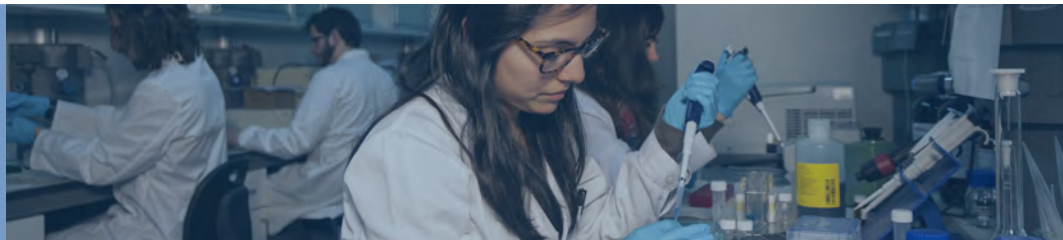




Universidad  
de Alcalá



## BIOLOGICAL CHEMISTRY

Code  
686

### QUIBIO

#### RESEARCH AREA

Experimental Sciences,  
Health Sciences

#### COORDINATOR

Juan J. Vaquero López  
Miguel Ángel Fernández  
Rodríguez

#### KEY WORDS

Organic synthesis,  
Bioactive compounds,  
Renal disease, Catalysis,  
Azaborines, Staining  
agents,  
Bioimaging

#### AIM

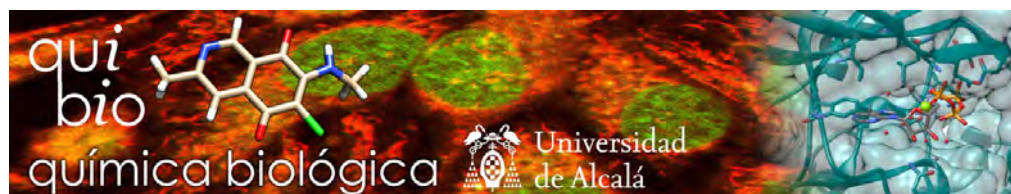
- Pharmaceutical industry
- Materials Science

#### CONTACT



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#### ABOUT US

The BIOLOGICAL CHEMISTRY group is formed by chemists, pharmacists and molecular biologists. The research is developed in the areas of Synthetic Chemistry, Catalysis, Medicinal and Bioorganic.

The group is currently funded with competitive projects from the Spanish Ministerio de Ciencia e Innovación, the Institute of Health Carlos III, the Community of Madrid and the University of Alcalá. The group is integrated in prestigious research networks such as RETICS (Thematic Network of Cooperative Research in Health), IRICYS (Ramón y Cajal Institute for Health Research), the consortium NOVELREN of the Community of Madrid (Chronic Kidney Disease: New Strategies for Prevention, Diagnosis and Treatment) and belongs to the Andrés M. del Río Chemical Research Institute (IQAR).

#### RESEARCH AREA

- Design and synthesis of bioactive compounds against targets involved in kidney disease
- Development of new synthetic methodologies
- Synthesis, reactivity and applications of azaborines
- Development of new agents for cell staining and bioimaging

#### OFFERED SERVICES

- Synthesis of all kinds of organic and organometallic compounds (use of wide range of temperatures and pressures, inert atmospheres and multigram scales)
- Identification and characterization of compounds and mixtures

#### MARKETABLE RESULTS

