

# VETERINARY SCIENCES

Section "PhD positions and scholarships" integrated on 07/05/2020

Section "PhD positions and scholarships" integrated on 29/05/2020

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<b>Starting date of the PhD Programme</b>	01/11/2020
<b>Duration</b>	3 calendar years
<b>Language of the PhD Programme</b>	Italian
<b>Mandatory stay abroad</b>	Yes (6 months)
<b>Curricula</b>	<b>Research topics</b>
<b>1. Basic Sciences</b>	The research activity will deal with projects in veterinary anatomy and physiology as well as in biochemistry and clinical biochemistry applied to veterinary medicine. All the domestic species, as well as the exothic ones, may be investigated. The research project will be defined with the tutor.
<b>2. Animal Production and Food Safety</b>	All the research activities related to breeding/rearing, alimentation and nutrition of all the domestic and most of the aquatic species will be considered. In addition, the research activity will focus on the control of the quality and the safety of all the products of animal origin.
<b>3. Animal Health</b>	The research activities will deal with infectious and parasitic diseases of domestic animals, the epidemiology and the zoonoses with their sanitary control. They will also focus on the pathological anatomy in domestic species, from both histological and macroscopic points of view.
<b>4. Clinical Sciences</b>	Research activities will regard internal medicine, surgery and obstetrics and gynaecology in all the species of veterinary interest.

## PhD positions and scholarships

Position n.	Financial support	Description	Curriculum	Positions linked to research subjects
1	PhD Scholarship	Totally funded by the University of Bologna general budget	Basic Sciences	Study of domestic species gametes' energetic metabolism in different functional moments
2	PhD Scholarship	Totally funded by the University of Bologna general budget	Basic Sciences	Biochemical basis of the action of phytoextracts in animal models for veterinary interest
3	PhD Scholarship	Totally funded by the University of Bologna general budget	Animal Production and Food Safety	Feed intake control in dairy cow: fiber's effect
4	PhD Scholarship	Totally funded by the University of Bologna general budget	Animal Production and Food Safety	Residues and contaminants in dairy products
5	PhD Scholarship	Totally funded by the University of Bologna general budget	Animal Health	Nosocomial bacterial infections in veterinary units: epidemiology, antibiotic resistance, risk factors and management strategies

6	PhD Scholarship	Totally funded by the University of Bologna general budget	Animal Health	Toxoplasma gondii: epidemiological studies performed using a One Health approach to clarify its transmission dynamics
7	PhD Scholarship	Funded by the University of Bologna general budget and co-funded by the Department of Medical Veterinary Sciences	Clinical Sciences	Innovative techniques in dog and cat surgery
8	PhD Scholarship	Funded by MIUR under the "Departments of Excellence" initiative	Clinical Sciences	Evaluation of the efficacy of plant extracts to improve the animal welfare and the dairy characteristics of ovine milk
9	PhD Scholarship	Funded by the Department of Medical Veterinary Sciences	Animal Health	Implementation of actions aimed at strengthening the system of supervision and prevention of avian flu in the Emilia-Romagna region
10	PhD Scholarship	Funded by the Department of Medical Veterinary Sciences with funds made available by the EU project H2020 NewTechAqua (Prof. Alessio Bonaldo)	Animal Production and Food Safety	Feeding strategies to develop a sustainable and resilient farming system of gilthead sea bream and European sea bass
11	PhD Scholarship	Funded by the Department of Medical Veterinary Sciences with funds made available by the EU project H2020 NextGenProteins (Prof. Alessio Bonaldo)	Animal Production and Food Safety	Effects of innovative circular proteins on growth performance, gut health and fish quality of gilthead sea bream and European sea bass
12	PhD Scholarship	Funded by the Department of Biomedical and Neuromotor Sciences	Animal Health	Contributions of cytokines to the etiology and progression of primary myelofibrosis
13	PhD Scholarship	Funded by the Department of Medical Veterinary Sciences	Clinical Sciences	Mating induced endometritis in the mare: clinical, endocrine and immunological study
14	PhD Scholarship	Funded by the Department of Medical Veterinary Sciences	Animal Production and Food Safety	Sensory analysis as a powerful tool to assess and improve the quality of products issued from aquaculture
15	Industrial doctorate	Position reserved for employees of Fondazione International Marine Centre (IMC)		
16	PhD Scholarship	Funded by VETAGRO S.p.a.	Animal Production and Food Safety	The role of biologically active substances and phitonutrients on intestinal functionality

17	PhD Scholarship	Funded by VETAGRO S.p.a.	Animal Production and Food Safety	The role of biologically active substances and phytoneutrients on intestinal functionality
18	PhD Scholarship	Funded by Dechra Limited	Clinical Sciences	

**Positions linked to specific research subjects:** Each position is reserved for one of the four PhD Programme Curricula and devoted to the development of a specific research subject. During the oral test, applicants may express their interest in one or more positions linked to specific subject, in compliance with the Curriculum selected when filling the application form. Considering the expressions of interest above, the Admission Board shall express its view on the suitability of the interested applicants, taking into account their specific skills, experience and aptitudes. In doing such an assessment, the Board shall also take into consideration the information included in the research project attached to the application.

The above positions - and possible replacement positions - shall be awarded on the basis of the sub-ranking lists relating to the specific research subject, as drawn up by the Admission Board.

Possible remaining positions linked to specific research subject shall be proposed to eligible applicants on the basis of the sub-ranking lists relating to the *Curricula* covering every single specific research subject. Secondly, possible remaining positions linked to specific research topics shall be proposed to eligible applicants, irrespective of the Curriculum chosen.

#### 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).
- 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 (Projects without this indication will not be evaluated);
  - 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; expected results; 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, book's chapters).
- List of the minor publications (conference papers, etc.).
- List of the abstracts and posters presented during national and international conferences, etc.
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#### Admission exams (art. 4 of the call for applications)

<b>Examination type</b>	<b>Schedule</b> (please, note that applicants shall not receive any communication concerning the exams schedule)	<b>Examination results publication</b> (please, note that applicants shall not receive any communication concerning the publication of results)
<b>Qualifications and research project evaluation</b>	Non-presential.	The results of the qualifications and research project evaluation shall be available online starting from the <b>05/06/2020</b> at the page <a href="http://studenti.unibo.it">http://studenti.unibo.it</a> (please, select "summary of the requests in progress" - "see detail" and open the pdf file "risultati valutazione titoli e progetto")

<b>Oral examination</b>	<b>Date</b>	<b>18/06/2020</b> 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 <a href="http://studenti.unibo.it">http://studenti.unibo.it</a> together with the results of the qualifications and research project evaluation	The results of the oral examination shall be available on the webpage <a href="http://studenti.unibo.it">http://studenti.unibo.it</a> starting from <b>30/06/2020</b> (please, select “summary of the requests in progress” - “see detail” and open the pdf file “risultati prova orale”)
	<b>Time</b>	9.30 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 10 points
- Publications and other qualifications: max 5 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 15 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 in respect of the pursuing of scientific research as well as the general knowledge of issues connected to the PhD Programme. During the oral examination, knowledge of English language shall be assessed. The oral examination is carried out in Italian or in English.

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

- Knowledge of the English language: max 5 points
- Research project presentation: max 20 points
- General knowledge of issues connected to the PhD Programme: max 25 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 enrol on <http://studenti.unibo.it> by the deadline indicated on the [Unibo website](#), selecting the relevant PhD Programme → “PhD programme information”.