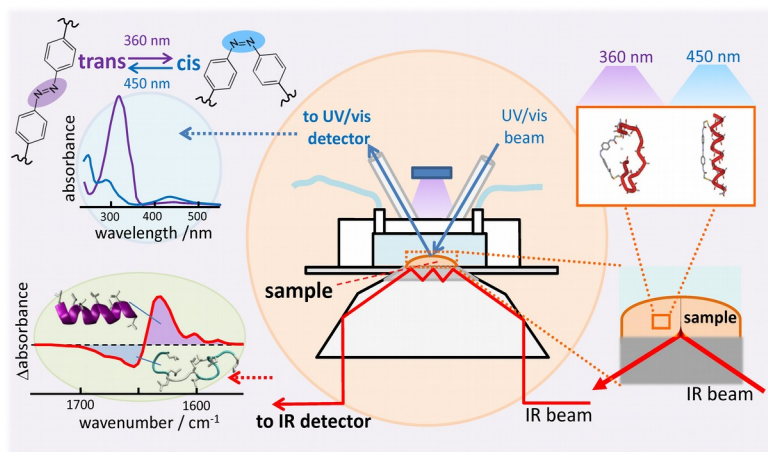
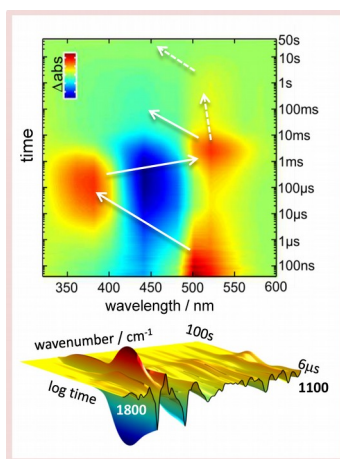


PhD position

The **group of Biomembranes** from the **Institute for Molecular Science (ICMol)** at the Universitat de València (Spain), is looking for a well-qualified and highly motivated student.

We offer a **4 years PhD position** linked to the project **Optical control of folding, membrane insertion and biological activity of photoswitchable hydrophobic peptides**, founded by the Spanish Ministry of Economy and Competitiveness (MINECO). Candidates with an excellent academic record ready to apply to PhD fellowships are welcomed as well.

Our goal is to engineering protein fragments whose folding, membrane localization and/or biological activity can be controlled with light using photoswitchable molecules, with the final aims to understand these processes at the atomic level and to be able to manipulate them for practical applications.



Applicant Eligibility

Candidates must hold an internationally recognized master's degree (or evidence that it will be soon obtained), ready to enroll a PhD program from the Universitat de València (course 2017/1018).

Applicant Profile

Proven track record of academic excellence, with interest in the intersection between physics, chemistry and biology.

Laboratory experience is desired, in particular in organic synthesis, chromatography, and/or in molecular spectroscopies (IR, CD, Raman, UV-vis). Basic knowledge in scientific programming or in molecular simulations will be positively evaluated.

What we offer

A four years PhD position. Economical retribution accordingly to MINECO standards, with covered academic fees. National health and unemployment

insurance benefits included. International and domestic mobility, with planned research stages in Berlin.

How to Apply

For applications and any inquires contact victor.lorenz@uv.es (subject "OptoMembrane PreDoc") well before the opening of the next call for *Ayudas para contratos predoctorales para la formación de doctores* (former FPI), expected around summer 2017. Include:

- Personal data and CV specifying education and relevant experience.
- Cover letter, including motivation.
- A scan of the Certified Academic Record, showing grades (degree and master).
- Email addresses of two potential referees

Recent selected publications

-Lórenz-Fonfría et al. *Proc Natl Acad Sci U S A*. 2015; 112:E5796-804.
 -Giménez et al *Langmuir*. 2015; 31:3146-58.
 -Lórenz-Fonfría et al. *J Am Chem Soc*. 2015;137:1850-61.



UNIVERSITAT DE VALÈNCIA

ICMOL



National Programme for the Promotion of Talent and Employability (former F