

## SERGIO MARÍN EDO

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### EDUCATION

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**PhD degree in Exercise Science** November 2017 -Ongoing.

**School of Health and Life Sciences, Federation University, Australia.**

My project links physical activity and gene expression I am studying how physical exercise modulates gene expression.

**Master's degree in Biomedicine**, Graduation: June 2013.

University of Barcelona(Spain)

**Relevant subjects:**

- Genomics and proteomics
- Molecular biology techniques
- Immunology
- Experimental animal models

**Bachelor of Science (Honours, Biology).Major in Cell Biology and Genetics** Graduation: June 2011

Autonomous University of Barcelona, (Spain)

### RELEVANT COURSEWORK

Course of Animal Laboratory Research -LevelC: Management of animal experimentation

Course "Bioinformatic methods I" from University of Toronto.

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### WORK EXPERIENCE

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February 2016- December 2017

**Research assistant**

**School of Medicine, Deakin University**

Collaborating with Professor Alister Ward team studying the Immune system in Zebrafish, focusing on characterization and identification of NK cell lymphocytes. During my collaboration I can highlight the following techniques:

- Primers design
- PCR
- Electrophoresis
- Embryo transplantation
- Embryo transgenesis

June 2014- December 2014

**Research Assistant**

**Department of Oceanography and Fisheries (DOP) University of Açores**

Working under the supervision of a senior researcher and performing independently the assigned tasks, among which I can highlight the following:

- Protein extraction
- DNA and RNA extraction
- Gene expression analysis
- Acute toxicity analysis of heavy metals in deep-sea hydrothermal vent mussels
- Collection and processing of Histological samples
- FISH, Trichrome de Masson
- Fluorescence microscopy

May 2012 – September 2013

**Intern Researcher**

**Immunology department, Hospital del Mar Medical Research Institute (IMIM)**

**Barcelona Biomedical research Park Barcelona (PRBB), Spain**

Initially worked as Research assistant under the supervision of a Senior researcher. In September 2012 I started working as master student, then I went on performing the assigned tasks independently until the end of my contract.

During the above period I can highlight the following activities:

- Purification of mononuclear cells from cord blood
- Cell cultures to assess the functionality of antigen-specific T cells.
- Immunofluorescence assays, flow cytometry

July 2010 - September 2010

**Biology Internship**

**Bio-image and Histology Department, Center of Regenerative Medicine (CMRB)**

**Barcelona Biomedical Research Park (PRBB), Spain**

- Collection and processing of histological samples
- Analysis of histological samples through fluorescent microscopy.

During my internship I acquired skill with fluorescent microscopy analysis software Leica.

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*PUBLICATION*

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Abstract from oral presentation performed on MIDAS European project annual meeting 2014, Ponta Delgada:

**Lucky Strike mussel *Bathymodiolus azoricus* exposed to Cu acute toxicity under pressurized conditions.** Inês Martins, Raul Bettencourt, Virginie Riou, **Sergio Marin**, Renato Bettencourt, Sergio Gomes and Ana Colaço.

Inês Martins<sup>a,b,\*</sup>, Joana Goulart<sup>a,b</sup>, Eva Martins<sup>a,b</sup>, Rosa Morales<sup>b</sup>, **Sergio Marín<sup>b</sup>**, Virginie Riou<sup>b</sup>, Ana Colaço<sup>a,b</sup>, Raul Bettencourt<sup>a,b</sup> **Physiological impacts of Cu acute exposure on deep-sea vent mussel *Bathymodiolus azoricus* under a deep-sea mining activities scenario** *In prep.*

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## LANGUAGES

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**Spanish, Catalan: Mothertongues**

**English: Advanced (IELTS  
overall band score 7)**

**Portuguese: Intermediate**

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## REFERENCES

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**Dr. Ramon Gimeno**

Head Researcher  
Immunology department, (IMIM)  
Hospital el Mar Medical Research  
Institute  
Barcelona Biomedical Research  
Park (PRBB)  
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**Prof. Alister Ward**

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