



ANNEX A

PhD Programme in BIOMOLECULAR AND HEALTH SCIENCES Academic Year 2025/2026 – Cycle 41			
Administrative Department	Department of Biomolecular and Sciences		
Coordinator	Professor Ferdinando Mannello		
Duration of the programme	3 years		
Available positions (total n. 10)	Scholarships funded by the University, 2 of which are reserved for candidates with qualifications obtained abroad	n. 9	<p>The candidate must choose one of the topics indicated below:</p> <p>Priority thematic project - 1 <i>Multifaceted role of nematodes and essential oils in advancing the one health vision</i></p> <p>Priority thematic project - 2 <i>Three-dimensional cell culture approaches applied to the study of cancer prevention.</i></p> <p>Priority thematic project - 3 <i>Exploring redox regulation by synthetic thiol compounds to elucidate redox dependent mechanisms in human diseases and identify new redox regulatory targets</i></p> <p>Priority thematic project - 4 <i>Cardiovascular risks, sedentary lifestyle and physical activity</i></p> <p>Priority thematic project - 5 <i>Study of host-pathogen interaction in leishmaniasis and identification of new anti-Leishmania compounds</i></p> <p>Priority thematic project - 6 <i>Extracellular traps NETosis and METosis: triggers and therapeutic approaches.</i></p> <p>Priority thematic project - 7 <i>New strategies for the detection of epigenetic biomarkers in liquid biopsy</i></p> <p>Free thematic project – 8 (position with scholarship reserved for candidates with qualifications obtained abroad)</p>



			Free thematic project – 9 (position with scholarship reserved for candidates with qualifications obtained abroad)
	Positions without scholarship	n. 1	Priority thematic project – 10 Food awareness of the Italian population
Reference Academic Disciplines	<p>D.M. n. 639/2024 del 02/05/2024 inquadramenti Cod GDS</p> <p> BIOS-02/A Fisiologia Vegetale BIOS-03/A Zoologia BIOS-06/A Fisiologia BIOS-07/A Biochimica BIOS-08/A Biologia Molecolare BIOS-09/A Biochimica Clinica e Biologia Molecolare Clinica BIOS-10/A Biologia cellulare e applicata BIOS-11/A Farmacologia BIOS-12/A Anatomia Umana BIOS-13/A Istologia ed embriologia umana BIOS-15/A Microbiologia MEDS-24/A Statistica Medica BIOS-14/A Genetica MEDS-02/A Patologia Generale MEDS-03/A Microbiologia e Microbiologia Clinica MEDS-21/A Ginecologia e Ostetricia MEDS-24/B Igiene Generale ed Applicata MEDS-26/D Scienze tecniche di medicina di laboratorio MEDF-01/A Metodi e didattiche delle attività motorie MEDF-01/B Metodi e didattiche delle attività sportive </p>		
How to apply	<p>The application must be submitted exclusively via the online procedure available at: https://pica.cineca.it/uniurb/dottorato41/ by and no later than June 10h, 2025, h 13:00 (Italian time).</p> <p>The documents must be in open PDF format (max 30 MB). The submission of the application and documentation to the University occurs automatically upon the definitive closure of the online procedure. Therefore, no delivery or shipping of paper materials to the Offices should be made.</p>		
Compulsory documentation to be attached to the application	<p>Curriculum vitae et studiorum in Europass format</p> <p>Scientific Publications (including master's thesis or abstract thereof in the case of undergraduates)</p> <p>Research Project (which will be assessed in the oral test)</p> <p>Other Titles</p>		
Selection procedure	<p>Evaluation of qualifications</p> <p>Oral test (by videoconference)</p>		
Criteria for the evaluation of qualifications and of the oral test (interview)	<p>Points for the evaluation of qualifications: maximum 20 points, distributed as follows</p> <ul style="list-style-type: none"> - Curriculum vitae et studiorum: maximum 14 points - Scientific publications: maximum 2 points 		



	<p>- Master Thesis: maximum 2 points - Other titles: maximum 2 points</p> <p>A minimum score of 10 points is required in the evaluation of qualifications for admission to the oral test.</p> <p>Points for the oral test (interview): minimum 40 - maximum 60 points (including discussion and evaluation of skills about the research project and knowledge of English) During the oral test the following aspects will be assessed: clarity and linearity of exposition, argumentative capacity, theoretical and methodological knowledge in the context of the proposed research project, congruence of study interests and research objectives with the research themes of the doctoral programme; furthermore, it will be considered the technical/practical skills acquired during the laboratory internship periods. Finally, motivational aspects will also be considered.</p>
Publication of the results of the evaluation of qualifications	The results of the evaluation of the qualifications will be published on June 30th, 2025 on the following page: https://www.uniurb.it/biomolecular-and-health-sciences
Information on the oral exam	Oral examination: it will be conducted in English and will mainly focus on a research project related to the themes chosen by the candidate and on the research objectives that the candidate intends to pursue during the doctoral program. The presentation of the research project should describe a possible activity to be carried out during the doctoral program and should be articulated in: : a) rationale, b) experimental design and objectives, c) materials and methods, d) expected results.
Oral exam calendar	The interviews for those admitted to the oral examination will take place starting from the day July 08th, 2025 at 9 am (Italian time) via videoconference. If the number of candidates to be examined is high, the commission reserves the right to complete the interviews the following day. Any changes will be published on the doctoral program's web page: https://www.uniurb.it/biomolecular-and-health-sciences
Oral exam link	The link to the Zoom platform for the oral exam will be indicated in the "Oral exam calendar /Calendar of interviews" file at https://www.uniurb.it/biomolecular-and-health-sciences
Final merit ranking	The final merit ranking "Graduatoria finale / Final merit ranking" will be published at the following link: https://www.uniurb.it/biomolecular-and-health-sciences
Information on the activities of the Ph.D. Programme	https://www.uniurb.it/biomolecular-and-health-sciences
For information requests regarding scientific aspects of the Programme	Coordinator: Prof. Ferdinando Mannello, tel. 0722-304261 Email: ferdinando.mannello@uniurb.it Vice-Coordinator: Prof.ssa Elena Barbieri, tel. 0722-303417 Email: elena.barbieri@uniurb.it
For information requests regarding administrative	Ph.D. Office: dottorato@uniurb.it



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aspects and support
with the online
application procedure

Please indicate **“Ph.D. in BIOMOLECULAR AND HEALTH SCIENCES 41 cycle
a.a. 2025/2026”** in the email subject