



February 19

Hour	Speaker	Master	Theme	Chair Ref	Alunos 1º ar	
<b>09:00</b> Arrival of Participants						
<b>09:10</b> Opening Session						
09:30	Inês Frija Alexandre	MQBO	Development of orthogonal synthetic methodologies to obtain cellulose derivatives with differentiated structure and properties	Luisa Ferreira	1.1	
09:40	Rodrigo Henrique Fernandes Martins	MGMB	The role of peroxisomal function in CO modulation of neuroinflammation		1.2	
09:50	Ana Rita Vieira Lourenço Henriques Rodrigues	MBQpS	The Role of Lysosome Exocytosis in Breast Cancer Progression		1.3	
10:00	Raquel Ines Oliveira Lourenço da Fonseca	MBQ	Tooth-based forensics and archeological proteomics		1.4	Isa Silva
10:10	André Benegas Pinho Amador	MBT	Converting the problematic CO <sub>2</sub> into valuable products		1.5	(MBQpS); Sara Ganço
<b>10:20</b> Break (5')						
10:25	Tatiana Pereira Fernandes	MGMB	Neuroprotective role of carboxyhemoglobin against stroke		1.6	(MBQpS)
10:35	Ana Francisca Carvalho de Menezes Duro	MBQpS	Functional characterization of adenosinergic system in the progression of human adipose tissue dysfunction in obesity		1.7	
10:45	Madalena de Castro Marques	MBT	Antiviral proteins targeting Influenza A hemagglutinin: design, production and characterization		1.8	
10:55	Jéssica Maria Dias Rodrigues	MBCBi	Computational Modeling of Biopharmaceuticals Purification Systems	1.9		
<b>11:05</b> Coffee Break (30')						
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11:35	Vânia Maria Moreira da Rocha <i>(Online)</i>	MBNM	Engineering antifungal peptide-functionalized nanoparticles for managing candidiasis	Alexandra Fernandes	1.10	
11:45	Ana Raquel da Silva Caróço	MGMB	Circadian Molecular Clock in Myeloid Malignancies – a novel therapeutic window?		1.11	
11:55	Maria Benedita Ferreira Moço Rodrigues Pereira	MBT	Computational design of next-generation antiviral biologics targeting Zika virus		1.12	Alina
12:05	Tomás Luís Guerra Alves Vieira	MBQ	Exploring the biomedical potential of phenazines against bacterial infections		1.13	Molchanov (MBT); Ana Rita Silva (MBT)
<b>12:15</b> Break (5')						
12:20	Eduarda Morais Rodrigues	MBNM	Bioneedles for tailored pain-free drug delivery	1.14	Ana Rita	
12:30	Pedro Filipe Albino Duarte	MBCBi	Disclosing trans-omics signatures of gliomas based on network inference methods	1.15	Silva	
12:40	Carla Micaela Veiga Semedo	MGMB	Understanding the importance of two death receptors in the therapeutic resistance of Myeloproliferative Neoplasms	1.16	(MBT)	
12:50	Ana Catarina da Silva Santos Mendes Dias	MBQpS	Identification and characterization of novel regulators of mitotic fidelity	1.17		
<b>13:00</b> Lunch Break (1h)						
14:00	Beatriz Carvalho Nobre <i>(Online)</i>	MBNM	Modulation of the oviduct epithelium on DLP printed substrates	Ana Rita Duarte	1.18	
14:10	Carolina Guerra Neca	MBT	Virus like particles as vehicle for the delivery of anticancer therapeutic deep eutectic system		1.19	
14:20	Diogo Alexandre Magalhães Rodrigues	MBCBi	Understanding the genetic consequences of spatial processes and life-history traits through spatial simulations		1.20	Carolina
14:30	Bruna Martins Pires	MGMB	How new fat disturbs new neurons		1.21	Vieira
14:40	Juliana Esteves Martins	MQBO	Novel Antibody Conjugates for Targeted and Controlled Delivery of Cytotoxic Metal Drugs for Cancer Therapy		1.22	(MGMB); Daniela
<b>14:50</b> Break (5')						
14:55	Joana Rita Carrulo Inácio	MBQpS	X Chromosome Inactivation in Systemic Lupus Erythematosus	1.23	Tomás	
15:05	Alexandre Santos Aires Almeida	MBQ	Uncovering the secrets of Geobacter uraniireducens: a study of key players in uranium bioremediation pathway	1.24	(MGMB)	
15:15	Pedro Cardoso da Silva	MQBO	NearInfraRed dyes as fluorescent sensors for ions	1.25		
15:25	Giovanna Due Mesquita Petriccione	MBT	Development of Fluorescent Receptors to Detect and Bind Bacterial Peptidoglycan	1.26		
15:35	Andreia Filipa Espanhol Silva	MGMB	Criopreservação de monocamadas de células de queratinócitos em sistemas eutéticos profundos naturais para regeneração da pele	1.27		
<b>15:45</b> Coffee Break (30')						
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16:15	Diogo Batista Inácio	MBNM	Soft Materials based on FucoPol for bioelectronic application	Teresa Cat.	1.28	Ana Rita
16:25	Mariana Rocha Simões Correia da Costa	MBQpS	Tears biofluid screening of potential biomarkers for health clinical diagnosis		1.29	Silva (MBT);
16:35	Mafalda Valente Fernandes	MBQ	Biochemical characterization of proteins involved in extracellular electron transfer in Geobacter sulfurreducens		1.30	Mafalda
16:45	José Pedro Barcelos Melo	MGMB	The Role of Peptidoglycan Hydrolases in The Concealment of Streptococcus Pneumoniae from Host Receptors		1.31	Ventura
16:55	Inês Areias Anjos	MBT	Development of 3D-printed cancer tissues using computer assisted designs (CAD)		1.32	(MBT)
<b>17:05</b> End of the presentations						

