PhD Course: BIOSCIENCES			
Curricula	☐ 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 the University	n. 7	
	University Scholarships co-funded by the Department	n. 1	Co-funding Department: BIOLOGIA (DiBio)
	Scholarships funded by external public/private Bodies or by Departments	n. 23	**1** scholarship funded by Consiglio Nazionale delle Ricerche, Istituto di Scienze Marine (CNR-ISMAR, Sede di Venezia) su fondi Progetto INTRASEAM "INTegRAting SEx in sustainable ocean mAnagement and observing systems for biodiversity conservation of the Mediterranean Sea", borsa "Advanced Grant" nell'ambito del Fondo Italiano per Scienza (FIS3), CUP: B53C25004220001, PI Dott.ssa Elena Gissi (CNR-ISMAR) **- Topic:** Integrating biological sex in environmental assessment for ocean sustainability (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Consiglio Nazionale delle Ricerche, Istituto di Scienze Marine (CNR-ISMAR, Sede di Venezia) su fondi Progetto INTRASEAM "INTegRAting SEx in sustainable ocean mAnagement and observing systems for biodiversity conservation of the Mediterranean Sea", borsa "Advanced Grant" nell'ambito del Fondo Italiano per Scienza (FIS3), CUP: B53C25004220001, PI Dott.ssa Elena Gissi (CNR-ISMAR) **- Topic:** Sexual segregation of multiple marine species for effective conservation planning (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Consiglio Nazionale delle Ricerche, Istituto di Scienze Marine (CNR-ISMAR, Sede di Venezia) su fondi Progetto INTRASEAM "INTegRAting SEx in sustainable ocean mAnagement and observing systems for biodiversity conservation of the Mediterranean Sea", borsa "Advanced Grant" nell'ambito del Fondo Italiano per Scienza (FIS3), CUP: B53C25004220001, PI Dott.ssa Elena Gissi (CNR-ISMAR) **- Topic:** The dimension of biological sex in sustainable ocean management:

			policy and action (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio Fondi del progetto LIFE REGROWTH - Restoration of Habitat 1150 through the reintroduction of aquatic angiosperms in choked shallow waters of the central-southern basins of the Venice Lagoon **- Topic:** Ecological restoration and ecosystem services of aquatic plants in coastal lagoons (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su Fondi FIS – Fondo Italiano per la Scienza (MUR), Dott. Gianluca Amadei **-** **Topic:** Developing a Foundation Model of Mouse Post-implantation Embryos and Embryo-like Structures (**curriculum:** CELL BIOLOGY AND PHYSIOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su Fondi FIS – Fondo Italiano per la Scienza (MUR), Dott. Gianluca Amadei **-** **Topic:** Developing a Foundation Model of Mouse Post-implantation Embryos and Embryo-like Structures (**curriculum:** CELL BIOLOGY AND PHYSIOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi AIRC-IG, convenzione VIMM, Prof. Alessandro Carrer **- Topic:** Interrogating organelle dynamics in cancer (**curriculum:** CELL BIOLOGY AND PHYSIOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi ERC Advanced Grant TRANSION; supervisore Prof.ssa Laura Cendron **-** **Topic:** Structural and molecular Investigations to disclose the determinants of ion channels interaction networks (**curriculum:** BIOCHEMISTRY AND BIOTECHNOLOGY); **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 communities through trait-based analyses (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS 3, dott. Francesco Petruzzellis **-** **Topic:** From spectra to traits: an experimental remote sensing framework to assess plant functional diversity (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS Starting Grant, dott.ssa Garima Singh **- Topic:** Ecological zonation of the lichen metabolic potential in the Alps (**curriculum:** EVOLUTION, ECOLOGY AND

			CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS Starting Grant, dott.ssa Garima Singh **- Topic:** Lichen species and metabolic discovery in the Alps through paired omics aprroach (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS3 BioPOP, Prof. Tomas Morosinotto **- Topic:** Decoding Bioenergetic Pathway Interactions in plants metabolism (**curriculum:** BIOCHEMISTRY AND BIOTECHNOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS3 POPCORE, Prof. Luca Pagani **- Topic:** Palaeogenetic analysis of human remains from the Anthropology collection of the Department of Biology (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi FIS3 POPCORE, Prof. Luca Pagani e FIS2 AMORIO, Prof. Gil Rosenthal **-** **Topic:** Modeling genetic admixture along a geographic gradient (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi Fondo Italiano per la Scienza terza edizione (FIS3) del progetto C3AnaeroBi, Prof.ssa Laura Treu **- Topic:** From single cells to consortia: anaerobic microbial platforms for carbon gas valorization (**curriculum:** BIOCHEMISTRY AND BIOTECHNOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi Progetto "BLUESHORES (bando Sustainable Blue Economy Partnership) - Developing hybrid multifunctional foreshore infrastructure that optimises environmental and blue economy benefits" e Progetto "LIFE REGROWTH - Restoration of Habitat 1150 through the reintroduction of aquatic angiosperms in choked shallow waters of the central-southern basins of the Venice **-** **Topic:** Nature based solutions and ecological restoration in coastal areas (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi World Cancer Research Fund, Prof. Alessandro Carrer **- Topic:** Interrogating the impact of fructose-to-acetate conversion for nucleolus organization and pancreatic cancer predisposition (**curriculum:** CELL BIOLOGY AND PHYSIOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi convenzione VIMM (Telethon), Prof. Luca Scorrano **- Topic:** Experimental therapy for

			diseases related to the mitochondrial DNA polymerase (**curriculum:** CELL BIOLOGY AND PHYSIOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi “Dipartimenti di eccellenza 2023-2027”, CUP: C93C23001650001 **- Topic:** Network and quantitative biology: aspects of Biochemistry and Biotechnology (**curriculum:** BIOCHEMISTRY AND BIOTECHNOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi “Dipartimenti di eccellenza 2023-2027”, CUP: C93C23001650001 **- Topic:** Network and quantitative biology: aspects of Cell Biology and Physiology (**curriculum:** CELL BIOLOGY AND PHYSIOLOGY); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi “Dipartimenti di eccellenza 2023-2027”, CUP: C93C23001650001 **- Topic:** Network and quantitative biology: aspects of Evolution Ecology and Conservation (**curriculum:** EVOLUTION, ECOLOGY AND CONSERVATION); **1** scholarship funded by Dipartimento di Biologia - DiBio su fondi “Dipartimenti di eccellenza 2023-2027”, CUP: C93C23001650001 **- Topic:** Network and quantitative biology: aspects of Genetics, Genomics and Bioinformatics (**curriculum:** GENETICS, GENOMICS AND BIOINFORMATICS);
	Total number of positions	**n. 31**	
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 2026 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 must 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	English language certificate or statements from University Language Centers at a minimum B2 level; certification that the previous course of study was conducted in English.
	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.
Preselection: First meeting of the Evaluating Commission	04 JUNE 2026 at 10:00		
Publication of the results of the evaluation of the preselection	Within **11 JUNE 2026** the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: **https:\\dottorato.biologia.unipd.it** In order to be admitted to the examination, the candidate must get a score of at least 7/10 in the preselection.		
Publication of the timetable of remote interviews and instructions on how to use the ZOOM video conferencing	By **11 JUNE 2026** 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	16 JUNE 2026 at 09:30 - The exam may continue: 17/06/2026, 18/06/2026, 19/06/2026 - at 9:30 - Dipartimento di Biologia, Università degli Studi di Padova, Polo Vallisneri, via U. Bassi 58/B 35121 Padova		
Language/s	**Foreign language/s assessment at the oral examination:** At the oral examination the commission will assess the knowledge of the following language/s: English **Admission exam:** The admission exam will be taken in: English		
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	**Department:** BIOLOGIA (DiBio) **Address:** Via Ugo Bassi - N. 58/b, 35131 Padova (PD) **Contact person:** Brentan Martina **telephone**: 0498276312 **e-mail:** phd.biosciences.biologia@unipd.it
How to apply	The application must be submitted only via the online procedure available at: **https://pica.cineca.it/unipd/dottorati42** 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.
Deadlines	Publication of the ranking lists and enrollment from **1 July 2026** Beginning of PhD courses **1 November 2026**

The gross annual amount of the scholarship for this PhD Course is € 18,643.00, determined by the amount of €17,443.00, increased by an annual additional supplement of €1,200.00