

BIOMEDICAL AND NEUROMOTOR SCIENCES

Section "PhD positions and scholarships" integrated on 21/04/2020

Section "PhD positions and scholarships" modified on 06/05/2020

Section "Positions and scholarships" integrated on 07/05/2020

Section "Positions and scholarships" integrated on 22/05/2020

Coordinator		Prof. Pietro Cortelli Department of Biomedical and Neuromotor Sciences, Via Altura, 3 - Bologna pietro.cortelli@unibo.it	
Starting date of the PhD Programme		01/11/2020	
Duration		3 calendar years	
Language of the PhD Programme		Italian and English	
Mandatory stay abroad		Yes (3 months)	
Research topics			
<ul style="list-style-type: none">– Biomedical and Molecular Sciences– Clinical and Experimental Physiopathology– Basic and Clinical Neurosciences– Morphology, Differentiation and Stem Cells– Personalized Medicine in Biomedical and Neuromotor Sciences			
PhD positions and scholarships			
Position n.	Financial support	Description	Positions linked to research subjects
1	PhD Scholarship	Totally funded by the University of Bologna general budget	
2	PhD Scholarship	Totally funded by the University of Bologna general budget	
3	PhD Scholarship	Totally funded by the University of Bologna general budget	
4	PhD Scholarship	Totally funded by the University of Bologna general budget	
5	PhD Scholarship	Totally funded by the University of Bologna general budget	
6	PhD Scholarship	Totally funded by the University of Bologna general budget	
7	PhD Scholarship	Totally funded by the University of Bologna general budget	
8	PhD Scholarship	Totally funded by the University of Bologna general budget	
9	PhD Scholarship	Funded by the University of Bologna general budget and co-funded by the Department of Biomedical and Neuromotor Sciences	Peri-implant and peri-radicular bone response in relation to new generation bioactive surface
10	PhD Scholarship	Funded by the University of Bologna general budget and co-funded by the Department of Experimental, Diagnostic and Specialty Medicine	Host / microorganism interactions, with particular focus on the role of the microbiota in bacterial and viral infections sustained by respiratory pathogens during and after the COVID-19 pandemic
11	PhD Scholarship	Funded by MIUR under the "Departments of Excellence" initiative	Personalized Medicine in Biomedical and Neuromotor Sciences

12	PhD Scholarship	Funded by MIUR under the "Departments of Excellence" initiative	Personalized Medicine in Biomedical and Neuromotor Sciences
13	PhD Scholarship	Funded by the Department of Biomedical and Neuromotor Sciences under the "Departments of Excellence" initiative	Personalized Medicine in Biomedical and Neuromotor Sciences
14	PhD Scholarship	Funded by IRCCS - Istituto delle Scienze Neurologiche di Bologna	Diagnostic and prognostic biomarkers in Amyotrophic Lateral Sclerosis (Research Area n.2)
15	PhD Scholarship	Funded by IRCCS - Istituto delle Scienze Neurologiche di Bologna	The role of non-invasive neurophysiological techniques in pre-surgical evaluation of drug-resistant epilepsy (Research Area n.4)
16	Research Grant	Provided by the Department of Biomedical and Neuromotor Sciences with funds made available by the project DONAZCDKL5 (Prof.ssa Elisabetta Ciani). The research grant will have a duration of 12 months, renewable for up to 36 months, and a gross percipient amount of € 19.367,37.	Role of CDKL5, a gene implicated in type 2 infantile epileptic encephalopathy
17	Inter-sectoral doctorate	Position reserved for employees of the Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) S.r.l., IRCCS	
18	Inter-sectoral doctorate	Position reserved for employees of the Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) S.r.l., IRCCS	
19	Inter-sectoral doctorate	Position reserved for employees of the Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) S.r.l., IRCCS	
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20	Research Grant	Provided by the Department of Biomedical and Neuromotor Sciences with funds made available by the project I ^A _AIRC_23525_2020_MIGLIACCIO (Vincolo n. 11228/2020) (ref. Prof. Anna Rita Franco Migliaccio). The research grant will have a duration of 12 months, renewable up to 36 months, and gross percipient amount of € 19.367,37.	Contributions of cytokines to the etiology and progression of primary myelofibrosis
21	Research Grant	Provided by the Department of Biomedical and Neuromotor Sciences with funds made available by the project III ^A _ICAHN_SCHOOL - P01-CA 108671 - HOFFMAN - (Vincolo n. 11222/2020) (ref. Prof. Anna Rita Franco Migliaccio). The research grant will have a duration of 12 months, renewable up to 36 months, and gross percipient amount of € 19.367,37.	Assess the contributions of TGF-beta to altered hematopoiesis in the bone marrow of myelofibrosis
22	PhD Scholarship	Funded by Fondazione Istituto Italiano di Tecnologia (IIT)	Epigenetics, behavior and physiology

Positions linked to specific research subjects: during the oral exam, applicants may express their interest in the position linked to specific research subjects. Considering the expressions of interest above, the Admission Board will establish if the applicants can be considered eligible for the allocation of the scholarship linked to specific research subjects, taking into account their specific skills, experience and aptitude.

