



# BIOAQUA'S 3<sup>rd</sup> HIGH-PERFORMANCE WORKSHOP

CLIMATE RESILIENCE AQUACULTURE SOLUTIONS FOR SUSTAINABLE BLUE

**WHEN?: 12<sup>th</sup> and 13<sup>th</sup> May 2026**

**WHERE?: Palma Aquarium, Palma de Mallorca, Spain**

**[Carrer de Manuela de los Herreros, 21, Platja de Palma i Pla de Sant Jordi, 07610 Palma, Illes Balears](#)**

**BioAqua**  
Sustainable aquaculture solutions



# BIOAQUA'S 3<sup>rd</sup> HIGH-PERFORMANCE WORKSHOP

## AGENDA DAY 1: 12<sup>th</sup> May 2026

09:00 – 09:15

Welcome

09:15 – 10:00

**Keynote presentation:** Aquaculture and Water Resilience: Innovation Pathways for a Sustainable Blue Bioeconomy – Reinhold Hanel

Online participation from [THIS LINK](#)

10:00 – 11:30

**Session 1: Aquaculture key concerns** - Chaired by: Orkid Weber (tbc)

Online participation from [THIS LINK](#)

- 10:00 – PFAS - A global concern for aquaculture – Rajat Nag
- 10:30 - The application of computer vision analysis as a predictive tool for harmful events in aquaculture - Caterina Varvara
- 11:00 - Nutrition-related diseases in meagre farming - Gülden YAZAR (online presentation)

11:30 – 12:00

Coffee break

12:00 – 13:30

**Session 2: Fish welfare** - Chaired by: Konstantina Bitchava (tbc)

Online participation from [THIS LINK](#)

- 12:00 - Development of an Innovative Feed Additive to Improve Survival Rates in Marine Fish Larval Production Using Marine Non-Pathogenic Streptomyces Isolates: Marine-Derived Protective Mechanisms - Sebahattin Ergün
- 12:30 - Strengthening Fish Welfare Through Culture-Independent Surveillance: Genus-Level qPCR Screening for Key Bacterial Pathogens in Aquatic Systems - Muhammed Duman
- 13:00 - Biomolecular and Data-Driven Approaches to Climate-Resilient Aquaculture within a Sustainable Blue Economy - Theo Zacharis

13:30 – 14:30

Lunch break

14:30 – 16:30

**Session 3: Sensors and actuators** - Chaired by: Hilal Ay (tbc)

Online participation from [THIS LINK](#)

- 14:30 - Smart Monitoring of Fish Health Using Phones and Sensors - Ivana Giovanna Zupičić
- 15:00 - EcoDropLab: Sustainable Droplet Microfluidics for Microplastic and Biofilm Research – Simona Bartkova
- 15:30 – Using proteomics-based MALDI-TOF MS to identify Staphylococcus warneri from rainbow trout - Öznur Diler
- 16:00 - Quorum-Sensing modulators for sustainable bacteria control - Miguel Rodrigues

16:30 – 18:30

**Poster session** – Chaired by: Rajat Nag (tbc) [Online participation from THIS LINK](#)

### **Pitching order during poster 12/5 session:**

- Exploring *Saccharina latissima* as a Potential Immunomodulatory Ingredient in Aquaculture Feeds - Ana Rebelo
- Genomic Delineation and Virulence Characterization of Three Novel *Aeromonas* Taxa from Aquatic Hosts – Izzet Burcin Saticioglu
- Proteomic Insights into Immune, Stress, Intestinal, and Gustatory Responses of Fish to Microbial-Based Biostimulators Aquafeeds - Grigore Daniela-Mihaela
- Portable Multiplex Quantification of Marine Biotoxins Using a Digital Colour-Encoded Lateral Flow Platform with Shape-Tailored Gold Nanoparticles for Climate-Resilient Aquaculture - Perveen akhtar
- Eco-Friendly Technological Advances in Adriatic *Ulva* spp. Valorization: Green Extraction and Biopolymer Encapsulation of Functional Bioactives, Polyphenolic compounds and Natural Pigments - Nada Čujić Nikolić
- Molecular Surveillance of IHNV in North Macedonian Trout Farms: Challenges for Sustainable Aquaculture - Aleksandar Trajchovski
- Engineering Oral Fish Vaccines: Technological Advances and Immunological Challenges - Theodosios Dimitriadis Engineering Oral Fish Vaccines: Technological Advances and Immunological Challenges - Theodosios Dimitriadis

