



Ministero
dell'Università
e della Ricerca



Protocol no. dated

HEAD OF THE ENTITY

SUBJECT: Call for a selection for the awarding of research assignments pursuant to Article 22-terof Law 240/2010.

Given the resolution/the decree of Wednesday, April 15, 2026 on DIPARTIMENTO DI FISICA E ASTRONOMIA , requesting the allocation of 1 grant research positions entitled “Development of high-throughput methods for deposition and characterization of photoelectrodes for solar conversion”, SSD - GSD PHYS-03/A - 02/PHYS-03; funded under HERMES MUR call FIS2 - Consolidator grant funds CUP: J53C25001840001, for the exclusive performance of research assistance activities, according to the attached activity plan;

Considering that the above-mentioned research assistance needs represented by DIPARTIMENTO DI FISICA E ASTRONOMIA can be met by means of a public selection procedure;

Having regard to the legislation referred to in Article 13 of this call for applications

ORDERS

Article 1 - Purpose of the selection and activities to be performed

To establish a comparative evaluation procedure by examination of qualifications and publications and an interview for the allocation of 1 grant research positions pursuant to Article 22-terof Law 240/2010, entitled “Development of high-throughput methods for deposition and characterization of photoelectrodes for solar conversion”.

The activity will be carried out according to the attached activity plan and under the supervision of a tutor identified by the Entity as Prof./Dr. RAFFAELLO MAZZARO, with no subordination ties and predefined working hours.

The prevalent location of the activity will be: DIPARTIMENTO DI FISICA E ASTRONOMIA , V.LE BERTI PICCHAT, 6/2, 40127, BOLOGNA.

Article 2 - Duration and amount of the research assignment

The research assignment has a duration of 12 months.

The gross amount of the research assignment is EUR 28.373,78 per year. The amount will be paid in equal monthly instalments in arrears.

Article 3 - Admission requirements

Young Italian or foreign scholars may take part in the selection procedures, who are in possession of a curriculum suitable for assisting in research activity and a second cycle/two-year master's degree or a single cycle master's degree, obtained no more than six years ago, belonging to the following classes:

Physics, Chemistry, Energy and Nuclear Engineering, Material Engineering, Electrical Engineering

Applicants with a degree obtained abroad not more than six years ago may also take part in the selection. In this case, documents must be attached to the application to enable the examination board to rule on equivalence. The qualification must be official in the university system of reference, issued by an institution officially accredited in the country of origin, and must be recognised by the Award Committee as equivalent, in terms of nature, level and disciplinary correspondence, to the Italian qualifications indicated above, for the sole purpose of awarding the assignment. In foreign university systems that provide for a single course of study that includes a second-level degree and a doctorate through the award of a single degree, the Award Committee shall assess the correspondence of the degree, even if it is of a higher level.

Applicants already in possession of such a degree on the expiry date of the call for applications may enclose the decree of academic recognition of the degree (issued pursuant to Article 74 of Italian Presidential Decree no. 382/1980, formerly equivalence, or Article 38 of Legislative Decree 165/2001).

Participation in this procedure is not permitted to:

- staff permanently employed by universities, public research organisations and institutions whose postgraduate scientific diploma has been recognised as equivalent to a doctorate in accordance with Article 74(4) of Presidential Decree no. 382 of 11 July 1980;

- persons who have held fixed-term researcher contracts pursuant to Article 24 of Italian Law 240 of 2010 (RTT, RTDa and RTDb)
- persons who are related up to and including the fourth degree of kinship and affinity to a professor within the Department proposing the activation of the contract or to the Rector, the Director General or a member of the Board of Governors of the University.
- persons who have already held research assignments in accordance with Article 22-ter of Law 240/2010 at the University of Bologna or other Italian state or independent universities, or online universities, or at the bodies referred to in paragraph 1 of the same Article, for a period which, added to the expected duration of the assignment referred to in this call for applications, exceeds a total of three years, even if not continuous. For the purposes of calculating the above total duration, periods spent on maternity or paternity leave or leave for health reasons under the applicable legislation are not taken into account;
- persons who have already held research contracts (Article 22 of Law 240/2010), post-doctoral assignments (Article 22-bis of Law 240/2010) and research assignments (Article 22-ter of Law 240/2010), even if awarded or stipulated by different institutions, for a period which, added to the expected duration of the assignment referred to in this call for applications, exceeds a total of 11 years, even if not continuous. For the purposes of calculating the above total duration, periods spent on maternity or paternity leave or leave for health reasons under the applicable legislation are not taken into account.

