

CALL FOR APPLICATIONS FOR THE AWARD OF RESEARCH FELLOWSHIPS  
Regulation on Research Fellowships pursuant to Italian Law no. 240/2010  
Alma Mater Studiorum University of Bologna, issued by Rectoral Decree no. 416 of 19/04/2011

### *Art. 1 - Purpose*

A public competition is launched, **based on qualifications and an interview**, at: **Dipartimento di Matematica**, Alma Mater Studiorum University of Bologna to award **no. 2 A)** type research fellowships, called “**Starting postdoctoral position in Mathematics and Applications in Sciences, Social Sciences and Engineering**” in the subject fields of **Mathematics, and of its applications to Physics, Computer Science, Engineering, Statistics or Economics**, specifically in the following scientific areas:

**MAT/02 – Algebra;**

**MAT/03 – Geometry;**

**MAT/04 – Complementary Mathematics;**

**MAT/05 – Mathematical Analysis;**

**MAT/06 – Probability and Mathematical Statistics;**

**MAT/07 –Mathematical Physics;**

**MAT/08 – Numerical Analysis;**

**MAT/09 – Operations Research;**

**SECS-S/06 – Mathematical Methods of Economics and of Actuarial and Financial Sciences.**

In the scientific areas **listed above**, research projects will be considered focusing specifically on the investigation of subjects conforming to those listed in “**Allegato 1**”.

The research fellowships are issued pursuant to the University Regulation issued by Rector's Decree no. 416 of 19/04/2011, financed by **Integrated Budget Research funds and “Progetti Strategici di Sviluppo dei dipartimenti (PSSD)” funds, decided by the Department** in the session of 07 June 2021.

Candidates meeting the admission requirements listed in art. 2 below shall submit an original research project in the above-specified fields of investigation together with their application, qualifications and publications.

The activities will be performed under the supervision of a tutor identified among the research and teaching staff of the structure. The tutor will supervise the activities of the research fellow, performed in a non-subordinate relationship with no fixed working hours.

### *Art. 2 - Requirements for candidacy*

The selection is open to candidates in possession of the following qualification:

- PhD in **Mathematics, Physics, Computer Science, Engineering, Statistics or Economics or equivalent qualification** or old system or equivalent.
- 2nd cycle/specialist degree or degree from previous system or equivalent qualification in **Mathematics, Physics, Computer Science, Engineering, Statistics or Economics or equivalent qualification**, only in the event of possession of a certificate of passing the last year of the PhD.

Candidates must possess the admission requirements on the deadline for submission of applications laid down in this call. Candidates who do not possess the admission requirements will not be considered.

The selection is not open to any persons who are related by blood or by marriage up to the fourth degree, to a professor working in the department or structure for which the call is issued, or to the Rector, Director General or a member of the Board of Governors of the University.

The selection is also not open to anyone who has held research fellowship contracts with any institution, pursuant to Italian Law no. 240/2010, for a period which, summed to the foreseen duration of this contract, exceeds a total of 6 years, excluding any period in which the contract coincided with a PhD without scholarship, for the maximum limit of the legal duration of the PhD programme.

Furthermore the selection is not open to anyone who has had research fellowship or fixed-term researcher contracts at the University of Bologna or any other state-funded, private-funded or distance-learning Italian university pursuant to articles 22 and 24 of Italian Law 240/2010, or with any other body listed in paragraph 1 of Art. 22 of Italian Law 240/2010 for a period which, summed to the foreseen duration of this contract, exceeds a total of 12 years, even if not consecutive. For the purposes of the duration of the above-described periods, in compliance with the laws in force any periods of maternity or sick leave shall not be calculated.

### ***Art. 3 - Application***

Applications may only be submitted online by accessing the website: <https://concorsi.unibo.it>, after completing the registration process, following the web procedure instructions. **The last day available to submit the application is Monday, October 11, 2021 at 23:59 - Europe/Brussels;** applications submitted after this time will not be considered. The date shown on the receipt sent electronically to the candidate is deemed to be the date of the application submission.

Any communications will be sent to candidates exclusively via email, to the address provided in the application.

In the online application, following the web procedure instructions, candidates must indicate, under their own responsibility:

- surname and name;
- date and place of birth;
- nationality;
- residence and chosen address for correspondence for the purposes of this selection;
- that they do not have a criminal record and are not involved in any current criminal proceedings (or if so, state which);
- • that they have the qualification required by art. 2 of the call for applications, specifying the University and year in which it was obtained;

or

- that they possess an academic qualification obtained abroad, which is deemed equivalent.

The candidates in possession of a qualification obtained abroad must annex to their applications a translation into Italian or in English of their foreign qualification, accompanied by a sworn statement that it is a faithful translation of the original certificate.

