III Workshop "Immunology, nutrition and welfare in aquaculture"

26th November 2026

From 10:00 to 14:00h (CET).

(IDIBE-UMH, Edificio Torregaitán, Sala Von Humboldt)

Registration: https://docs.google.com/forms/d/1yR-Ztka4nQMHBEv37mhO_AvSzJdcC0K7qFICgT8KVwU

Organizers: Prof. María del Mar Ortega-Villaizán, Dr. Jose Carlos Campos-Sánchez (IDiBE- UMH)

Scientific programme

10:00-10:10h Welcome Prof. María del Mar Ortega-Villaizán.

10:10-11:00h **Dr. Øystein Evensen** (Norwegian University of Life Sciences, Norway) – Alphavirus infection mechanisms and host responses in salmonids.

11:00-11:15h **Prof. Ottavia Benedicenti** (Norwegian Veterinary Institute, Norway) – From Fish Microbiota to Environmental Sequencing: New Perspectives on Health and Welfare Monitoring in Aquaculture.

11:15-11:30h **Dr. Cristóbal Espinosa-Ruiz** (IMIDA, Spain) – From Haemolymph to Tissues: Exploring the Immune Defences of *Penaeus kerathurus.*

11:30-11:45h **Dr. Nora Albaladejo-Riad** (IMIDA, Spain) – NPOWER: Nutrient Recovery in Aquaculture.

11:45-12:00h **Dr. Inmaculada Ruiz-Lorente** (University of Murcia, Spain) – Single-Cell RNA Sequencing: New Insights Into Fish Immunity, Health and Welfare.

12:00-12:15h **Úrsula Montalbán-Garrido** (University of Murcia, Spain) – Effects of nicotinamide mononucleotide and β-hydroxy-β-methylbutyrate supplementation on the liver of gilthead seabream (*Sparus aurata*).

12:15-12:45h Coffee break

12:45-13:00h **Dr. Jose Carlos Campos** (Miguel Hernández University, Spain) – Effects of dietary arnica on immune parameters and the response to VHSV infection in rainbow trout (*Oncorhynchus mykiss*).

13:00-13:15h **Yeray Kevin Cerpa Damas** (Miguel Hernández University, Spain) – Toward effective microalgae-based oral vaccines for rainbow trout.

13:15-13:30h **Adrián López Murcia** (Miguel Hernández University, Spain) – Single-cell chromatin accessibility profiling of Red Blood Cells from fish following DNA vaccination against VHSV.

13:30-13:45h **Prof. María del Mar Ortega-Villaizán** (Miguel Hernández University, Spain) – Alternative approaches to antiviral vaccines in aquaculture fish.

13:45-14:00 h Conclusions and final remarks Dr. Jose Carlos Campos-Sánchez.

14:00h Networking lunch.

Workshop partially funded by the AIEFFI 2026 Grant from the Miguel Hernández University of Elche to IDIBE.