

The present volume collects the contributions of lecturers at the **Training Course on Fish Nutrition Research: Recent Advances and Perspectives**, organized by the *Nutrigenomics and Fish Growth Endocrinology Group of Institute of Aquaculture Torre de la Sal* (IATS-CSIC). The Course was sponsored by **USSEC** and directed to R+D personnel of the aquaculture sector working in fish nutrition and health. From June 13-15 2017, conferences were held at Hotel Voramar in Benicàssim by researchers of **IATS-CSIC** (Nutrigenomics and Fish Pathology Groups), **INRA** (Drs. S. Kaushik and G. Corraze), **ULPGC** (Profs. M. Izquierdo and J. Afonso) and Sparos Lda (Dr. L. Conceição).

Topics covered a wide range of nutrition-mediated issues: larval nutritional programming, nutrient x genotype interactions, resistance to bacterial and parasite infections, food safety, and long-term consequences of low fish meal/fish oil diets in fish species of interest in aquaculture (rainbow trout, European sea bass, gilthead sea bream).

Main results and conclusions are from the **ARRAINA** EU Project. Current research on ongoing H2020 Projects (**ParaFishControl** , **AQUAEXCEL**²⁰²⁰) is also presented.

The Course was completed with a visit to IATS-CSIC facilities on June 16.