Admission requirements

Please, see art. 2 of the Call for applications

Mandatory documents to be attached to the application

Please, see art. 3 of the Call for applications

Further qualifications that may be attached to the application, if in possession of the applicant (only qualifications attested by documents drawn up in Italian, English, French, German and Spanish shall be considered as valid and assessed by the Admission Board)

- Abstract of the second cycle master's degree thesis. Undergraduate applicants may submit the draft of the thesis approved by their supervisor (please, note that abstracts cannot exceed 5.000 characters, including spaces and formula possibly used. The above figure does not include: the title of thesis, the outline, and images such as graphs, diagrams, tables etc. - where present);
- No more than 2 reference letters signed by Italian and international academics and professionals in the research field, which do not form part of the Admission Board, attesting the suitability of the applicant and his/her interest for the scientific research.
Please, note that the above letters cannot be uploaded by applicants. When filling the online application form on <http://studenti.unibo.it>, applicants will be only allowed to provide the email accounts of the requested academic/professional. The latter shall receive an email from the University of Bologna providing for the instructions for uploading. Only letters in pdf format submitted before the expiry date and time of the Call shall be accepted.
- Multi-annual research project, with special emphasis on the activities to be completed during the first-year course. The proposal must meet the following requirements:
 - o It must indicate in the cover page the research topic of the PhD Programme covered by the research project proposal and for which the applicant is applying.
 - o It cannot exceed 20.000 characters, including spaces and formula possibly used. This figure does not include: the title of project, the outline, references and images (such as graphs, diagrams, tables etc. - where present).
 - o It must include: the state of the art; description of the project; lead-time for implementation; (proposed) criteria to be used to assess the findings obtained; references.

The research projects that successful applicants shall carry out during their doctoral career may possibly differ from the project proposed at the application stage. This shall be defined together with the supervisor and approved by the Academic Board.
- List of the publications (monographs, articles published on scientific journals, volume's chapters).
- List of the minor publications (conference papers, etc.).
- Professional Master courses completed in Italy (1st or 2nd level) relevant to the PhD Programme.
- Postgraduate vocational training programmes/specialisation programmes relevant to the PhD Programme.
- Summary of the thesis defended within the framework of Specialization Schools. The summary cannot exceed 5000 characters.
- Research activity of any kind - whether basic, applied, translational, etc. - carried out in any capacity, including when covered by research grants, and as a staff member of research projects.
- Vocational internships.
- Study periods completed by students outside their countries of origin (e.g. Erasmus programme or other similar mobility programmes).
- Other qualifications attesting the suitability of the applicants (scholarships, prizes, etc).

Admission exams (art. 4 of the call for applications)

Examination type	Schedule (please, note that applicants shall not receive any communication concerning the exams schedule)	Examination results publication (please, note that applicants shall not receive any communication concerning the publication of results)
Qualifications and research project evaluation	Non-presential.	The results of the qualifications and research project evaluation shall be available online starting from the 08/06/2020 at the page http://studenti.unibo.it (please, select: "summary of the requests in progress" - "see detail" and open the pdf file "risultati valutazione titoli e progetto")
Oral examination	Date 22/06/2020 In case that the oral examination cannot be completed in one day due to the large number of applicants, the oral exam schedule shall be made available at the webpage http://studenti.unibo.it together with the results of the qualifications and research project evaluation	The results of the oral examination shall be available on the webpage http://studenti.unibo.it starting from 26/06/2020 (please, select "summary of the requests in progress" - "see detail" and open the pdf file "risultati prova orale")
	Time 9 a.m. (local time)	

Applicants shall take the exam remotely. For further details please refer to the relevant provision laid down in art. 4 of the Call for applications.

Evaluation criteria

Points will be allocated to applications out of a total of 100 on the basis of the following weighting:

1. Qualifications and research project

- Minimum for admission to the oral exam: 30 points
- Maximum: 50 points

Only qualifications relating to the last 5 calendar years prior to the calendar year of publication of the Call for applications shall be taken into consideration, with the exception of the University Degree (Diploma di laurea). Please, note that qualifications must be consistent with the PhD Programme.

Points relating to qualifications shall be allocated on the basis of the following criteria:

- Graduation final mark. Undergraduates shall be evaluated on the basis of the Weighted Average Mark (WAM): max 5 points
- Publications: max 10 points
- Master's degree thesis: max 3 points
- Other qualifications: max 2 points

Points relating to the research project shall be allocated on the basis of the following criteria:

- scientific value and ground-breaking nature of the proposal: max 10 points
- description and structure of the proposal: max 10 points
- proposal feasibility: max 10 points

2. Oral examination

- Minimum for inclusion in the final ranking list :30 points
- Maximum: 50 points

Oral examination includes the presentation of the research project and is intended to assess the suitability of the applicant to pursue scientific research as well as the general knowledge of issues connected to the PhD Programme. The oral examination is carried out in English.

Points relating to the oral examination shall be allocated on the basis of the following criteria:

- knowledge of the English language: max 10 points
- research project presentation: max 20 points
- general knowledge of issues connected to the PhD Programme: max 20 points

Possible evaluation sub-criteria will be available on the [Unibo website](#), selecting the relevant PhD Programme → "PhD programme information" at the bottom of the page in the section "Notices".

Final ranking list and enrolment (arts.6 and 7 of the Call for applications)

After the publication of the results of the oral exam, the final ranking list will be available on the [Unibo website](#), selecting the relevant PhD Programme → "PhD programme information" at the bottom of the page in the section "Notices". Following the publication of the final ranking list, successful applicants must enroll on <http://studenti.unibo.it> by the deadline indicated on the [Unibo website](#), selecting the relevant PhD Programme → "PhD programme information".