\*\* Manhã: Rayane Albuquerque (MQBO); Carolina Videira (MGMB); Daniela Tomás (MGMB). Tarde: Raquel Pinto (MQBO); Alina Molchanov (MBT)

Jornadas Intercalares das Dissertações Anuais dos Mestrados do DQ e do DCV

February 19-21, 2024 / Room 2.2 Ed.Departamental

<https://videoconf-colibri.zoom.us/j/98865694820>

February 20



Hour	Speaker	Master	Theme	Chair Ref	Alunos 1º ar	
<b>Arrival of Participants</b>						
09:00						
09:30	Daniela Alexandra Rodrigues Pinto	MGMB	Exploring the crosstalk between STn expression and immune suppressive environment	Sofia Pauleta	2.1	
09:40	Carolina Pintor Luciano	MBQpS	Mitigation of greenhouse N2O		2.2	Alina
09:50	Joana Silva Cerqueira	MBCBi	Studying the use of Neurofeedback to support Adaptive VR-Serious Games based on Cognitive Load		2.3	Molchanov
10:00	Miguel Pinto Coelho	MBT	Targeted actinomycete isolation from the River Tagus Bay and Sesimbra sediments, taxonomic characterization, and evaluation of antimicrobial potential		2.4	(MBT);
10:10	Pedro Miguel Cruz Vieira	MQBO	Synthesis of DPP Hybrid Dyeredox Mediator System for Energy Conversion		2.5	Mafalda
10:20	<b>Break (5')</b>					
10:25	Isabel Maria Carvalho Torres Pereira	MBQ	Antifouling and antibiofilm actinomycete extracts as additives for marine paints		2.6	(MBT)
10:35	Ana Carolina Frade Soares	MGMB	Exploring the crosstalk between cancer associated O-glycans and immune suppressive environment		2.7	
10:45	Rute Alexandra Abrantes Vieira	MBQpS	Detection of Potential Human Health Biomarkers in Saliva		2.8	
10:55	Tiago André Duarte Correia	MBT	Targeted actinomycete isolation from the Azores Archipelago sediments, taxonomic characterization, and evaluation of antimicrobial potential	2.9		
11:05	<b>Coffee Break (30')</b>					
11:35	Maria Inês Peixoto Alves Pimenta (Online)	MGMB	Investigation into the role of PAM in the Hypoxic environment of Rheumatoid Arthritis	Jorge Carvalho Silva	2.10	
11:45	Maria Gonçalves Vaz	MQBO	Oxidation reactions of chemical compounds derived from biomass through sustainable processes		2.11	Rayane
11:55	Ana Priscila Cachochas Ramos	MBNM	Engineering 3D scaffolds based on thermoresponsive hydrogels and magnetic nanoparticles for localized cancer treatment		2.12	Albuquerque
12:05	Maria Miguel Madeira Cardoso	MBT	Toxicological profile of cellulose nanomaterials in human gastrointestinal cells		2.13	(MQBO); Ana Rita
12:15	<b>Break (5')</b>					
12:20	André Filipe Bruno de Oliveira Tomás dos Santos	MBCBi	Application and development of viral identification tools for metavirome analysis of wastewaters	2.14	Silva	
12:30	Jennifer Ramos Duarte	MGMB	A universal platform to assess potency of tumor-reactive CAR cells	2.15	(MBT)	
12:40	Catarina Borges Baptista	MBQpS	Development of specialized multicellular 3D-organotypic models to evaluate pathogenic mechanisms in Non-Alcoholic Fatty Liver Disease (NAFLD)	2.16		
12:50	Carolina Simões Balbino	MBQ	Investigation of multidrug-resistant enteric bacteria in pigs produced for human consumption – Is there a risk for Public Health?	2.17		
13:00	<b>Lunch Break (1h)</b>					
14:00	Alexandre Descaço Gil (Online)	MBNM	Blood brain barrier permeability studies of novel lipid nanoparticles for the delivery of promising drugs in Alzheimer disease	Pedro Costa	2.18	
14:10	Beatriz Nunes Boloto da Palma Guerreiro	MBT	Hazard characterisation of Alternaria toxins to improve risk assessment for human health		2.19	
14:20	Marina Alexandra Carriço Curto	MBQ	Upgrading Adeno-Associated Virus vectors delivery: improving efficiency and vector genome cargo delivery		2.20	Alina
14:30	Ângelo Rafael Rodrigues Correia Braga	MBCBi	Comparative genomics to probe virulence mechanisms and evolution in the coffee pathogen Hemileia vastatrix		2.21	Molchanov
14:40	Inês Ferreira Domingos	MGMB	Phenotypic characterization of the induced senescence cells in a spinal cord injury context		2.22	(MBT); Ana Rita
14:50	<b>Break (5')</b>					
14:55	Eduardo Eliziário de Almeida	MBT	Improving lentiviral vector purification through new structured adsorbents	2.23	Silva	
15:05	Lara dos Santos Gonçalves	MBNM	Tackling cancer via combined nanomedicines	2.24	(MBT)	
15:15	Ana Sofia Silva Duarte	MBQpS	The Renin-Angiotensin System: a therapeutic target in diabetic retinopathy?	2.25		
15:25	Eugenia Grosu	MGMB	Importance of microtubule cytoskeleton structure in oocyte competence	2.26		
15:35	<b>Coffee Break (30')</b>					
16:05	Leonor Miguéns Rijo Macedo Alves (Online)	MBNM	Development of thermoresponsive scaffolds for controlled and localized drug release	Luísa Ferr.	2.27	Carolina
16:15	Maria Alexandra Gomes Lúcio	MQBO	Development of Metal-organic Frameworks as Versatile Materials for Applications in Crystal Structure Determination and Photocatalysis		2.28	Videira
16:25	Bruna Gonçalves de Brito	MBQpS	The role of metabolism in neural stem cells proliferation in development and disease		2.29	(MGMB);
16:35	Tito Miguens Lopes Bouças	MBNM	Thermoresponsive hydrogels as 3D scaffolds to create vascularized tissues for tissue regeneration		2.30	Daniela
16:45	Bruna Maria Carolino Lopes Santos	MBT	Potential of microalgae in waste-to-resource systems		2.31	Tomás
16:55	<b>End of the presentations</b>					