Article 4 - Submission of applications

The application to take part in the selection must be submitted exclusively online by accessing the website: <https://concorsi.unibo.it>, following the personal registration procedure as indicated in the same web procedure. The closing date for the submission of applications is Sunday, May 31, 2026 alle ore 23:59 - Europe/Brussels. Any applications after that date/time shall be excluded.

The date of receipt of applications is established and evidenced by the date indicated in the receipt sent online to the applicant.

In their application, applicants must declare, under their own responsibility:

1. name and surname;
2. place and date of birth;
3. nationality;
4. residence;
5. email address for communication purposes;
6. (if Italian citizens) that they are registered in the electoral rolls of their country of origin;
7. that they have never been convicted of any criminal offence and that they have no pending criminal proceedings; conversely, they must indicate the convictions (the date of the measure and the judicial authority that issued it) and any pending criminal proceedings. The existence of a previous criminal conviction is not in itself a cause for refusal of employment and it will be the responsibility of the Entity to ascertain the existence of the moral and aptitude requirements for carrying out the activity;
8. that they have the degree required in Article 3 of this call for applications with the relevant information;
9. that they are not permanently employed by the institutions referred to in Article 22(1) of Law 240/2010 (universities, public research organisations and institutions whose postgraduate scientific diploma has been recognised as equivalent to a doctorate in accordance with Article 74(4) of Presidential Decree 382 of 11 July 1980);
10. that they have not held fixed-term researcher contracts pursuant to Article 24 of Italian Law 240 of 2010 (RTT, RTDa and RTDb);
11. that they are not related up to and including the fourth degree of kinship and affinity to a professor within the Department that is proposing the contractual assignment or to the Rector, the Director General or a member of the Board of Governors of the University
12. that they have not already held research assignments in accordance with Article 22-ter of Law 240/2010 at the University of Bologna or other Italian state or independent universities, or online universities, or at the bodies referred to in paragraph 1 of the same Article, for a period which, added to the expected duration of the assignment referred to in this call for applications, exceeds a total of three years, even if not continuous. For the purposes of calculating the above total duration, periods spent on maternity or paternity leave or leave for health reasons under the applicable legislation are not taken into account;
13. that they have not already held research contracts (Article 22 of Law 240/2010), post-doctoral assignments (Article 22-bis of Law 240/2010) and research assignments (Article 22-ter of Law 240/2010), even if awarded or stipulated by different institutions, for a period which, added to the expected duration of the assignment referred to in this call for applications, exceeds a total of 11 years, even if not continuous. For the purposes of calculating the above total duration, periods spent on maternity or paternity leave or leave for health reasons under the applicable legislation are not taken into account;

14. for foreign citizens only, that they have adequate knowledge of the Italian language and enjoy civil and political rights also in the States of their nationality or origin.

Any communications will be sent to candidates exclusively via email, to the address provided in the application. The Alma Mater Studiorum - Università di Bologna accepts no liability with regard to the email not being received. Candidates, however, are responsible for keeping themselves informed by checking the call for applications website for information on the selection.

Applicants must enclose with their application:

- their scientific-professional curriculum;
- publications totalling a maximum number of 5;
- any additional documentation, deemed useful for the purposes of the assessment of qualifications, to supplement the curriculum (max. 5 attachments);
- a photocopy of a valid identity document.

Only documentation that is actually attached to the application can be evaluated.

