

PhD Course: BIOSCIENCES			
Curricula	<ul style="list-style-type: none"> BIOCHEMISTRY AND BIOTECHNOLOGY CELL BIOLOGY AND PHYSIOLOGY EVOLUTION, ECOLOGY AND CONSERVATION GENETICS, GENOMICS AND BIOINFORMATICS 		
Department	BIOLOGIA (DiBio)		
Duration	3 years		
Number of positions	Scholarships funded by external public or private bodies/Departments	n. 9	<p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi ERC Adg 2025 - prof.ssa Ildiko Szabo - Topic: Potassium-channel linked cellular signaling (curriculum: BIOCHEMISTRY AND BIOTECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi FEEDRES (ERC Starting Grant Project, 101163496); Prof.ssa Camilla Sguotti - Topic: Detecting feedbacks of regime shifts in marine populations and communities (curriculum: EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS-2023-03923, Title: "Decoding the translational-dependent metabolic remodeling during tumor angiogenesis" - dott.ssa Roxana Elena Oberkersch - Topic: Study of Translational Remodelers in Angiogenesis (curriculum: CELL BIOLOGY AND PHYSIOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS-2023-03923, Title: "Decoding the translational-dependent metabolic remodeling during tumor angiogenesis" - dott.ssa Roxana Elena Oberkersch - Topic: Study of endothelial translation in physiological and pathological angiogenesis (curriculum: CELL BIOLOGY AND PHYSIOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS01005 - prof. Luca Scorrano - Topic: Automated microfluidic generation of loaded proteoliposomes for biophysical characterization of mitochondrial MCS (curriculum: CELL BIOLOGY AND PHYSIOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi FISA 2023 - Genetic and Digital Optimization for Enhanced Industrial Algae Cultivation - GENIE - CUP: C93C23009470001 - Topic: Metabolic regulation of algae cultivated in industrially relevant environment (curriculum: BIOCHEMISTRY AND BIOTECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi PRIN FINA e su fondi ERC Adg 2025 - prof.ssa Ildiko Szabo - Topic: Pharmacological modulation of bioenergetic efficiency (curriculum: BIOCHEMISTRY AND BIOTECHNOLOGY);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi progetto BLUESHORES; Prof.ssa</p>

			<p>Laura Airoldi - Topic: Developing and testing novel eco-engineering concepts for sustainable multi-functional coastal defence structure (curriculum: EVOLUTION, ECOLOGY AND CONSERVATION);</p> <p>1 scholarship funded by Dipartimento di Biologia - DiBio su fondi residui da prestazioni e convenzioni del gruppo di ricerca - Topic: Decoding anaerobic microbiomes at single-cell resolution: integrative genomic and transcriptomic approaches (curriculum: GENETICS, GENOMICS AND BIOINFORMATICS);</p>
	Total number of positions	n. 9	
Selection criteria	PRESELECTION ON THE BASIS OF EVALUATION OF QUALIFICATIONS AND ORAL EXAMINATION		
Oral examination via remote interview:	Applicants who have requested it in the application form will take the oral exam via remote interview using the ZOOM videoconference tool.		
Evaluation criteria	Qualifications: points max 40 Oral examination: points max 60		
Documents to be submitted	Thesis:	Points: max 5	Applicants waiting to be awarded the entrance qualification: those waiting to be awarded the entrance qualification by 30th September 2025 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor. Applicants already graduated: those with the graduation will provide the pdf copy of the master thesis.
	Curriculum:	Points: max 15	The Curriculum Vitae must be provided following the template available at PhD Web site (https://dottorato.biologia.unipd.it/admission-and-general-information/). Only the CV written using this template will be considered.
	Scientific publications:	Points: max 3	Candidates should include a list of their publications (with pdf files for each one), posters or oral communications to national and international conferences.
	Other documents:	Points: max 2	Language certificates.
	Research project:	Points: max 15	The Research Project must be provided following the template available at PhD Web site (https://dottorato.biologia.unipd.it/admission-and-general-information/). Only Projects submitted using the proposed template and not exceeding the maximum allowed length will be considered.
Publication of the results of the evaluation of the preselection	<p>Within 10 SEPTEMBER 2025 the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: https://dottorato.biologia.unipd.it</p> <p>In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.</p>		

Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing	By 10 SEPTEMBER 2025 the commission will publish on the course website https://dottorato.biologia.unipd.it the timetable of the remote interviews and the instructions on how to use the ZOOM video conferencing for those applicants who have chosen in the application form to take the oral examination via remote interview and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.
Oral examination	12 SEPTEMBER 2025 09:30 - The exam may continue: 15 - 17 September - Aula G, piano rialzato - Dipartimento di Biologia, Università degli Studi di Padova, via U. Bassi 58/B 35121 Padova
Language/s	<p>Foreign language/s assessment at the oral examination: At the oral examination the commission will assess the knowledge of the following language/s: English</p> <p>Admission exam: The admission exam will be taken in: italian or English according to candidate's preference.</p>
Examination topics	The exam will focus on the relevant topics of the four curricula selected by the applicant: Biochemistry and biotechnology; Cellular biology and Physiology; Evolution, Ecology and Conservation; Genetics, Genomics and Bioinformatics. Candidates will be asked to describe their previous research experience and their scientific interests, regarding in particular the priority projects proposed by the members of the PhD Programme, indicated on the website (https://dottorato.biologia.unipd.it/admission-and-general-information/). Regarding the priority research grants, the eligibility for the scholarship will be assessed by evaluating the skills and interest of the candidate for the topic.
PhD Course Website:	https://dottorato.biologia.unipd.it/
Further information	<p>Department: BIOLOGIA (DiBio) Address: Via U. Bassi - N. 58/B, 35121 Padova (PD) Contact person: Brentan Martina telephone: 049 827 6312 e-mail: phd.biosciences.biologia@unipd.it</p>
How to apply	<p>The application must be submitted only via the online procedure available at: https://pica.cineca.it/unipd/dottorati41luglio The documents must be attached in pdf format. The application and the attached documents are submitted automatically by closing the online procedure, so no hard copy of the application and of the documents must be sent to the office.</p>
Deadlines	<p>Publication of the ranking lists and enrollment from 24 September 2025 Beginning of PhD courses 1 November 2025</p>