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UNIVERSITÀ DI PAVIA
**Area Ricerca
e Terza Missione**

ANNEX 1

PhD COURSE OF NATIONAL INTEREST IN ONE HEALTH APPROACHES TO INFECTIOUS DISEASES AND LIFE SCIENCE RESEARCH

LOCATION: UNIVERSITY OF PAVIA

COORDINATOR: Prof. ANNA ODONE

LOCATIONS AND INSTITUTIONS FOR THE 40th CYCLE (ACADEMIC YEAR 2024/2025):

- Association of Experimental Institutes for Zooprophyllaxis - degree awarded by the University of Pavia;
- National Research Council (CNR) - degree awarded by the University of Pavia;
- Humanitas University – degree jointly awarded by the University of Pavia and Humanitas University;
- Institute “Sacro Cuore – Don Calabria” - degree awarded by the University of Pavia;
- Italian National Institute of Health - degree awarded by the University of Pavia;
- Università degli Studi di Bari “Aldo Moro” – degree jointly awarded by the University of Pavia and the University of Bari “Aldo Moro”;
- University of Bologna - degree jointly awarded by the University of Pavia and the University of Bologna;
- University of Cagliari - degree jointly awarded by the University of Pavia and the University of Cagliari;
- University of Catania - degree jointly awarded by the University of Pavia and the University of Catania;
- University of Milano - degree jointly awarded by the University of Pavia and the University of Milano;
- University of Napoli “Federico II” - degree jointly awarded by the University of Pavia and the University of Napoli “Federico II”;
- University of Padova - degree jointly awarded by the University of Pavia and the University of Padova;
- University of Roma “La Sapienza” - degree jointly awarded by the University of Pavia and the University of Roma “La Sapienza”;
- University of Siena - degree jointly awarded by the University of Pavia and the University of Siena;
- University of Torino - degree jointly awarded by the University of Pavia and the University of Torino;
- Università Vita-Salute San Raffaele - degree jointly awarded by the University of Pavia and Università Vita-Salute San Raffaele.



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RESEARCH TOPICS: The PhD course aims at training young researchers in the field of life sciences, with a *one health* perspective, focusing on the five specific research areas corresponding to the five Research Nodes of the INF-ACT projects:

- 1) Emerging and re-emerging viral threats,
- 2) Arthropod vectors and vector-borne pathogens,
- 3) Antimicrobial resistance (AMR),
- 4) Epidemiology, monitoring and modelling (EPI-MOD),
- 5) New therapeutic strategies.

In particular, the PhD course will foster a multidisciplinary approach to research questions, supported by the diverse expertise represented in the INF-ACT partnership: in methodological, biomedical, veterinary, biological, chemical, pharmaceutical, environmental, technical, and social components of public health. The program will train researchers capable of generating the necessary evidence to address emerging health challenges, with a particular focus on the prevention, control and treatment of infectious diseases. It aims at building a multidisciplinary "ecosystem" capable of implementing ambitious research projects in support of the INF-ACT project objectives, and serving as a catalyst for scientific and technological progress in the country.

ADMISSION PROCEDURE: qualifications assessment and interview via videoconference. Candidates are allowed to take the interview in English.

During the online application, candidates will have to express their preferences regarding the research node and available locations.

LINGUISTIC KNOWLEDGE: candidates' knowledge of the English language will be verified during the interview.

QUALIFICATIONS ASSESSMENT: UP TO 20 POINTS ARE ASSIGNED UPON ASSESSMENT OF EACH CANDIDATE'S QUALIFICATIONS, AS FOLLOWS:

- a. Degree grade and/or, in the case of conditional application, arithmetic average of the marks obtained in the exams taken during the second-level degree: up to **5** points.
- b. *Curriculum vitae et studiorum*. The commission will evaluate, among other aspects, the coherence of the activities carried out with the topics of the PhD course: up to **10** points;
- c. Motivation letter in Italian or English language (max 500 words), in which candidates will explain their potential interest in one of the research areas and indicate their preferred research location. Such choices must be supported by scientific arguments: up to **3** points;
- d. A maximum of two reference letters, in Italian or English language, issued and submitted directly by qualified professors/researchers who have had direct contact with the applicant. During the online application, the candidate will enter the contact data of the chosen referee who, through a specific online procedure, will have to upload the reference letter directly in the University portal by the deadline of the call. Unlike the other documents, the letter must not be uploaded by the candidate during the online application



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procedure. Letters uploaded by the candidate him/herself will not be evaluated by the committee: up to **2** points.

The qualifications must be submitted according to the procedure indicated in art. 5, para. 2 of this call for applications.

The minimum score to be admitted to the interview is 8/20.

The results of the qualifications assessment will be published online no later than August 29, 2024. The results will be posted in the Personal Area of the candidate in the University website. This can be accessed using the login information provided at the end of the registration procedure.

INTERVIEW: starting with September 8, 2023, via videoconference. The interviews schedule will be published at <http://phd.onehealth.unipv.it> on August 30, 2024.

The interview will focus on the topics of the PhD course. Prior to the interview, candidates will be requested to present a valid identification document. The University of Pavia does not assume the responsibility for any failure to complete the examination due to any technical issues that may arise.

INFO: <http://phd.onehealth.unipv.it>