Documents, publications and titles in English, French, German and Spanish can be produced in the original language. Documents and titles drawn up in other languages must be submitted in the original language with an Italian or English translation attached. The translation must be certified as conforming to the foreign text by the competent diplomatic or consular mission or by an official translator.

Article 5 - Compulsory requirements for applicants under penalty of exclusion

Applicants will be automatically excluded from the selection procedure in the following cases:

- Failure to comply with the deadlines and procedures for sending their applications;
- Lack of the requirement set out in Article 3 of this call for applications.

All applicants are admitted to the selection procedures subject to verification that they meet the relevant requirements for taking part in the selection; the Administration may decide to exclude an applicant from the selection at any time.

Article 6 – Award Committee

The Award Committee is appointed by order of the Head of the Entity and is composed of three members chosen from among professors or researchers, or members with an equivalent role if they come from foreign universities or research institutions, who are experts in the subject of the call for applications and chosen by the Entity that proposed the activation of the contract and, as a rule, are classified in the subject area or, subordinately, in the subject group in which the procedure has been advertised.

In order to ensure equal opportunities between men and women for access to work and treatment at work as provided for in Article 57 of Legislative Decree 165/2001, as a rule, the members are representatives of each gender.

The Committee shall appoint from among its members a chairperson and a secretary to take the minutes.

Notice of the Committee's appointment is published on the website of the Alma Mater Studiorum – Università di Bologna

Article 7 - Comparative evaluation of the applicants

The evaluation of the applicants is carried out by examining their qualifications and publications and an interview and is aimed at verifying the possession of a scientific-professional curriculum suitable for assisting in the research activity covered by this call for applications. The final score, equal to a maximum of 100 points in total, is given by the sum of the marks obtained in the assessment of qualifications and publications and in the interview, aimed at assessing the scientific maturity and preparation of the applicants, with particular reference to the activities covered by the selection.

A maximum of 60 points are awarded for the assessment of qualifications and publications and a maximum of 40 points for the interview.

Article 10 of the Regulations stipulates that the following are subject to evaluation of qualifications and publications:

- consistency of the degree for access to the selection with the project covered by the call for applications: up to a maximum of 25 points;
- consistency of additional qualifications with the project covered by the call for applications: up to a maximum of 10 points;
- the publications submitted in terms of originality, innovativeness, methodological rigour, relevance and congruence with the project covered by the call for applications. The Committee will only take into consideration publications or texts accepted for publication in accordance with the applicable regulations, as well as any essays included in collective works and articles published in journals in paper or digital format with the exclusion of internal notes or departmental reports: up to a maximum of 10 points;

- other qualifications related to previous activities (e.g. scholarships, participation as a speaker at conferences and congresses, receipt of prizes and awards for research activity, internships and training periods, etc.) duly certified: up to a maximum of 15 points. In accordance with the provisions of Article 10 of the University Regulations, it is hereby established that the qualifications and publications submitted by candidates will be evaluated according to the criteria set forth in the Annex to the call for applications. The same annex also sets forth the following evaluation criteria for the interview, which will take into account the candidate's motivation and aptitude, as well as their ability to present and summarize information. At its first meeting, the Committee shall establish the marks to be awarded in accordance with the criteria specified in the annex, subject to the maximum scores set in the Regulation. Following the assessment of qualifications and publications, applicants with a score of at least 40/60 shall be admitted to the interview.

The interview will be held in the English language.

The interview will be held in public so as to ensure maximum participation.

The list of those admitted to the interview will be announced by means of publication on the Calls, Tenders and Competitions website <https://bandi.unibo.it/ricerca/incarichi-di-ricerca> on Monday, June 15, 2026.

Wednesday, July 1, 2026 at 3 pm CEST Europe/Brussels in telematic mode. .

If the interview is conducted online, this will be performed via a video conference call on the Teams platform. The workstation through which the tests will be held must be equipped with a webcam –essential for recognition purposes – a microphone and headphones and/or speakers.

Applicants must attend the interview with an appropriate identification document.

Those with citizenship of an EU country must show their passport or an identity document issued by their country of origin. Those from non-EU countries must show their passport.

