

PhD Scholarship position in materials science and metabolomics

The SIPOMICS (Signal Processing for Omic Sciences) research Group 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).

PhD project: *Development of micro/nano electronic surfaces for Laser Desorption Ionization Mass Spectrometry (LDI-MS)*. The Spanish Ministry of Science and Innovation has founded this project recently. The objectives are the fabrication and characterization of different nanostructured materials (silicon, alumina, gold, metal-oxides, etc.) suitable for the analysis of tissue and bio-fluid metabolites by MALDI-TOF mass spectrometry and the creation of data processing and visualization algorithms. It is also expected to set up analytical applications based on LDI-MS.

Required profile: Candidates should have a background on electronics, chemistry or physics. Experience on materials science, multivariate analysis and analytical chemistry will also be appreciated. Candidates may have a Bachelor and a Master degree to be eligible for the PhD position. SIPOMICS 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 (www.metabolomicsplatform.com).

Position: We offer a 3-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 city with a mild climate, 100 km South - East of Barcelona with many cultural and ludic activities.

Application: Candidates should apply to [Programa Martí Franqués](#) (positions No. 2016PMF-PIPF-15 and 2016PMF-PIPF-16) no later than June 13th 2016. We would be grateful if you also notify your application to Dr. Serena Pujol (serena.pujol@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.