

PHD PROGRAMME TABLE 37TH CYCLE

Section "Available Positions and Scholarship" integrated on 22/04/2021

Section "Available Positions and Scholarship" integrated on 11/06/2021

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| PROGRAMME'S NAME | VETERINARY SCIENCES |
| DURATION | 3 years |
| PROGRAMME START DATE | 01/11/2021 |
| LANGUAGE | Italian and English |
| MANDATORY STAY ABROAD | 6 months |
| COORDINATOR | Prof. Arcangelo Gentile (arcangelo.gentile@unibo.it) |
| CURRICULA | <ol style="list-style-type: none"> 1. Basic Sciences 2. Animal Production and Food Safety 3. Animal Health 4. Clinical Sciences |
| RESEARCH TOPICS | Detailed list at the bottom of the present document |
| PHD POSITIONS | 12 |
| ADMISSION PROCEDURE | Qualifications and research proposals evaluation Oral examination |

Available Positions and Scholarships

| Pos. n. | Financial Support | Description | Curriculum | Positions linked to research topics |
|---------|-------------------|---|-----------------------------------|--|
| 1 | PhD Scholarship | Totally funded by the University of Bologna general budget | Basic Sciences | Anatomical organization of the amygdaloid complex and its relations with the serotonergic system |
| 2 | PhD Scholarship | Totally funded by the University of Bologna general budget | Basic Sciences | Replacement models for veterinary and translational medicine: isolation and characterization of primary cell cultures from different specimens of animal origin |
| 3 | PhD Scholarship | Totally funded by the University of Bologna general budget | Animal Production and Food Safety | Development of microbiome tailored strategies to improve safety and sustainability of poultry meat-based products within the circular economy framework |
| 4 | PhD Scholarship | Totally funded by the University of Bologna general budget | Animal Production and Food Safety | Studies on the composition and activity of the intestinal microbiota of dogs and cats suffering from diseases, such as chronic enteropathy, chronic kidney disease and obesity |
| 5 | PhD Scholarship | Totally funded by the University of Bologna general budget | Clinical Sciences | Application of BSHII for stifle joint disease in god: evaluation of its utility and properties of measurement |
| 6 | PhD Scholarship | Totally funded by the University of Bologna general budget | Animal Health | Molecular characterization of animal tumors for prognostic and predictive purposes |
| 7 | PhD Scholarship | Funded by the University of Bologna general budget and co-funded by the Department of Medical Veterinary Sciences | Clinical Sciences | Precision medicine in neurologic and neuromuscular disorders in Equids |
| 8 | PhD Scholarship | Funded by MUR under the "Departments of Excellence" initiative and co-funded by the | Animal Health | Epidemiology and control of poultry immunosuppressive viral diseases |

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| | | Department of Medical Veterinary Sciences | | |
| 9 | PhD Scholarship | Funded by the Department of Medical Veterinary Sciences | Basic Sciences | Development and validation of complex primary culture systems, including embryonic, adult and induced pluripotent stem cells, for toxicity studies and modelling of rare and neurodegenerative diseases |
| 10 | PhD Scholarship | Funded by the Department of Medical Veterinary Sciences | Clinical Sciences | Nutritional management and therapeutic monitoring of the most common endocrinopathies of dogs and cats |
| 11 | PhD Scholarship | Funded by Vetagro S.p.a. | Animal Production and Food Safety | Determination methods and interaction studies between biologically active molecules and phytonutrients in different matrices |
| 12 | PhD Scholarship | Funded by Fondazione Carisbo | Animal Production and Food Safety | |

Admission Exams

| | DATE AND TIME | RESULTS |
|--|--|------------------------------------|
| Qualifications and research proposal evaluation | Applicants' participation is not required | Available from 11/06/2021** |
| Oral examination | Time: starting from 29/06/2021 – 09.00 am CEST* Place: Remotely, using Microsoft Teams | Available from 06/07/2021** |

* In case that the oral examination cannot be completed in one day due to the large number of applicants, the oral examination detailed schedule shall be made available on the webpage [Studenti Online](#) together with the results of the qualifications evaluation. **During the oral examination applicants may express their interest in one or more positions linked to specific research topics.**