Failure to show up or late arrival at the interview on the scheduled date and time, even if due to force majeure, will be considered as a renunciation of participation in the selection process.

The interview is deemed to have been passed with a minimum score of 28/40. For those who have passed both tests, the final score is the sum of the scores obtained in the examination of qualifications and publications and in the interview.

For information, applicants can call or send an email to difa.contratti@unibo.it.....

Article 8 – Formulation of the ranking list

Once the interviews have been completed, the Committee shall draw up a ranking list, taking into account the overall marks awarded to the candidates. Where there is a tie, preference will be given to the younger candidate. The ranking list shall be approved by decree of the Head of the Entity, published on the University Website and will be valid for 6 months.

From the date of publication of that notice, the time limit for appeals begins to run, if the measure has not otherwise been made known.

If the successful applicants obtained their degree in a country outside the European Union, they must submit to the Entity the document needed for the purposes of the declaration of authenticity and equivalence of the second level degree (e.g. Diploma Supplement, Declaration of Validity (Dichiarazione di Valore) issued by the Italian Diplomatic Authorities in the country in which the qualification was obtained, certificate of authenticity and comparability issued by centres such as ENIC-NARIC) within 30 days of the issue of the decree approving the selection process documents. For information on the specific documentation to be submitted, applicants should consult the following page on the University Website: <https://www.unibo.it/it/studiare/iscrizioni-tasse-e-altre-procedure/lauree-e-lauree-magistrali/traduzione-autenticita-e-valore-dei-titoli-di-studio-esteri>. The right to enter into the contract will be withdrawn in the event that the documents are not received by the Entity by the aforesaid deadline.

Article 9 - Entering into the Contract

The successful applicant will be invited to enter into a contract for the research assignment with the Entity, which must be signed by the deadline set by the Entity.

Non-acceptance by the deadline which will be notified by the Entity shall result in forfeiture of the right to enter into the contract.

The employment relationship is governed by the individual contract, by the Regulations governing research assignments pursuant to Article 22-ter of Law 240/2010, by legal provisions and by EU regulations.

The individual contract shall specify the grounds for termination of the contract and the periods of notice. The cancellation of the recruitment procedure, on which the contract is based, is in any case a condition of termination of the contract, without any obligation to give notice. The cancellation of the recruitment procedure, on which the contract is based, is in any case a condition of termination of the contract, without any obligation to give notice.

The research assignment, with an initial duration of less than 36 months, may be extended or renewed for justified needs related to the research activity in which the research assignment holder is engaged, upon proposal of the tutor,

by a resolution of the Entity that activated the assignment, having ascertained the availability of sufficient funds and compliance with the University expenditure limit.

Extensions and renewals contribute to a maximum of three years for research assignments awarded to the same person, even by different institutions. For the purposes of calculating the above maximum contractual duration, periods spent on maternity or paternity leave or leave for health reasons under the applicable legislation are not taken into account.

Article 10 – Rights and obligations

By entering into the contract, the contracting party assumes the right and obligation to perform the activity set out in the attached activity plan, under the supervision of the tutor, with no subordination ties and predefined working hours and without using substitutes.

Holders of research assignments in scientific disciplines within the medical field may only carry out care activities in connection with the requirements of activities introducing the research and innovation, in the manner and within the limits provided for by special agreements between the University and the healthcare facilities.

The provisions set forth in Article 4 of Law no. 476 of 13 August 1984 shall apply to research assignments on tax matters; the provisions set forth in Article 2(26 et seq.) of Law no. 335 of 8 August 1995 shall apply in matters of social security; the provisions of the Decree of the Minister of Labour and Social Security of 12 July 2007, published in Official Gazette no. 247 of 23 October 2007, shall apply in matters of compulsory maternity leave and Article 1(788) of Law no. 296 of 27 December 2006 shall apply in matters of sick leave.