The foreign qualification may be declared admissible by the Evaluation Board, solely for the purposes of admission to the selection procedure.

**In case of award, the winning candidates having obtained their qualification in a country outside of the European Union, must provide** the Structure, in the same manner as laid down for the presentation of applications, **the official translation with a declaration of value of the foreign qualification** issued by the competent diplomatic representation or Italian consulate in their home country, in accordance with the applicable laws, **within 180 days from the notification of official approval of the selection procedure reports.** If the documents are not received by the Structure within the stated deadline, the candidate will not be awarded the contract.

Candidates must enclose with their applications the following documents, **or shall be rejected** from the procedure:

an original research project which has not been developed in collaboration with others or related to which others may not claim to have been involved in the original drafting. The project shall be directly correlated to the scientific area, among those indicated in article 1 of this call for applications.

The project shall indicate the specific purpose and outcomes of the research, **one or more scientific areas of reference among those listed in article 1 of this call for applications**, the project development timetable and, in order to pursue the set objectives, it shall be coherent with the contractual period of the research fellowship. **The project must concern one of the topics coherent with the enclosed training schedule (Attachment: “Allegato 1”).**

Candidates must also enclose the following with their applications:

- copy of a valid identity document;
- their scientific and professional curriculum vitae also containing scientific productivity;
- exactly three letters of recommendation of professors or researchers of Italian or foreign Universities or research Institutions, at least two of which must not be affiliated with the University of Bologna. These letters can also be sent separately. For any letter of recommendation not included with the application, the applicant must indicate in the on-line application form information about: name and surname, e-mail address, name of institution of the reference person. In this case, the file with the letter must be submitted directly by the recommender following the instructions he/she will receive at the indicated e-mail address, within the same deadline as the application.

Candidates are admitted to the selection procedure with reserve.

At any time, even after participation in any tests, the Administration may, with justification, exclude them from the selection procedure. The concerned candidate will be notified of such exclusion.

#### ***Art. 4 - Comparative assessment of the candidates and the Evaluation Board***

The candidates will be assessed comparatively by an Evaluation Board appointed by the Structure, and formed at least three members qualified in the field of research to which the call for applications refers.

The selection procedure focuses on the examination of the selection criteria laid down in advance by the evaluation board, the candidates' scientific-professional curriculum containing also the scientific work and publications as well as an interview, aiming to verify the suitability of the candidate for carrying out the research programme.

During the interview, the Board will also verify the candidates' knowledge of the foreign language(s) English on relevant sectoral topics.

The list of candidates admitted to interview will be published on the site calls, tenders and competitions <https://bandi.unibo.it/ricerca/assegni-ricerca> on (date) **Tuesday, October 19, 2021**

For information contact the phone number +39 051 20 9 4410 (from 09.00 to 15.00).

**The date and place of the interview** will be published at the same time of the list of admitted candidates, according to the notice period required by current regulations. These communications will constitute notification to all legal purposes to the candidates.

To be admitted for interview, the candidates must present a valid ID document.

**Interview may take place remotely via telematics**, using the teleconference tool in audio and video via the Microsoft Teams platform (the workstation from which candidates will take the test must be equipped with a webcam - essential for the recognition of the candidate - with microphone and headphones and / or speakers).

**Candidates admitted will be informed of the interview procedures** at the same time of the publication of the list of admitted candidates, or even subsequently, according to the notice period required by current regulations.

The interview is in public form, so as to ensure maximum participation.

At the end of the selection procedure, the Board will draw up a list of candidates with relative scores, for a period of 12 months.

Candidates will preferably have a PhD or medical specialisation school diploma.

If two candidates receive the same scores, preference will be given to the younger candidate.

The Head of the Structure shall confirm in writing his/her approval of the list drawn up by the Board which will be published on <https://bandi.unibo.it/ricerca/assegni-ricerca>.

The list of candidates may be used to award other research contracts within the same research project, also of a lesser duration than that indicated in the call for applications and in any case no less than one year.

#### ***Art. 5 - Duration and amount of the contract***

The contract has a duration of **12 months** and may be renewed and/or extended in the terms laid down in the University Regulation concerning research fellowships, as issued by D.R. no. 416 of 19/04/2011.

The gross amount of the research fellowship contract is **€ 21.169,19** per annum. The amount is exempt of withholding tax and includes all statutory social security charges the Research Fellow is subject to.

The amount will be paid in deferred monthly payments.

The Research Fellow is provided with accident insurance, against payment of the required contribution which will be withheld from the first monthly instalment.

#### ***Art. 6 – Contract signature***

The winning candidate will be invited to sign a research contract with the Structure within Friday, December 31, 2021.

Successful candidates who have not sat the final PhD exam are required to sit said exam no later than 9 months after completing the doctorate, otherwise the contract shall be considered to be terminated upon the aforementioned deadline.

