

WORKSHOPS

The workshops will take place on Tuesday, 3rd of October, from 16h15 to 18h00. Please inform yourself of the meeting room in which the workshop will take place and make sure that you are there on time to avoid delays in the schedule.

1. Translational approaches from academia to start-up,

Pedro Madureira (Meeting Room B)

This workshop offers a personal perspective on the journey from academic research to human clinical trials. Dr. Madureira will discuss the development of the first multibacterial vaccine as an example of translational research. Participants will learn about intellectual property, license agreements, investment strategies, and the importance of a motivated team in bridging the gap between academia and industry.

2. How to fill the gap between academia and clinics,

Delfim Duarte (Meeting Room C)

Dr. Duarte's workshop focuses on bridging the divide between academic research and clinical practice. Participants will explore strategies for translating scientific discoveries into practical applications that benefit patients. The session will cover key aspects of moving research from the laboratory to the bedside, emphasizing the challenges and opportunities in this critical process.

3. Hands-on Bioinformatics: common online tools for genomics/genetics/proteomics,

Marta Ferreira (Meeting Room D)

Large-scale Sequencing projects have created a wealth of data for scientist that is worth to explore. However, the challenge is its analysis and even accessing these data to extract useful information connected to the system being studied. This course focuses on employing Open-source bioinformatics software, tools and resources – including web-based programs and databases to analyse the extraordinary volume of data available, to answer relevant biological questions. Topics covered include the analysis of datasets obtained from high-throughput.

4. How to implement Large-Language models (like ChatGPT) into Scientific Writing,

Helder Maiato (Meeting Room E)

This innovative workshop on Scientific Writing is designed for students eager to enhance their skills and explore the transformative impact of large language models, like ChatGPT, as writing tools. I will guide you through the fundamentals of crafting compelling scientific texts while investigating whether and how AI can support your writing process—from brainstorming ideas to refining your final manuscript. Whether you're looking to simplify complex concepts, improve clarity, or boost creativity, our

interactive sessions will empower you to leverage advanced technology effectively and ethically. By the end of the workshop, you'll not only have sharpened your writing abilities but also gained a deeper understanding of the role AI can play in scientific communication.

5. Protein Structure and Interaction predictions using AlphaFold,

José Manso (Meeting Room F)

This workshop is designed for researchers aiming to explore innovative AI-based tools, such as AlphaFold2, for predicting protein structures and integrating these predictions into their scientific projects. During this workshop, we will cover the following key topics: 1) Introduction to AlphaFold2; 2) How to run AlphaFold2; 3) Understanding AlphaFold2 outputs; 4) Analysing predicted structures; 4) Practical examples.

6. How to perform a good screening,

António Pombinho (BioScreening Facility N021)

This workshop focuses on high-throughput drug discovery and effective screening campaigns. Dr. Pombinho will share best practices and tips for conducting successful screenings. Participants will gain practical knowledge about the drug discovery process and enjoy a virtual tour of the BioSciences Screening Platform lab, providing insight into real-world applications of screening techniques.

7. Science communication in social media,

Andreia Pinho (Sciencewave) (Meeting Room A)

"Science communication: the social media in action"

From the bench to the phone's screen, from the scientist's minds to the public hearts - this is the power of social media. In this workshop, science communication will be in the stage, social media will be in action and PhD students will become producers.