

Expression of Interest

Contact Person/Scientist in Charge

- **Name and surname:** José Joaquín Rodes Roca
 - **Email:** jjrodes@ua.es
- Universidad de Alicante**

Department / Institute / Centre

- **Name of institution:** University Institute of Physics Applied to Sciences and Technologies
- **Address:** Carretera Alicante - San Vicente
- **Province:** Alicante
-

Research Area

- Physics (PHY)
- Information Science and Engineering (ENG)

Brief description of the institution:

The University of Alicante (UA) was created in 1979. Today it educates and trains more than 36.000 students -2.500 of them are international students - and offers more than 80 undergraduate and 96 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 2.400 researchers/ professors and has a complex management /administration structure of 1.300 people, which involves an annual budget of 175 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 6 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:

Institute has more than 50 researchers belonging to 7 different branches of knowledge. Our research group is formed by two professors, one associate professor, one PhD fellowship and three PhD students in the field of Astronomy and Astrophysics (X-ray sources, optical and infrared spectroscopy, X-ray simulations for ESA's mission Athena). We also have international collaborations developing joint research projects and an agreement with the Busot Observatory to obtain long term variability of binary systems by photometry. More details can be found on the webpages:

<https://iufacyt.ua.es/en/> (Institute);

<https://blogs.ua.es/xragua/> and

<https://web.ua.es/xray> (X-ray Astronomy Group);

<http://webserver.javalab.ua.es/ahead/> (Prof. José Miguel Torrejón was the leader of two work packages in this international joint project at University of Alicante).

Project description:

We are searching for candidates experienced in high-resolution X-ray spectra with computer skills to develop simulations. Any person with computer skills can be accepted and our group allows her/him to learn X-ray astrophysics for applying correctly these simulations. You can follow our publications on the webpage <https://blogs.ua.es/xragua/team/> (link publications).

Applications

- CV
- Letter of motivation
- Computer skills, language skills

Deadline 15 July 2019