



Calendário Provisório 2023/24

Mestrado em Investigação Biomédica					Horário: As aulas decorrem de 2ª a 6ª feira num horário compreendido entre as 09:00 e as 18:00 horas.						
Nome UC (PT/Eng)	Carga Horária	Horas de contacto	ECTS	Coordenador(es) da UC	Resumo dos Conteúdos Programáticos	Metodologias de Avaliação	Calendário de Aulas (datas a propor)	Dias	Horário	Salas	Calendário das Avaliações
Sessão Inaugural											
Principles of Cancer Biology (PCB)	14	14: 14TP	2	Sérgio Dias; Luís Costa	Teach the principles of the Biology of Cancer. Identify the main features of Cancer. Understand the heterogeneity of Cancer and its therapeutic consequences. Understand Cancer as a systemic disease. Novel therapies.	In this module there will be a continuous evaluation (20%), Journal Club presentation (50%), and a final written essay (30%).	seg, 09/out/23 a sex, 20/out/23	seg, 09/out/23	09:00 - 13:00	a definir	1ª Época: a definir 2ª Época/Melhoria: a definir
									14:00 - 18:00	a definir	
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									14:00 - 18:00	a definir	
								qui, 12/out/23	09:00 - 13:00	a definir	
									14:00 - 18:00	a definir	
								sex, 13/out/23	09:00 - 13:00	a definir	
									14:00 - 18:00	a definir	
								seg, 16/out/23	09:00 - 13:00	a definir	
									14:00 - 18:00	a definir	
								ter, 17/out/23	09:00 - 13:00	a definir	
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Principles of Infection and Immunity (PII)	14	14: 14TP	2	Luís Graça; Miguel Prudêncio	Teach the principles of immunology, microbiology, and infectious diseases. Specifically, the interaction between the immune system and infectious agents as a fundamental subject of modern biology.	The evaluation will be based on written essays on a specific theme selected by the student, and the discussion of a research article (journal club: 100%).	seg, 23/out/23 a sex, 03/nov/23	seg, 23/out/23	09:00 - 13:00	a definir	1ª Época: a definir 2ª Época/Melhoria: a definir
									14:00 - 18:00	a definir	
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								qua, 25/out/23	09:00 - 13:00	a definir	
									14:00 - 18:00	a definir	
								qui, 26/out/23	09:00 - 13:00	a definir	
									14:00 - 18:00	a definir	
								sex, 27/out/23	09:00 - 13:00	a definir	
									14:00 - 18:00	a definir	
								seg, 30/out/23	09:00 - 13:00	a definir	
									14:00 - 18:00	a definir	
								ter, 31/out/23	09:00 - 13:00	a definir	
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Principles in Cardiovascular Biology (PCVB)	14	14: 14TP	2	Fausto Pinto; Susana Constantino	Teach the principles of cardiovascular biology. Specifically, the mechanisms of cardiovascular physiology and pathophysiology and the main scientific challenges of the cardiovascular field, both in its fundamental and translational aspects.	In this curricular unit, there will be a continuous evaluation (20%), an individual journal club presentation (30%), and a written test (50%).	seg, 06/nov/23 a sex, 17/nov/23	seg, 06/nov/23	09:00 - 13:00	a definir	1ª Época: a definir 2ª Época/Melhoria: a definir
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								qua, 08/nov/23	09:00 - 13:00	a definir	
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Principles of Neurosciences (PN)	14	14: 14TP	2	Luísa Lopes	The main objectives of this curricular Unit are 1) to provide the fundamentals of neuronal communication, of brain function and dysfunction, 2) the critical discussion of the main methodologies used to access brain function and dysfunction, and thus, 3) to equip the students with the core concepts required for an informed reading of scientific papers in the field. The students are expected to discuss the main challenges in neurosciences in a critical way so that they may generate new ideas in the field and eventually to integrate those ideas with concepts acquired in other curricular units in a multidisciplinary way.	Journal Club presentation (20%), and a final mock project (written draft 40% + presentation and discussion 40%).	seg, 20/nov/23 a qui, 30/nov/23	seg, 20/nov/23	09:00 - 13:00 14:00 - 18:00	a definir a definir	1ª Época: a definir 2ª Época/Melhoria: a definir									
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								qua, 29/nov/23	09:00 - 13:00 14:00 - 18:00	a definir a definir										
