

## Expression of Interest



### Contact Person/Scientist in Charge

- **Name and surname:** Manuel Martinez Garcia
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### Universidad de Alicante

#### Department / Institute / Centre

- **Name:** Single Cell and Virus Genomics Lab
- **Address:** Universidad de Alicante, Carretera San Vicente del Raspeig, s/n
- **Province:** Alicante

#### Research Area

- Environmental Sciences and Geology (ENV)
- Life Sciences (LIF)

### Brief description of the institution:

The University of Alicante (UA) was created in 1979. Today it educates and trains more than 25.000 students -3.000 of them are international students - and offers more than 43 undergraduate and 80 postgraduate programmes: consequently it is proportionally one of the fastest growing universities in Spain. The UA houses 227 research groups in Social and Legal Sciences, Experimental Sciences, Technological Sciences, Human Sciences, Education and Health Sciences and 15 Research Institutes (Water & Environment, Materials, Electrochemistry, Biodiversity, Chemical Processes and Organic Synthesis, and Modern Languages, among others). Thus, the UA employs over 3.500 researchers/ professors and has a complex management /administration structure of 1.300 people, which involves an annual budget of 200 million Euros.

UA is a young and dynamic university with vast experience in implementing EU funded projects in different programmes and areas, with presence in more than 60 countries worldwide. In the last 10 years, UA has successfully acted as coordinator of many Tempus, Alfa, Edulink projects involving Third Countries and Lifelong Learning and Framework Programme (FP, DG Research) Projects. Moreover, the participation in

FP has been increasing in the last years, taking part in 25 5th FP, 26 6th FP, 45 7th FP projects (13 of them coordinated by UA), and 11 in H2020.

It is worth underline the big effort performed by UA in order to meet the commitment with the principles set out in the European Charter for Researchers and in the Code of Conduct for the Recruitment of Researcher

**Brief description of the Centre/Research Group (including URL if applicable):**

The Postdoc will be hosted at the University of Alicante in the Department of Phisiology, Genetics and Microbiology. Our lab is fully equipped for conducting Metagenomics, Single Cell Genomics and in general many of the "standard" experiments in Microbial Ecology, such as flow cytometry, DGGE, FISH, PFGE and qPCR.

In addition, we have a complete core facility that provide with high-tech instruments: TEM, SEM, confocal microscopy, the Genomic and Proteomic Center and a HPLC Unit. We also have a couple of cutting-edge bioinformatic servers (256 Gb of RAM, etc...) for computing genome assembly and metagenomic analyses.

**Project description:**

In our lab, we love microbes and use cutting-edge technologies based on Single Cell and Virus Genomics combined with Metagenomics to unveil the microbial diversity and function of aquatic microbes, and recently also in human (micro-) environments as well. Mthe PI, Manuel Martinez-Garcia is funded by the prestigious Moore Foundation (EEUU) and by other National Spanish Agencies. We are seeking highly motivated postdocs to be integrated in our group with skills on bioinformatics, molecular biology, microbial ecology and metagenomics, but most importantly, with passion for science. Currently, in the lab there are 1 research technician, 2 PhD students, and one postdoc. More information can be found on our website: <http://martinez-garcia-science.weebly.com/> or by contacting [m.martinez@ua.es](mailto:m.martinez@ua.es)

**Applications**

Email Manuel Martinez-Garcia: [m.martinez@ua.es](mailto:m.martinez@ua.es). Please do not hesitate to contact me to discuss projects and ideas. I encourage the postdoc to work on what he/she loves and am open for discussing potential projects.