

PhD Opportunity in Spain

# MARIE SKLODOWSKA-CURIE

## Microbial biomarkers for fish mucosal health

grant agreement No. 956697  
[EURAXES No. 612306](#)

Supervised by:

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3 years



Starts in September 2021



Secondments in the Netherlands and Norway



Hands-on training and EATfish training events



Attractive salary in accordance to MSCA regulations



Mobility Allowance



At the Institute of Aquaculture Torre de la Sal (Castellón), a reference centre in marine aquaculture.  
You will be registered at the Polytechnic University of Valencia (UPV) and work in the Mediterranean Coast, at the heart of a Natural Marshland Park.  
[www.iats.csic.es](http://www.iats.csic.es)

**Application Deadline: 1<sup>st</sup> May 2021**



# Why choosing IATS, why choosing CSIC

The IATS is embedded into the Spanish National Research Council (CSIC) — an internationally renowned research excellence framework.

## What you will investigate

You will investigate the changes in the mucosal microbiota of *Sparus aurata* in response to biotic factors (e.g host genetics, presence of pathogens) and abiotic factors (e.g water temperature, diet, oxygen, exercise). You will link these to fish health and performance indicators to understand how specific microbial taxa and genes relate to hosts' health. Metagenomics, metatranscriptomics and general performance indicators will help you assess health markers.

As part of the [EATFish Research Project](#), you will become a PhD within a network that aims to educate young scientists to envision and create interdisciplinary changes. EATFish seeks to integrate the needed biological, technical, socio-economic and governance aspects for sustainable and profitable European aquaculture.

## What we are looking for

To succeed, you must:

- Be enthusiastic, proactive and a team worker
- Be proficient in molecular biology, genomic data analysis and scientific writing
- Be educated in biological sciences, marine sciences, or aquaculture
- Demonstrate excellent proficiency in written and spoken English. Spanish is not needed, but preferable
- Not have a doctoral degree
- Be in your first four years of the research career
- Be eligible to enrol in a PhD programme at UPV
- Not have carried out activities (work, studies, etc.) in Spain for more than twelve months in the three years immediately before the 1st of September 2021

At IATS, we firmly believe that inclusive and diverse teams benefit from innovation and creativity. We encourage applications from all individuals regardless of gender, nationality, ethnicity or background.

### CSIC in numbers:



120 Institutes in Spain



1<sup>st</sup> Spanish public research institution, 3<sup>rd</sup> in Europe and 7<sup>th</sup> in the world



> 10,000 researchers  
+ Support Staff

## How to apply

Send us:

- A motivation letter
- Two reference letters from previous professors, supervisors or employers
- Your CV with detailed academic transcripts of undergraduate and postgraduate level certificates