** The results of the admission exams will be available on the webpage [Studenti Online](#) (select “summary of the requests in progress” > “see detail” and open the .pdf file at the bottom of the page. **No personal written communication will be sent to applicants concerning the examinations results.**

Required and Supporting Documents to be attached to the Application

(only documents in Italian, English, French, German and Spanish shall be considered as valid and be assessed by the Admission Board)

Only qualifications obtained during the last 5 calendar years shall be taken into consideration, except for the University Degree. The Admission Board will assess the relevance of the supporting documents to the PhD Programme.

| REQUIRED DOCUMENTS | |
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| Identity document | Valid identity document with photo (i.e. identity card, passport) |
| Curriculum Vitae | No specific CV format is required |
| Degrees | Documents attesting the awarding of the first and second cycle degrees, the exams taken and the marks obtained (see Art. 3 of the Call for Applications) |
| SUPPORTING DOCUMENTS | |
| Research proposal | Multi-annual research proposal, with special emphasis on the activities to be completed during the first-year course. The proposal must meet the following requirements: <ul style="list-style-type: none"> - it must mention the curriculum of the research proposal in coherence with those of the PhD Programme (the proposals without this indication will not be evaluated); |

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| | <ul style="list-style-type: none"> - it cannot exceed 6,000 characters, including spaces and formulas, if present. This figure does not include: the title, the outline, references and images (such as graphs, diagrams, tables etc - where present); - it must include: state of the art; project’s description; expected results; lead-time for implementation; (proposed) criteria to be used to assess the findings obtained; references. |
| Thesis Abstract | Abstract of the second cycle degree thesis . Applicants who are yet to obtain their second cycle degree may submit the draft of their thesis (abstracts cannot exceed 5,000 characters, including spaces and formulas, if present. The above figure does not include: title, outline, images such as graphs, diagrams, tables etc. if present). |
| Publications | <ul style="list-style-type: none"> - 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. |

Evaluation Criteria*

Scores will be expressed in points out of 100, as follows.

1. Qualifications and research proposal evaluation – Minimum score for admission to the oral examination: 30 points, Maximum score: 50 points

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| Qualification evaluation | Graduation final mark. Applicants who are yet to obtain their second cycle degree shall be evaluated on the basis of the Weighted Average Mark (WAM) | Max 10 points |
| | Publications | Max 5 points |
| Research proposal evaluation | Scientific value and innovative 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 score for eligibility: 30 points, Maximum score 50 points

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| English Language proficiency | Max 5 points |
| Research Project presentation | Max 20 points |
| General knowledge of issues encompassed by the PhD Programme | Max 25 points |

Oral examination includes the presentation of the research project and is intended to assess the suitability of the applicant for scientific research as well as the general knowledge of issues encompassed by the PhD Programme ([see the list of research topics at the bottom of the present document](#)). During the oral examination, the Admission Board will assess the applicant’s proficiency in the English language. **The oral examination is carried out in Italian and/or in English.**

*Possible further evaluation criteria will be available on the [University website](#), selecting the relevant PhD Programme > “More information”, at the bottom of the page in the section “Notices”.

Final Ranking List and Enrollment

Positions linked to specific research topics: Each position is reserved for one of the four PhD Programme Curricula and devoted to the development of a specific research topic. During the oral examination, applicants may express their interest in one or more positions linked to a specific topic, 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, considering 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.

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

After the publication of the results of the oral examination, the **final ranking list** will be available on the [University website](#), selecting the relevant PhD Programme > “More information”, section “Notices” at the bottom of the page. Following the publication of the final ranking list, successful applicants shall **enroll** on [Studenti Online](#) by the deadline indicated on the [University website](#), selecting the relevant PhD Programme > “More information”. If a successful applicant withdraws from a position, the following applicant in the ranking list, who is also eligible for the specific position, will be contacted. During the replacement procedure, the new terms of enrollment shall be communicated via e-mail to the chosen applicant.

Research Topics

Curriculum 1: Basic Sciences

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.

Curriculum 2: Animal Production and Food Safety

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.

Curriculum 3: Animal Health

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.

Curriculum 4: Clinical Sciences

Research activities will regard internal medicine, surgery and obstetrics and gynaecology in all the species of veterinary interest.