

CALL FOR APPLICATIONS FOR RESEARCH FELLOWSHIPS
pursuant to art. 22 paragraph 4 letter a) of Italian Law no. 240/2010 of 30/12/2010 and the
Research Fellowships Regulation issued by Rector's Decree no.416 of 19/04/2011

Rep. n. **261/2019** - Protocollo n. **980** del **17.12.2019**
Fasc. **VII/16.13**

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 above scientific areas, 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 (BIR19P4) funds** and “**Progetti Strategici di Sviluppo dei dipartimenti (PSSD)**” funds, resolved by the Department in the session of **Monday, December 16, 2019**.

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 a list of 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 procedure is open to candidates possessing the qualification indicated below or one of the qualifications listed below:

1. PhD in **Mathematics, Physics, Computer Science, Engineering, Statistics or Economics** or equivalent qualification

or

2. Degree (Previous Degree System) or 2nd cycle Degree ("specialistica/magistrale" under the New Degree System) or equivalent qualification, only where in possession of the **certification of passing the last year of the PhD** indicated in the first point of this article

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 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 "FrontOffice" section of the website: <https://personale.unibo.it>, after completing the registration process, following the web procedure instructions. The last day available to submit the application is **Monday, January 20, 2020**; 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.

The department assumes no liability for the non-delivery or delay of the application.

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:

In their application the candidates must, under their own responsibility, indicate:

- 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 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**”).
- their **scientific and professional curriculum**, containing a **list of scientific publications**
- **certificates of all qualifications** to be assessed according to art. 4 of this call for applications. Academic and professional qualifications issued by Italian public administrations must be self-certified or submitted in an unstamped photocopy, as provided for in art. 15 of Italian law no. 183/2011, by way of a simple declaration of certification and/or affidavit (as per the attached form), **the affidavit must be accompanied by a photocopy of an ID document**.
- **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. **The file must contain a scanned signature of the sender**. 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**. The file must contain a scanned signature of the sender.

Candidates with certified disabilities pursuant to art.3 of Italian Law no. 104 of 05.12.1992 must specify the aids needed in order to perform the selection, sending an e-mail to mat.direzione@unibo.it.

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 and their projects will be assessed comparatively by an Evaluation Board appointed by the Board of the Structure.

The selection procedure will focus on the examination of the selection criteria laid down in advance by the evaluation board, the submitted research project, the candidates' scientific-professional curriculum and the scientific work and publications resulting from the documents enclosed with the application as well as an interview, aiming to verify the suitability of the candidate for carrying out the research programme.

During the interview, in Italian language, the Board will also verify the applicant's knowledge of the English language on topics related to the scientific area for which the research project was presented. As an alternative, upon applicant's request, the interview may take place in English.

The list of candidates admitted to interview will be published on the following notice board:

Direzione del Dipartimento di Matematica dell'Università di Bologna, Piazza di Porta San Donato 5 - Bologna, on **Wednesday, February 19, 2020**.

The ranking list of eligible candidates will also be published on the department website at: <http://www.matematica.unibo.it>.

For information contact the phone number **+39 051 2094410 (from Monday to Friday, from 9:30 to 12:00, from January 8, 2020, onward)**.

Information may also be obtained by sending an e-mail to the following e-mail address: mat.direzione@unibo.it.

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.

Applicants, if the Evaluation Board agrees, may perform the **interview via Skype**. **Applicants can ask for this interview mean in their on-line application form, or after the publishing of the list of candidates admitted to the interview within the term defined by the Evaluation Board.** Applicants should provide there their Skype Contact. They should also guarantee that the place where they will perform the interview is equipped with webcam – essential for the recognition of the candidate –, microphone and headset/speakers.

During the on-line interview applicants must show a valid identification document.

On-line interviews will take place in the same day as the other interviews, following the schedule decided by the Board, that will be available with the list of applicants admitted to the interview on the website <http://www.matematica.unibo.it>.

On-line interviews are public and can be followed by all other people staying in the room reserved for the interviews.

At the end of the selection procedure, the Board will draw up a ranking list of candidates, that will be published with the same modalities of the list of candidates admitted to interview; the ranking list will remain valid for a period of **12 months**.

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.

The list of candidates may be used to award other research fellowships, 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 research fellowships have a duration of **12 months** and may be extended in the terms laid down in article 8 of 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 Fellows are covered by accident insurance, against payment of the required contribution which will be withheld from the first monthly instalment.

Art. 6 – Contract signature

Successful candidates will be invited to sign a contract for research activities with the Structure no later than **Tuesday, June 30, 2020**.

In the event the winning candidate doesn't obtain the PhD title within 9 months after the conclusion of the PhD course, the contract will be immediately terminated on the expiry of that period.

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) For obligatory maternity leave, the contract is governed by the provisions of paragraph 6 art. 22 of Italian Law no. 240/2010.

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) At the end of the activities, the Research Fellow shall present a detailed final report to the Board of the structure, describing the activities carried out, the results achieved and the scientific developments, accompanied by the opinion of the tutor.

e) 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 research 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 **Regulation (UE) 2016/679** and of the **D.Lgs. 196/2003 e ss.mm.ii**, shall be processed for the purposes of managing the selection procedure and the contract.

The selection procedure manager is the **Head of the Department, prof. Giovanni Dore**.

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

Bologna, December 17th 2019

HEAD OF DEPARTMENT

Prof. Giovanni Dore