

PABLO RODRIGUEZ GONZALEZ



Academic Studies

BSc in Chemistry, University of Oviedo (1999)

Master Degree in Analytical Chemistry, University of Oviedo, Vienna
University of technology (2000)

PhD Analytical Chemistry (European Degree), University of Oviedo (2005)

Professional Experience

-Postdoctoral researcher, Laboratory of Bio-inorganic and Environmental Analytical Chemistry (LCABIE) at the IPREM (Multidisciplinary Institute for Environmental and Material Sciences) in Pau (France). (2005-2008)

-“Juan de la Cierva” Researcher at the Department of Physical and analytical chemistry, University of Oviedo, Spain (2009-2010)

-“Ramón y Cajal” Researcher at the Department of Physical and analytical chemistry, University of Oviedo, Spain (2011-2015)

Contact

Address: Department of Physical and Analytical Chemistry, Faculty of Chemistry, University of Oviedo.

Julián Clavería, 8, 33006, Oviedo, Spain.

Telephone: +34 985 103000 Ext-5366

Email: rodriguezpablo@uniovi.es

Research topics:

1. Development of new analytical methodologies based on Isotope Dilution Mass Spectrometry for:

- Speciation Analysis for trace elements in biological and environmental samples by ICP-MS.

- Determination of organic compounds in clinical, environmental, biological and food samples by GC-MS/MS, GC-MS and LC-MS/MS.
 - Determination of proteins biomarkers in clinical samples by quantitative proteomics using LC- MS/MS
2. Application of enriched stable isotopes in clinical chemistry and metabolic studies.
 3. Measurement of species-specific natural Isotope variations of metals by coupling chromatographic techniques to Multicollector ICP-MS for the study the biogeochemical processes of metal species in the environment.

Mass Spectrometry Experience:

Mass Spectrometers: quadrupole (Q), triple quadrupole (QqQ), multicollector (MC).

Ionization Sources: Inductively Coupled Plasma (ICP), Electrospray (ESI), Electron Ionization (EI).

Sample introduction and/or separation techniques: Liquid and Gas Chromatography.

Fields: clinical, biochemical and metabolomics analysis, toxicological analysis, food analysis, geochemistry and environmental analysis.