

Annual PhD Workshop on Biotechnology 2026

20th July 2026 – Auditório Comendador Arménio Miranda (EBI-100)

Time	Name	Thesis title
9:30	Opening	
9:40	Ana Sofia dos Santos Sousa	Development of Novel Target-Efficient Delivery Microparticles as an Alternative to Alleviate Gastrointestinal Disorders
10:00	Ana Catarina Campos Araújo	Forecasting Solar Cooking Performance: Contribution to Sustainable Healthier Diets and Processing
10:20	Abir Tebai	Natshrimp – Bio-Based and Sustainable Approaches to Preserve Shrimps: Innovative Processes with Improved Performance
10:40	Ana Raquel Guedes Teixeira	Development of Automatic Flow-Based Systems for Real-Time Monitoring of Hydrolysis Processes
11:00	Coffee Break	
11:20	Ana Sofia da Silva Sousa	Biofertilizers and Soil Transplants for Enhancing Soil Health and Crop Production under Water Stress Conditions
11:40	Juliana Isabel Soares Aguiar	Design of Microfluidic-Based Approaches for the Bioanalytical Assessment of Public Health-Related Parameters in Water Sources for Human Consumption
12:00	Francisco Alves Pereira Rodrigues	NextME - Engineering materials for production of NEXT generation knee MENiscus implants

Lunch break

Time	Name	Thesis title
14:20	Anissa Catalina Davel	The Need for a Holistic Approach to Change the Agrifood System
14:40	<i>Cristina Isabel Vieira Rodrigues</i>	<i>Development of Novel Acorn-Derived Ingredients and Postbiotic-Enriched Extracts for Anti-aging and Senotherapeutic Formulations: A Skin-Gut Axis Approach - TP</i>
15:00	Daniela Marisa Vale Ferreira	Development of New Food Products using Agro-Industrial Byproducts for the Cereal Industry Sector
15:20	Djedjiga Bellouche	Algae Biorefinery: Unlocking the Potential of Algal Biomass for Sustainable Protein Ingredient Production
15:40	Coffee Break	
16:00	Éva Marandet	Examining the impact of Novel Cohesion Regulators in Chromosomal Segregation Fidelity
16:20	Filipa Prata Silva	Exploring KSHV LANA role in chromatin modifications
16:40	Ana Catarina Teixeira Sousa	<i>Harnessing Microbial Bioinoculants and Soil Amendments for Climate-Smart Crop Production and Soil Health - TP</i>

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21st July 2026 – Auditório Comendador Arménio Miranda (EBI-100)

Time	Name	Thesis title
9:30	Opening	
9:40	Maria Manuel Pereira de Melo Rodrigues	Design of Microfluidic Paper-Based Sensors for Monitoring Biological Fluids of Non-Invasive Collection - Chemical and Biochemical Assays in Newborn's and Children's Saliva
10:00	Harsimran Kaur	COUSIN - Crop Wild Relatives Utilization and Conservation for Sustainable Agriculture
10:20	Henrique Manuel Pimenta Coelho	Applying Artificial Intelligence System-Based on Routine Laboratory Results for the Early Diagnosis and the Health Impact Prediction of Combined Therapies in Multiple Myeloma
10:40	Ana Sofia Fontes da Silva	SOFTSCAR - Dispositivos Médicos Emissores de FIR com Propriedades Antimicrobianas e Antitranspirantes para a Reabilitação de Amputados
11:00	Coffee Break	
11:20	Israel Bautista Hernández	Biorefinery Approach for Biofunctional Protein-Rich Extracts Obtention Using Algae Biomasses as Novel Sources of Food Additives
11:40	Kavita Bhavin Sorathiya	Natural Solutions to Develop Healthier Clean Label Foods
12:00	Laíres de Araújo Lima	Predifood - Predictive and Accelerated Models for Food Shelf- Life Assessment

Lunch break

Time	Name	Thesis title
14:20	Srishti Singh	Novel approaches to improve properties of cellulose-based packaging. A critical study on safety
14:40	Mahsa Farrokhi	Sustainable Development of Free-From Baking Mixes Based on a Circular Economy Model
15:00	Marco Filipe Pinto Duarte	Impact of Stress on Molecular Mechanisms of Skin Aging: Role of Skin Microbiota
15:20	Maria Inês Leão Silva	Investigate the Role of the Environment-Oral Cavity Interface in the Transmission of Antibiotic Resistance
15:40	Coffee Break	
16:00	Maria João Morais Nunes	Evaluation of the Impact of Nitrite Reduction in Processed Meat Products and Development of a Healthier Alternative Strategy
16:20	Maria Teresa de Moura Pereira Bento de Carvalho	Edible Insects and Food Safety: Providing Scientific Insights for the Agro-Food Sector
16:40	Marta Oliveira Vasconcelos Rosadas	DREAMSkin - Exploring a Decellularized Rabbit Dermal Matrix as a Potential Bio-Substitute of Human Skin

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22nd July 2026 – Auditório Comendador Arménio Miranda (EBI-100)

Time	Name	Thesis title
9:30	Opening	
9:40	Mariana Sofia Brandão Godinho	Development of New Bioinoculant Formulations to Improve Maize Growth under Drought and Reduced Chemical Fertilization
10:00	<i>Sílvia Filipa da Silva Ferreira</i>	<i>Risks and Opportunities Associated with the Water Microbiome in Aquaponics Systems - TP</i>
10:20	Simone Conceição Costa Sá	Dcell2Rcell - Cutting-Edge Supercritical Fluid Bioreactor for Continuous Pancreatic Tissue Decellularization and β -cell Recellularization as a Strategy to Advance Diabetes
10:40	Joana Emília Costa Sá	Human Beta Cell Technology and BioarUficial Pancreas Development: A RegeneraUve Medicine Approach for Diabetes Treatment
11:00	Coffee Break	
11:20	<i>Ricardo Daniel Teixeira Gonçalves</i>	<i>Development of Natural Ingredients from Non-Compliant Fruits and By-products to Enhance Health and Product Value - TP</i>
11:40	Rita da Costa Vedor	Gamma-Aminobutyric Acid Enriched Probiotic Food Carrier as a Non-Drug Alternative to Anxiety Modulation in Childhood and Adolescence
12:00	Sofia Luísa Pereira de Sousa	BE@T – Bioeconomia para Têxtil e Vestuário, investimento TC-C12-i01 – Bioeconomia Sustentável

End of Event