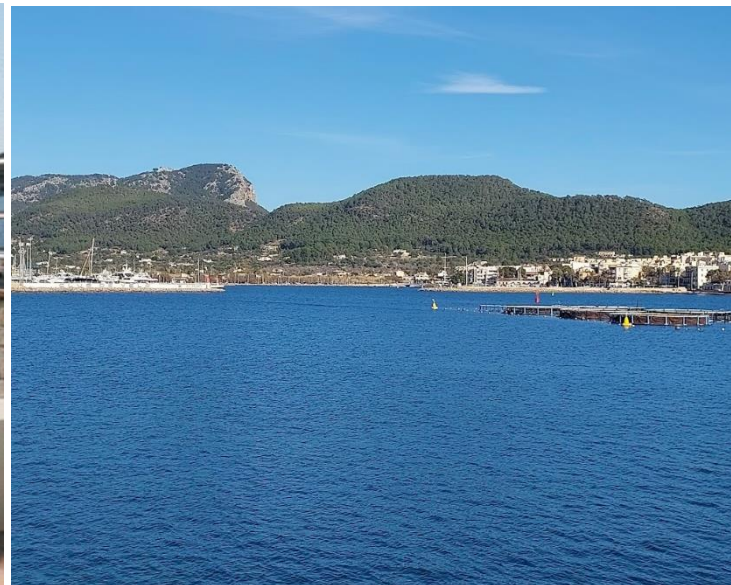
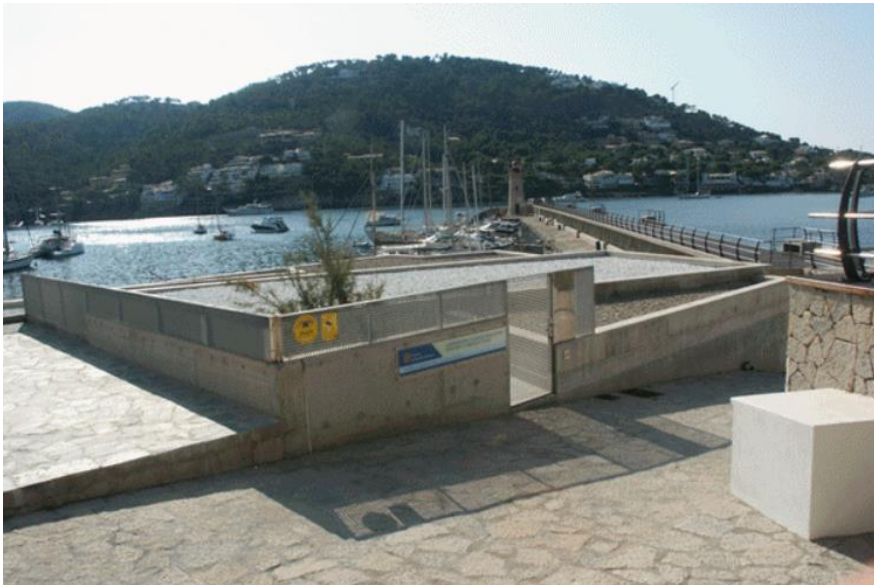
# BIOAQUA'S 3<sup>rd</sup> HIGH-PERFORMANCE WORKSHOP

## AGENDA DAY 2: 13<sup>th</sup> May 2026

09:00	Pick-up by bus
10:00 – 11:00	Visit to <a href="#">LIMIA – Laboratorio de Investigaciones Marinas y Acuicultura</a>
11:00 – 14:00	Visit to <a href="#">IEO - Centro Oceanográfico de Baleares - Instituto Español de Oceanografía</a>
14:00 – 15:00	Lunch break
15:00 – 16:00	<b>Activity at Palma Aquarium Protection, Preservation, Education Foundation</b> - A specialist will guide us through a simulation of the rescue of a marine turtle or a delfin, so we learn about their procedures and protocols. <a href="#">Online participation from THIS LINK</a>
16:00 – 18:30	<b>Session 4: Biomolecular solutions</b> - Chaired by: Ivana Giovanna Zupičić (tbc) <a href="#">Online participation from THIS LINK</a> <ul style="list-style-type: none"><li>▪ 30min - Three Novel Microbacterium Species Isolated from the Marmara Sea Mucilage Event: Genomic, Phenotypic and Metagenomic Evidence - Semih Alpsoy</li><li>▪ 30min - Climate Resilience in Türkiye's Finfish Aquaculture: Sector Trends and Risk Drivers (2010–2025) - Ömerhan Dürrani</li><li>▪ 30min - Harnessing Medicinal and Aromatic Plants as Biomolecular Tools for Antiparasitic and Antimicrobial Applications in Sustainable Aquaculture - Deniz İnnal</li><li>▪ 30min - Cryobanks and Their Role in Conservation of Aquatic Genetic Resources - Yusuf Bozkurt</li><li>▪ 30min - Depth-dependent variation in fatty acid composition and nutritional quality of Mediterranean mussels (<i>Mytilus galloprovincialis</i>) cultured in longline systems in the Black Sea - Meryem Yesim Celik</li></ul>

## Visit to LIMIA:

LIMIA cannot host altogether such a big group as we are; additionally, many animals are now in reproduction season and we could disturb them. So we will enjoy a 1-hour visit from the deck, from where they will show us the facilities and explain us their projects. Furthermore, a researcher from the Biology Department of Universitat de les Illes Balears will join us there to also describe their projects and have a great scientific dialogue altogether.



## Visit to IEO:

Again, it is hard for IEO to show us around altogether, so we will split in 2 groups: 1st half will have a guided visit from 11:30 to 12:30 and second half from 12:30 to 13:30. In the meantime, I am trying to arrange an activity for the group who stays waiting.