

PhD Scholarship position in solid-state technologies for mass spectrometry imaging

The Metabolomics Platform (<http://metabolomicsplatform.com/>) from the Rovira i Virgili University (<http://www.urv.cat/>) is seeking PhD candidates to apply for one scholarship at our research facilities located in Tarragona (Catalonia, Spain).

The grant is associated to the following research project, funded by the Spanish government recently: RTI2018-096061-B-I00 (*Development of new molecular histology technologies based on imaging spectroscopy and its application to the study cancer and diabetes*). The supervisors of the PhD. thesis will be Dr. Maria Garcia Altares and Prof. Xavier Correig. The objective of the scholarship is the design, fabrication and characterization of solid-state nanostructured surfaces for 2D metabolomics analysis of tissue samples using mass spectrometry and Raman imaging techniques.

Required profile: Candidates should have a background on materials, physics or chemistry science or electronics or telecommunication engineering, or equivalent qualifications. Experience on computer science, statistics or multivariate analysis will also be highly appreciated. Candidates need to have a Bachelor and a Master degree to be eligible for the PhD position. The metabolomics Platform is a multidisciplinary research group formed by chemists, biochemists, physicists, computer and telecommunication engineers that has a very close relationship with a metabolomics platform structure. Therefore, experience or strong interest in related fields (analytical chemistry, biology, medicine, etc.) will be highly valued.

Position: We offer a 4-year contract scholarship to develop research work that would allow the candidates to obtain their PhD degree in the doctorate program of *Tecnologies for Nanosystems, Bioengineering and Energy* at the *Department of Electrical Engineering* of the Rovira i Virgili University. The Universitat Rovira i Virgili is a public university in the South of Catalonia. It is very strong in research and takes 80th position in the "Times Higher Education" ranking of the top 100 universities under the age of 50. Tarragona is a Mediterranean coastal city with a mild climate, great beaches, and it is located 100 km South - East of Barcelona with many cultural and ludic activities available.

Application: Candidates should apply to the program of the MICINN: Ayudas para contratos predoctorales para la formación de doctores 2019 (<http://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=14d767e8fd8cd610VgnVCM1000001d04140aRCRD>) no later than Nov 7th 2019. We would be grateful if you also notify your application to Maria Pineda Molas <pineda.molas@urv.cat>, sending her by email your motivation letter and CV. You can also contact her for any doubt or more information about the position or the research group.