\*\* Manhã: Isa Silva (MBQpS); Sara Ganço (MBQpS). Tarde: Rayane Albuquerque (MQBO); Mafalda Ventura (MBT)

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February 21



Hour	Speaker	Master	Theme	Chair Ref	Alunos 1º ar	
<b>Arrival of Participants</b>						
09:00						
09:30	André Rafael Ferreira Salgueiro	MBCBi	Artificial Intelligence-Based Design of Antibody-like Engineered Protein Scaffolds	Teresa Catarino	3.1	
09:40	Andreia dos Reis Bispo	MGMB	Characterization of virulence proteins of Chlamydia trachomatis		3.2	Isa
09:50	Simão Manuel Oliveira Caracho	MBT	BioNanoSensor for GFAP-antigen: towards point-of-care Traumatic Brain Injury diagnostics		3.3	Silva
10:00	Leonardo Alexandre Pirvu	MQBO	Synthesis of pharmaceutically relevant and undiscovered heterocycles: a bimetallic approach		3.4	(MBQpS);
10:10	Verónica Raissa dos Santos Maciel	MBQpS	Synthetic Approaches and Computational Modeling of Naturally Occurring Phenolic Carbohydrate Esters as Lead Pharmaceuticals		3.5	Sara
10:20	<b>Break (5')</b>					
10:25	Lydia Kerfah	MBNM	Development of Conductive Bioinks for 3D Bioprinting of Cardiac Tissues		3.6	(MBQpS)
10:35	Cristina Mediavilla Tris Freitas	MGMB	Revolutionizing Stroke Diagnostics with Surface-Enhanced Raman Spectroscopy (SERS) analysis		3.7	
10:45	David Jeremy Lohmann	MBCBi	Multi-omics approach to unravel phenotypic responses of tropical fish from the Eastern Tropical Pacific to ocean warming and acidification scenarios		3.8	
10:55	Maria Teresa Falcão Barbosa Pereira Rosa	MBT	Nanostructured Bioactive Scaffolds for Musculoskeletal Tissue Engineering	3.9		
11:05	<b>Coffee Break (30')</b>					
11:05	**					
11:35	Catarina Rosado Correia	MBNM	Using a 3D Cardiac Model Derived from hPSCs to Study Heart Developmental Toxicity	Paula Gonçalves	3.10	
11:45	Nuno Maria Reis Ferreira	MBT	Plasmonic Nanostars for Sensitive SERS-based Traumatic Brain Injury Immunodetection		3.11	Raquel
11:55	Joana de Matos Costa Bryton Marques	MBQ	Bacteriocins as a tool to prevent pneumococcal colonization		3.12	Pinto
12:05	Marta Patrício Reis	MBQpS	Study of oxalate metabolism in chronic intermittent hypoxia conditions		3.13	(MQBO); Rayane
12:15	<b>Break (5')</b>					
12:20	João Duarte Piedade Lopes	MBCBi	Multilayer molecular networks shaping goby fish physiological responses to marine heatwaves in intertidal habitats	Paula Gonçalves	3.14	Albuquerque
12:30	Mariana Duarte Pimenta Resende	MBT	Encapsulation of bioactive compounds from Beta vulgaris peels and their application in active films for food packaging		3.15	(MQBO)
