



ANNEX A

Ph.D. Programme in BIOMOLECULAR AND HEALTH SCIENCES			
Administrative Department	Department of BIOMOLECULAR SCIENCES		
Duration of the Programme	3 years		
Available positions	Scholarships funded by the University	n. 9	<p>- n. 7 positions with scholarship in which candidates with qualifications obtained in Italy or abroad can freely compete</p> <p>- n. 2 positions with scholarship reserved for candidates with qualifications obtained abroad</p> <p>Candidates who intend to compete for positions with scholarships reserved for those who have obtained their qualifications abroad, must specify it in the online procedure.</p> <p>Candidates must choose one of the following priority themes:</p> <p>Priority theme - 1:</p> <p><i>Molecular targets and new therapeutic agents</i></p> <p>In this context, the candidate must develop one of the following projects:</p> <ol style="list-style-type: none"> <i>New biological drugs: monoclonal antibodies, fusion proteins, conjugates</i> <i>Epigenomic profiling for the characterization of human diseases and the development of new potential therapeutic strategies</i> a free project on this priority theme. <p>Priority theme - 2:</p> <p><i>Molecular mechanism of diseases</i></p> <p>In this context, the candidate must develop one of the following projects:</p> <ol style="list-style-type: none"> <i>Analysis of microRNA modulation in pathogenesis</i> <i>The role of extracellular histones as a trigger and target in acute and chronic</i>



			<p><i>diseases</i></p> <p>c) a free project on this priority theme.</p> <p>Priority theme - 3:</p> <p><i>Diagnosis and prevention of infectious and multifactorial diseases;</i></p> <p>In this context, the candidate must develop one of the following projects:</p> <p>a) <i>Study on tumor relapses prevention by physical exercise and chemopreventives through cellular models</i></p> <p>b) a free project on this priority theme.</p> <p>Priority theme - 4:</p> <p><i>Nutrition sciences and food safety</i></p> <p>In this context, the candidate must develop one of the following projects:</p> <p>a) <i>Intensive farming as reservoirs of antibiotic resistant bacteria</i></p> <p>b) a free project on this priority theme.</p> <p>Priority theme - 5:</p> <p><i>Neural plasticity in physiology and pathology</i></p> <p>In this context, the candidate must develop one of the following projects:</p> <p>a) <i>Shear stress and neuronal pathologies: Organ-on-chip model to study neurovascular interaction</i></p> <p>b) a free project on this priority theme.</p>
	Positions without scholarship	n. 3	Candidates who wish to compete exclusively for the positions without scholarship must choose the relevant option in the online application procedure
	Total number of available positions	12	
Selection procedure	PRESELECTION BASED ON THE EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Online interview	Candidates will be interviewed online (videoconference tool used: Zoom)		
Criteria for the evaluation of	Points assigned for the evaluation of qualifications: up to 20 Points assigned for the oral examination: up to 60		



candidates			
Documentation to be attached to the application form	Curriculum vitae	Points: up to 8	Template available at the following link: https://www.uniurb.it/studiaconnoi/laureati/dottorati-di-ricerca/informazioni-perammissione
	Optional documentations		
	Scientific publications	Points: up to 8	Attach a list of publications and workshop communications/posters as well as a PDF copy of them. The Master's thesis can be included amongst the publications.
	Additional documentation deemed useful for the assessment by the candidate	Points: up to 4	Other scientific and cultural titles, including eventual reference letters (max. 2)
Preliminary meeting of the Selection Board	September 14th, 2022		
Publication of the results of the evaluation of qualifications	The Selection Board will publish the results of the evaluation of the qualifications on the website www.uniurb.it/biomolecular-and-health-sciences by September 15th, 2022 . No minimum score at the evaluation of qualifications is foreseen to be admitted to the oral examination.		
Link for the oral interview	The link for the oral interview will be indicated in the file CALENDARIO PROVA ORALE /CALENDAR OF INTERVIEWS which will be published at: www.uniurb.it/biomolecular-and-health-sciences		
Interview date via ZOOM videoconferencing	15 September 2022 at 2.30 pm (Italian time) the appeal of the admitted candidates will be carried out. The oral exam will start on 15 September 2022 at 15:00 and will continue on 16 September from 09:00		
Language	During the oral examination, the Selection Board will assess the knowledge of the English language. The oral examination will be held in English.		
Topics covered in the oral examination	Interview: motivational, on any qualifications and on the priority topic chosen by the candidate in the online procedure.		
Information on the activities of the PhD programme	www.uniurb.it/biomolecular-and-health-sciences		
How to apply	The application must be submitted exclusively via the online procedure available at: https://pica.cineca.it/uniurb/dottorato38 by and no later than August 24th, h 13:00 (Italian time) All documents (max. 30Mb/each) must be attached in pdf format. The application and the attached documents are sent automatically to the University at the submission of the online procedure. No hard copy of the		



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DI URBINO
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	documentation must thus be delivered nor sent to the offices.
For information requests regarding scientific aspects of the Programme	Ph.D. Programme Coordinator: Professor Marco B.L. Rocchi, tel. 0722-303304 Email: marco.rocchi@uniurb.it Please indicate "PhD in BIOMOLECULAR AND HEALTH SCIENCES" in the email subject
For information requests regarding administrative aspects and support with the online application procedure	Ph.D. Office: dottorato@uniurb.it Please indicate "Ph.D. IN BIOMOLECULAR AND HEALTH SCIENCES" in the email subject