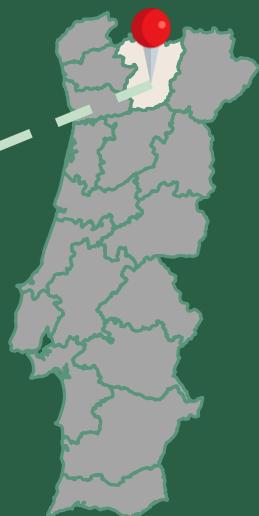


1st Seminar Series 2026

23 January

26 January

3 February



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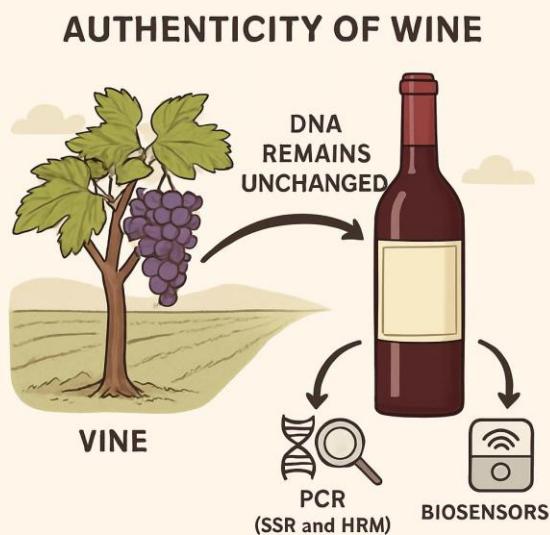


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Co-funded by
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Forensic Genetics Applied to the Food Sector: Wine as a Case Study



23 January



10:00 – 12:00 CET



**Auditório B.01
Blocos Laboratoriais**



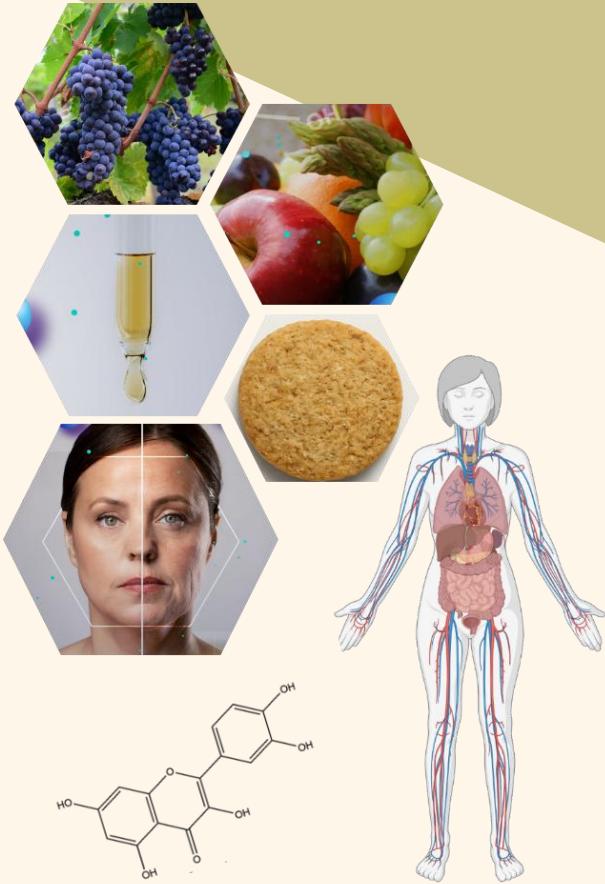
Certificate of Attendance

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Paula Martins-Lopes is an Associate Professor at the University of Trás-os-Montes and Alto Douro, Portugal. She holds degrees up to Habilitation in Genetics and Comparative Molecular Genetics, with MSc and PhD research conducted in collaboration with the John Innes Centre, UK. She leads the DNA & RNA Sensing Lab, focusing on food authenticity (wine and olive oil), molecular markers, biosensors, and plant biotic and abiotic stresses. She has authored numerous scientific papers, patents and book chapters, coordinated several research projects, and received multiple national and international awards for innovation and enology.

Circular Valorization of Wine Industry By-Products: Sustainable Solutions for Food, Cosmetic, and Pharmaceutical Applications



26 January



10:00 – 12:00 CET



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Ana Novo Barros is an Associate Professor with Habilitation at the University of Trás-os-Montes and Alto Douro. She previously directed CITAB and Inov4Agro and currently leads the Phytochemicals Laboratory and Agri-Food Quality Group. Her research focuses on recovering functional molecules from natural products for food, pharmaceutical and cosmetic applications, promoting the circular economy. She has received several awards, published over 160 papers, registered nine patents, coordinates the European project WASTELESS, and has extensive experience supervising researchers and participating in international conferences.

Smart Sensing for Smart Decisions: The Path to a Data-Driven Wine Industry



February



10:00 – 12:00 CET



**Auditório B.02
Blocos Laboratoriais**



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Raul Morais is a Full Professor of Electrical and Computer Engineering at the University of Trás-os-Montes and Alto Douro, Portugal. He holds BSc, MSc, PhD, and Habilitation degrees in Electrical and Computer Engineering and has over 25 years of experience in research, teaching, and academic leadership. His work focuses on smart sensing systems, IoT, and data-driven decision support, with applications in precision viticulture. He developed the mySense platform, integrating data from thousands of sensors to provide operational alerts and support sustainable vineyard management. Raul is a senior researcher at CITAB, coordinates UTAD's Vine&Wine PT Mobilising Agenda, and has authored over 100 publications, holds patents, and frequently speaks on smart sensing and digital agriculture