PhD Course: BIOMEDICAL SCIENCES			
Department	SCIENZE BIOMEDICHE - DSB		
Duration	3 years		
Number of positions	Scholarships funded by the University	n. 5	
	University Scholarships co-funded by the Department	n. 1	Co-funding Department: SCIENZE BIOMEDICHE - DSB
	Scholarships financed on "Budget MUR Dipartimenti di eccellenza" funds reserved to applicants with foreign qualifications	n. 1	**1** scholarship funded by Dipartimento di Scienze Biomediche - DSB su fondi Budget MUR Dipartimenti di Eccellenza 2023-2027 - Progetto "Mitocondri, muscolo e salute: dalla molecola all'uomo" (MyoHEALTH) **- Topic:** Role of proteostasis and mitochondria in the control of muscle mass and force generation; **WARNING**: if you are in possession of a foreign qualification, please select also this option in the online procedure in the section "PhD courses-positions"
	Scholarships funded by external public or private bodies/Departments	n. 9	**1** scholarship funded by Dipartimento di Ingegneria Industriale - DII su fondi ERCadv - REPROIDS **- Topic:** Model Fragile X Syndrome using patient-derived Brain Organoids; **1** scholarship funded by Dipartimento di Ingegneria Industriale - DII su fondi ERCadv - REPROIDS **- Topic:** Model Fragile X Syndrome using patient-derived Brain Organoids; **1** scholarship funded by Dipartimento di Scienze Biomediche - DSB su fondi PNRR Missione 4 Avviso pubblico MUR 247.2022 "Young Researchers" progetto dal titolo: "Tackling the molecular underpinnings of aging motor neurons - MOVING" CUP C93C22007520006 , dott.ssa Emanuela Zuccaro e residui di progetti con responsabile scientifico prof.ssa Maria Pennuto **- Topic:** Molecular mechanisms of motor neuron diseases and aging; **1** scholarship funded by Dipartimento di Scienze Biomediche - DSB su fondi dell'Institut Laue Langevin (ILL) **- Topic:** Trapping and visualization of reaction intermediates in cofactor-independent urate oxidase catalysis; **1** scholarship funded by Fondazione per la Ricerca Biomedica Avanzata Onlus - VIMM **- Topic:** Characterization of the mechanism by which mitochondrial-ER contact sites regulate glioma cells killing by CTLs; **1** scholarship funded by Fondazione per la Ricerca Biomedica Avanzata Onlus - VIMM **- Topic:** Characterization of the mechanism by which mitochondrial-ER contact sites regulate glioma cells killing by CTLs; **1** scholarship funded by Fondazione per la Ricerca

			Biomedica Avanzata Onlus - VIMM **-** **Topic:** Identification of New Biomarkers Monitoring DMD Pathology and Response to Treatment; **1** scholarship funded by Fondazione per la Ricerca Biomedica Avanzata Onlus - VIMM **- Topic:** Muscle crosstalk in cancer cachexia –; **1** scholarship funded by Smart PhD 2023 - Fondazione Cassa di Risparmio di Padova e Rovigo, Intesa Sanpaolo S.p.A., UniSMART **-** **Topic:** Liposomes and nanolipids applications in gene therapy and RNA-based drugs;
	Scholarships on PNRR funds	n. 2	**1** scholarship funded by Dipartimento di Scienze Biomediche - DSB su fondi PNRR - progetto D08_PNRR_CN3_S5_2 - Spoke #4: Metabolic and cardiovascular diseases - CUP C93C22002780006; Principal Investigator Prof. Marco Mongillo **-** **Topic:** RNA-based strategies to Capture Harmful Intercellular Crosstalk via miRNA in Arrhythmogenic cardiomyopathy; **1** scholarship funded by Dipartimento di Scienze Biomediche - DSB su fondi PNRR - progetto “Age-it”, codice identificativo MUR PE00000015, nell’ambito del Piano Nazionale di Ripresa e Resilienza (PNRR), Spoke #2 Missione 4, Componente 2 – CUP C93C22005240007; Principal Investigator Prof. Marco Narici **-** **Topic:** Impact of physical activity on the trajectories of neuromuscular ageing in humans;
	Scholarships Ministerial Decree 118/2023	n. 4	**1** scholarship Generico PNRR **-** **Topic:** Mitochondrial channels in pathophysiology; **1** scholarship Generico PNRR **-** **Topic:** Mitochondrial metabolism in cell death and cancer; **1** scholarship Generico PNRR **- Topic:** Non-Globular Proteins in Molecular Physiopathology: A Computational Approach; **1** scholarship Pubblica Amministrazione **-** **Topic:** Immunotherapy for ovarian cancer: identification of novel targets;
	Positions without scholarship	n. 1	
	Total number of positions	**n. 23**	
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 10	Applicants already graduated must provide a pdf copy of their Master Thesis. Applicants waiting to be awarded the entrance qualification within 30th September 2023 will submit a summary of the master thesis project (max. 4 pages) signed by the applicant and the supervisor.
	Curriculum vitae:	Points: max 21	Candidates must report the final score of the Master exam they passed. Candidates that are waiting for the final score are requested to indicate the average of the scores of the exams obtained during their undergraduate Courses.
	Scientific publications:	Points: max 4	Provide pdf copies of publications and/or meeting abstracts.
	Other documents:	Points: max 5	Research experiences and Awards.
Preselection: First meeting of the Evaluating Commission	**23 JUNE 2023 09:00**		
Publication of the results of the evaluation of the preselection	Within **26 JUNE 2023** the evaluating Commission will publish the results of the evaluation of the qualifications in the following website: **https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences/phd-applications** 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 remote oral exams calendar and instructions for using the ZOOM videoconferencing tool	By **26 JUNE 2023** the commission will publish on the course website https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences/phd-applications the remote oral exams calendar and the instructions for using the ZOOM videoconferencing tool for the candidates who have asked for it in the application form and who have passed the preselection on the basis of the qualifications with a pass-mark of at least 7/10.		
Oral examination	**28 JUNE 2023** 09:00 - The exam may continue: 29, 30 JUNE 2023 - Aula 0C Complesso Vallisneri Via Ugo Bassi 58/B 35131 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	During the oral exam, the candidate will be asked to describe his/her scientific interests, any previous research experience, and the Master thesis work. In addition, the interview will be aimed at evaluating the candidate's motivation and attitude for scientific research along with testing his/her knowledge of topics related to the Doctorate Course. For the research-bonded projects (“borse a tema vincolato” in Italian), skills and interest in the research project will be assessed.		
Didactic program	PhD students will benefit of interdisciplinary scientific environment. They will attend courses both on general and specialized topics, scientific seminars and joumal clubs (where presentations are given by the students). Throughout the course scientific training will take place in the laboratory of choice. For information: https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences		
PhD Course Website:	https://www.biomed.unipd.it/didattica/phd-program-biomedical-sciences		

Further information	**Department:** SCIENZE BIOMEDICHE - DSB **Address:** Via Ugo Bassi - N. 58/B, 35131 Padova (PD) **Contact person:** Martini Marta **telephone**: 0498276142 **e-mail:** marta.martini@unipd.it
How to apply	The application must be submitted only via the online procedure available at: **https://pica.cineca.it/unipd/dottorati39** The documents must be attached in pdf format. The application and the attached documents are submitted authomatically 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 **19 July 2023** Beginning of PhD courses **1 October 2023**