12:40	Ana Sofia Martins do Rio	MBQpS	Understanding Streptococcus pneumoniae adaptation to the host for the discovery of novel therapeutic agents		3.16	
12:50	Maria Soutilha Gonçalves da Conceição	MGMB	Epigenetic determinants of replication stress regulation		3.17	
13:00	<b>Lunch Break (1h)</b>					
14:00	Rui Pedro Santos Silva ( <i>Online</i> )	MBNM	Assessing the Effects of Scaffold Porosity and Geometry on Cell Alignment and Contractile Capacity	Ana Rita Duarte	3.18	
14:10	André Filipe da Silva Sousa	MBT	Halophile microbiota as a source of new biotreatments and strategies: extreme adaptations as biotechnological alternative		3.19	Carolina
14:20	João de Matos Reis Aleixo Montes	MBQ	Pathway-guided monitoring of the disease course in bladder cancer with longitudinal exosome urine proteomics		3.20	Videira
14:30	Carlos Miguel Nunes Vital	MBQpS	Cardiac signaling via EVs derived from CCBE1 human cardioids in response to cardiac injury		3.21	(MGMB);
14:40	Rita Sofia Lourenço Pires	MGMB	Establishing the impact of transition metals on gut microbiota pathogen colonization resistance		3.22	Daniela Tomás
14:50	<b>Break (5')</b>					
14:55	Pedro Miguel Brito de Jesus	MBT	Engineering galactose oxidases for enlarged biotechnological applications	Ana Rita Duarte	3.23	(MGMB)
15:05	Diogo Miguel Serranito Tibério	MBQpS	DNA methylation profiling of breast cancer cell lines through nanopore		3.24	
15:15	Margarida Maria de Raimond Caetano	MBQ	Personalized precision medicine for patients undergoing renal carcinoma based on prescriptomics		3.25	
15:25	Samuel Ramos Pereira	MGMB	Variation of venom composition and toxicity in weever fishes (Trachinidae). Implications for biomedicine and biotechnology.		3.26	
15:35	<b>Coffee Break (30')</b>					
15:35	**					
16:05	Luis Tomás Rodrigues Domingues	MQBO	Exploring the use of deep eutectic solvent as alternative active solvents for the synthesis of pharmaceuticals	Sofia Paul.	3.27	Raquel
16:15	Raquel Cristina Teixeira Maricato	MBCBi	Evolution of the minimal stress proteome in marine fauna: potential for adaptation to climate change		3.28	Pinto
16:25	Carolina Ramos Pinta	MBNM	Tissue Engineering of Cardiac Arrhythmic Models for Drug Development		3.29	(MQBO);
16:35	Felipe Martins Azevedo	MBQpS	Development of an injectable hydrogel-DES solution for ocular drug delivery		3.30	Mafalda
16:45	Mariana Mixão Borges	MGMB	O frango como fonte de bactérias zoonóticas multirresistentes para o Homem		3.31	Ventura
16:55	<b>End of the presentations</b>					
(MBT)						

\*\* Manhã: Carolina Videira (MGMB); Daniela Tomás (MGMB). Tarde: Isa Silva (MBQpS); Sara Ganço (MBQpS); Ana Rita Silva (MBT)