

PHD in BIOMOLECULAR SCIENCES AND BIOTECHNOLOGIES

Coordinator	Prof. Federico Forneris e-mail: federico.forneris@unipv.it
Scientific Field	Biology
Research topics	BIO/11 CHIM/03 BIO/04 CHIM/08 MED/04 BIO/14 BIO/19 BIO/10
Brief description	The PhD in Biomolecular Sciences and Biotechnologies is a full-time 3-year joint program with Università degli Studi di Pavia. The PhD is configured with a decidedly interdisciplinary approach guaranteed by the established interaction between the proponents of the course, the possibility of access to scientific instruments present in the laboratories, and the wealth of experience of the individual group coordinators.
Language	English
Duration	3 years
Number of positions available	n. 7 positions, of which: - n. 2 positions with scholarship funded by IUSS - n. 1 position with scholarship co-funded by National Recovery and Resilience Plan (PNRR) - DM 630/2024 – Investment 3.3. Innovative Doctorates, on the following topic: <i>Application of Biotechnologies to Drug Discovery</i> Company involved: Philogen SpA - n. 1 position covered by University of Pavia with scholarship co-funded under National Recovery and Resilience Plan (PNRR) - DM 630/2024 – Investment 3.3. Innovative Doctorates, on the following topic: <i>Investigating innate immunity against gene therapy vectors in the central nervous system</i> Company involved: Ospedale San Raffaele Srl - n. 1 position covered by University of Pavia with scholarship co-funded under National Recovery and Resilience Plan (PNRR) - DM 630/2024 – Investment 3.3. Innovative Doctorates, on the following topic: <i>Production and characterization of recombinant proteins to understand mechanisms associated to spreading of vector-borne pathogens</i> Company involved: INF-ACT Foundation - n. 1 position covered by University of Pavia with scholarship funded by National Recovery and Resilience Plan (PNRR) - DM 629/2024 – Investment 3.4 Digital and environmental transitions, on the following topic: <i>Enzymes for green and red biotechnologies</i> Institution involved: Dipartimento Medicina di Precisione, Università degli studi della Campania “L. Vanvitelli” - n. 1 position reserved for Philochem A.G. company employees
Submission deadline for the online application	15/07/2024 at 13:00 (CEST)
Mandatory Documentation* to be attached to the on line	a) A PDF copy of a valid identity document; b) Self-certification of the Master Degree Certificate (Italian or UE educational qualification) Or Copy of the MSc Degree Certificate (NON-EU educational

<p>application</p> <p><i>*failure to upload the documentation referred to in (a) and (b) will result in exclusion from the competition procedure</i></p>	<p>qualification); c) Academic and professional CV d) Diploma Supplement or transcript Bachelor degree e) Diploma Supplement or transcript Master Degree f) Publications</p>
<p>Qualification assessment</p>	<p>a) Academic and professional CV b) Diploma Supplement or transcript Bachelor degree c) Diploma Supplement or transcript Master Degree; d) Publications e) Up to two reference letters provided through the online application.</p>
<p>Interview and evaluation</p>	<p>Selection will be performed through an assessment of the qualifications listed in the section "Qualification assessment", from points a) to e) inclusive, with the awarding of 50 points out of 100, and through an interview awarding a maximum of 50 points. The Selection Board will therefore award a final score from 1 to 100.</p>
	<p>The Selection Board will assess the scientific qualifications submitted awarding a score out of fifty. Candidates obtaining a score of at least 36/50 in the overall assessment phase will then be accepted for interview. The interview may also be carried out using electronic communications instruments which allow the candidate to be identified. The interview will entail a discussion about the research plan carried out and about the research that the candidate would like to conduct with the aim of ascertaining the candidate's vocation for research. Candidates obtaining a score of below 36/50 will be excluded from the merit ranking list. <u>During the interview, the selection board will verify that the candidate has the necessary fundamental knowledge and skills for attending the doctoral course and evaluate the eligibility for the research topics of the scholarships announced.</u> The School will notify scholarship holders of their admission to the School using the e-mail address given in the application.</p>
<p>Test schedule</p>	<p>The results about the evaluation process will be published on the IUSS' website 03/09/2024. The interviews will be carried out on 09/09/2024 from 09:30 CEST at IUSS, Palazzo del Broletto, Piazza della Vittoria 15 or remotely (via Zoom)</p>
<p>Information</p>	<p>e-mail: federico.fornieris@unipv.it; postlaurea@iusspavia.it</p>