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								Bioinformatics and Data Analysis (BDA)	28	28: 28TP		5	Nuno Morais	The main goal of this unit is to provide the students with the basic knowledge of statistical concepts currently applied in scientific research and to cement existing statistical knowledge. By the end of the unit, the students should intuitively understand those concepts and be able to apply adequate statistical tests to a given dataset under study and interpret the results. There will be a focus on using statistical software, in particular SPSS and R, to solve practical cases. This unit will also provide students with the training required to extensively use databases and bioinformatics tools to access and analyse the wealth of publicly available genomic, transcriptomic, and proteomic data generated by the biomedical research community. Upon its completion, the students should be able to work with relevant online tools for the integrative analyses of the diverse types of "omics" data that their future research projects can potentially yield.	Students will be assessed with final written (37,5%) and practical (62,5%) exams. The Biostatistics and Data Analysis module will include a practical evaluation (12,5%) and a written exam (37,5%). In the Bioinformatics module, students will be evaluated through a practical report on data integration (50%). Students can apply to improve their grades, during the assigned season ("Época de Melhoria de Nota"), to one or both of the modules.	seg, 04/dez/23 a sáb, 06/jan/24	seg, 04/dez/23	09:00 - 13:00 14:00 - 18:00	a definir a definir	1ª Época: a definir 2ª Época/Melhoria: a definir
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Laboratory Internship I	36	36: 36PL	6	LuisaFigueiredo; Pedro Sousa-Victor	Prepare future researchers with a conceptual background on the principles underlying the application of the scientific method. This will be achieved by undertaking a 1-month research project in one of the laboratories of IMM/FMUL. During this period, the Masters student will shadow a post-doctoral research so that the student can engage in an ongoing project. The student will have the opportunity to plan and perform experiments, analyze and discuss results.	In each Lab Rotation module there will be a continuous evaluation (interest and engagement 40%), a final written report (20%) and an oral presentation (40%).	ter, 02/jan/24 a sex, 26/jan/24										Lab Rotation I	1ª Época: a definir 2ª Época/Melhoria: a definir		
Laboratory Internship II	36	36: 36PL	6	Zita Carvalho-Santos; Vanessa Morais	Prepare future researchers with a conceptual background on the principles underlying the application of the scientific method. This will be achieved by undertaking a 1-month research project in one of the laboratories of IMM/FMUL. During this period, the Masters student will shadow a post-doctoral research so that the student can engage in an ongoing project. The student will have the opportunity to plan and perform experiments, analyze and discuss results.	In each Lab Rotation module there will be a continuous evaluation (interest and engagement 40%), a final written report (20%) and an oral presentation (40%).	seg, 29/jan/24 a sex, 23/fev/24										Lab Rotation II	1ª Época: a definir 2ª Época/Melhoria: a definir		
Laboratory Internship III	36	36: 36PL	6	Leonor Saúde; Joana Neves	Prepare future researchers with a conceptual background on the principles underlying the application of the scientific method. This will be achieved by undertaking a 1-month research project in one of the laboratories of IMM/FMUL. During this period, the Masters student will shadow a post-doctoral research so that the student can engage in an ongoing project. The student will have the opportunity to plan and perform experiments, analyze and discuss results.	In each Lab Rotation module there will be a continuous evaluation (interest and engagement 40%), a final written report (20%) and an oral presentation (40%).	seg, 26/fev/24 a sex, 22/mar/24										Lab Rotation III	1ª Época: a definir 2ª Época/Melhoria: a definir		

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Bioethics and Science communication	18	18: 18TP	3	Luís Madeira	<p>Bioethics: - To understand the importance of Bioethics in biomedical research.</p> <p>Communication: - Identify the types of science communication and the main characteristics of the public awareness of science and scientific journalism; - To transform a scientific fact into a news story; - To write science dissemination texts for lay audiences; - To qualify students in the effective construction of a good scientific text for peers, enabling them to apply this knowledge in the production of abstracts for conferences, scientific articles and theses.</p>	<p>Summative Evaluation: Bioethics (50%) - The evaluation method will be a systematic review of a topic of choice. Communication (50%) - The evaluation method will be a discussion of ideas and practical exercises (Scientific articles will be analysed in class; magazines and newsletters of scientific divulgation will also be available).</p>	<p>seg, 01/jul/24</p> <p>a</p> <p>sex, 12/jul/24</p>	<p>seg, 01/jul/24 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00 09:00 - 13:00 14:00 - 18:00</p>	<p>1ª Época: <i>a definir</i></p> <p>2ª Época/Melhoria: <i>a definir</i></p>		

A Comissão Científica do Curso reserva-se o direito de poder alterar os horários agora indicados. Neste caso serão informados atempadamente pelos serviços do IFA.