The holder of a research assignment undertakes to comply with the provisions of the Regulations governing research assignments, the Regulations governing industrial and intellectual property rights, the Regulations containing the code of conduct for preventing and combating discrimination and moral and sexual harassment and the rules on trusted advisor(s), and in the University's Code of Ethics and Conduct.

The research assignment holder also undertakes to comply with occupational health and safety training obligations and personal data protection obligations.

At the end of the assignment, the assignment holder must submit to the Board of the Entity a detailed report on the activity carried out, the results achieved and the scientific production, accompanied by the opinion of the tutor.

Article 11 - Incompatibility and further assignments

The research assignment is not compatible with concomitant:

- a. attendance at degree, master's degree or PhD programmes or specialisation programmes in the medical field, in Italy or abroad, without prejudice to the possibility of implementing specific European Union research funding programmes under the Marie Skłodowska-Curie (MSCA) programme;
- b. holding PhD programme scholarships or other scholarships, for whatever reason, awarded by national or foreign institutions, unless these are aimed at international mobility for research purposes;
- c. holding other research assignments also at other universities or public research bodies;
- d. holding research fellowships pursuant to Article 22 of Law no. 240/2010 in the previous text, also at other universities or public research bodies;
- e. holding any employment relationship with public and private entities.

The performance of self-employment activities is compatible with the research assignment only if authorised in advance by the Board of the Entity on the basis of a reasoned opinion from the Scientific supervisor and verification that the additional activity to the research assignment does not lead to any conflict of interest or jeopardise the regular performance of the activity.

Holders of the research assignment may participate in competitive selection processes for the award of teaching, tutoring, or language training positions, pursuant to Article 23 of Law 240/2010, up to a cumulative maximum of 120 hours per academic year, of which no more than 80 hours may be for teaching activities, and subject to obtaining the relevant authorization issued by the Head of the Entity after consultation with the tutor.

The research assignment does not give rise to the right of permanent employment with public bodies referred to in paragraph 1 of Article 22 of Law 240/2010, nor can it be counted for the purposes of Article 20 of Legislative Decree no. 75 of 25 May 2017.

Article 12 – Processing of personal data and Procedure Supervisor

The personal data transmitted by each applicant for the purposes of participation in this selection, as well as for the drafting of the contract, are collected by DIPARTIMENTO DI FISICA E ASTRONOMIA as well as by the Selection and Contracts Unit of the Personnel Division, and processed in compliance with the principles and provisions on the protection of personal data and confidentiality established by Legislative Decree no. 196 of 30 June

2003 and EU Regulation no. 679/2016 (GDPR), for the purposes indicated in this call for applications and for the strictly necessary period.

Submission of an application for taking part in the selection by each candidate implies consent to the processing of their personal data so that:

- their names and their results in the selection process may be published in the dedicated section on the University's institutional website;
- the documents submitted by applicants are subject to access by other applicants, who may use them solely to protect their own personal interests.

By participating in this selection, applicants declare that they have read the dedicated information notice available at:

<https://www.unibo.it/it/ateneo/privacy-e-note-legali/privacy/informative-per-soggetti-terzi-che-abbiano-contatti-anche-occasionalmente-con-ateneo>.

The person in charge of the procedure Dott.ssa Laura Tombelli.

For information of an administrative nature regarding this call for applications, one should contact Leonardo Fortunato - Marianna Mancino, difa.contratti@unibo.it, 051.20.95305/88468.

Article 13 – Regulatory framework

The legislation under which this call for applications is issued is as follows:

- Law no. 240/2010 and, in particular, Article 22-ter;
- Presidential Decree no. 445 of 28 December 2000;
- Law no. 241 of 7 August 1999;
- Ministerial Decree 592 of 6 August 2025;
- Regulations governing research assignments pursuant to Article 22-ter of Law 240/2010, issued by Rector's Decree no. 162/2025 prot. no. 352688 of 14/10/2025

In data,

HEAD OF DEPARTMENT
Prof. ANDREA CIMATTI

Document signed with digital signature pursuant to Legislative Decree 7 March 2005, n. 82 and of the D.P.C.M. 22 February 2013 and subsequent amendments