The non-acceptance within the deadline notified by the structure shall lead to the forfeiture of the right to sign the contract.

#### ***Art. 7 - Rights and Duties***

a) The contract is governed by the following regulations concerning leave: for obligatory maternity leave, the provisions laid down in the Decree of the Ministry of Labour and Social Welfare of 12 July 2007, published in the Official Journal no. 247 of 23 October 2007, and, for sick leave, article 1, paragraph 788, of Italian law no. 296 of 27 December 2006 and amendments.

b) The research activities are carried out under the supervision of the tutor, in a non-subordinate relationship with no fixed working hours. The research fellow shall personally carry out the required activities laid down in the Activity Programme without any substitution.

c) Research Fellows assigned to medical and clinical subject areas: the Research Fellow may carry out care activities exclusively for the purposes and needs of the research project, in the methods and limits laid down in the contract, or, in the case of activities carried out in healthcare structures, as laid down in specific agreements between the university and the health board.

d) The Research Fellow may spend a period of study abroad, in line with a programme agreed with the department and with expenses borne by the department, without prejudice to the possibility to obtain specific funding.

#### ***Art. 8 - Regulations concerning Intellectual Property***

Industrial Property rights over the results achieved by the Research Fellow in the execution of activities undertaken on behalf of the University, including but not limited to industrial inventions, models, drawings, plant varieties, as well as the intellectual and industrial property rights deriving from the production of software or databases (“Results”), belong exclusively to the University, which may freely use them also within agreements made by the departments with third parties, without prejudice to the moral rights of the Research Fellow who shall be acknowledged as the author or inventor.

The Research Fellow has the right to publish the Results of his/her research activities, provided that the publication does not prejudice the rights of the University over the protection of the Results.

The Research Fellow therefore undertakes to promptly notify the achievement of the results to the tutor, who shall verify the existence of any such prejudice.

In any case the Research Fellow undertakes to sign a specific Undertaking of Confidentiality with the referred Structure, which will be annexed to the contract.

### ***Art. 9 - Non-accumulation, incompatibility, leave***

1. The position of research fellow is incompatible with the following positions:

a) fixed-term and full-time staff employed by the bodies listed in art. 22 para. 1 of Italian Law no. 240/2010;

b) persons employed by any private bodies, on a fixed term, permanent or part-time basis; For staff of any Public Administration other than those listed in letter a) refer to the provisions of point 2 below;

c) persons with fixed-term research contracts with any university;

d) adjunct professors with official teaching responsibilities in degree programmes or specialisation schools in any university;

e) persons enrolled in any first, second or single cycle degree programmes, PhD programmes with scholarships or specialisation school. Self-funded research contracts are compatible with enrolments in non-medical specialisation schools, for which no study grant or contract is foreseen or master’s degree only where authorised in advance by the structure Director, and having sought the opinion of the tutor.

f) persons awarded research fellowships at any other body.

2. Employees of public administrations other than those listed in point a) with a fixed-term, permanent or part-time contract shall take unpaid leave of absence for the whole period of the research contract.

3. Freelance professional activities are compatible with the research fellowship contract where authorised in advance by the Board of the structure, with the motivated opinion of the tutor and having verified that the activities in addition to the research fellowship do not prejudice the regular execution of the contract.

4. The accumulation of the research fellowship contract with study grants awarded for any purpose is not permitted, with the exception of those granted by national or foreign institutions for the purposes of integrating the research activities with study periods abroad.

5. The above requirements must be possessed from the moment of entry into force of the contract. The winning candidate shall sign a specific affidavit undertaking to notify the department of any variations in the declared situations as soon as they occur.

### ***Art. 10 – Forfeiture***

Any candidate who within the deadline notified by the structure does not sign the contract, unless for promptly and duly demonstrated reasons of health or force majeure, shall forfeit the right to sign the contract.

### ***Art. 11 - Reference norms***

For any matters not laid down in this call for applications, refer to the Regulation on Research Fellows issued by the University of Bologna by Rectoral Decree no. 416 dated 19.04.2011 and other statutory regulations in force.

The personal data provided by the candidates in their applications, pursuant to General Data Protection Regulation- Regulation (EU) 2016/679, shall be processed for the purposes of managing the selection procedure and the contract.

Selection procedure manager is: dott.ssa Angela De Cesare.

For information of an administrative nature on this announcement please contact Amministrazione del Dipartimento di Matematica, e-mail: mat.assegni@unibo.it, tel.: +39 051 20 9 4410.

This call for applications will be published on the University Portal, the MIUR website and the European Mobility Portal.

THE HEAD OF DEPARTMENT

FABRIZIO CASELLI

*(Digitally Signed)*

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