, the right to access to their personal data, to rectification, to erasure, to restriction of processing, and also the right to object to processing of personal data. Such rights can be exercised by issuing a specific requests to the **“National Institute for Astrophysics”**, headquartered in Rome, address; Viale del Parco Mellini No. 84, Postcode: 00136, through the procedures described in the following paragraph.
5. The rights stated in point 4. above can be informally exercised by sending a request to the **“Data Protection Officer”** of the **“National Institute for Astrophysics”**:
  - a) by registered post with acknowledgment due to be sent to the address specified in point 4. of this Article;
  - b) By e-mail message to the following address: [rpd@inaf.it](mailto:rpd@inaf.it);
  - c) By electronic certified mail message to the following address: [rpd-inaf@legalmail.it](mailto:rpd-inaf@legalmail.it).

6. Subjects who consider that the processing of personal data infringes the provisions of the “**General Data Protection Regulation**” and the provisions of this Article have the right to lodge a complaint to the Data Protection Officer, as provided for by Article 77 of the aforementioned “**Regulation**”, or to lodge a complaint to the competent judicial authority pursuant to Article 79 of the same “**Regulation**”.

#### **Article 15** **Advertisement**

1. This “**Call**”, as well as the resulting acts, will be advertised through publication on the web page of the “**National Institute for Astrophysics**”, at the following link: “**www.inaf.it**”, Section “**Work with us**”; at the address: <https://www.oats.inaf.it> subsection “**Job opportunities**”, and on the web pages of the Ministero dell'Università e della Ricerca and of the European Union, according to the guidelines defined by the aforementioned Ministry.

#### **Article 16** **Applicable regulation**

1. For anything that is not envisaged and regulated by this “**Call**”, reference shall be made to the laws and regulations relevant to research fellowships.

Trieste, November 20, 2023

**THE DIRECTOR**

**Dr. Fabrizio Fiore**  
(*digitally signed*)