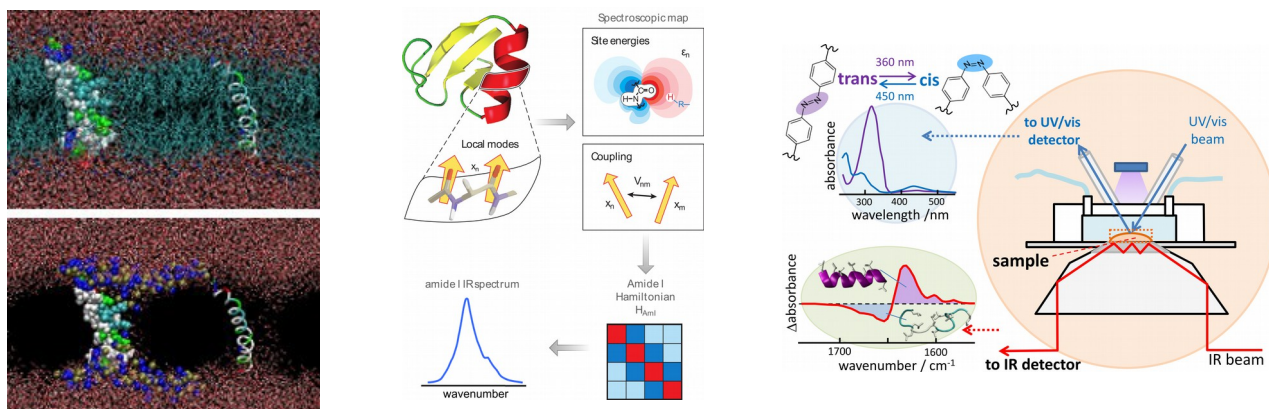


Postdoctoral position

MemBioPhys@ICMol
The Membrane Biophysics Group

The [Membrane Biophysics](#) group from the **Institute for Molecular Science (ICMol)** at the Universitat de València (Spain), led by Jesus Salgado and Victor Lorenz-Fonfria, offers a **postdoc** position linked to the project **Optical control of folding, membrane insertion and biological activity of photoswitchable hydrophobic peptides**, funded by the Spanish Ministry of Economy and Competitiveness. Candidates willing to apply to competitive postdoctoral fellowships for this or other projects are welcome as well.

Our goal is to understand the mechanism and the dynamics for the folding / insertion of hydrophobic proteins fragments into the lipidic membrane at the molecular level. We will combine spectroscopic experiments (IR, CD, ...) with molecular dynamics and spectral simulations on chemically engineered peptides whose folding can be triggered by light.



Applicant Eligibility

Candidates must hold a PhD in science by a recognized university, received after June 2014.

Applicant Profile

- Background in theoretical/computational biophysics.
- Experience in classical molecular dynamics simulations of biomolecules.
- Strong interest in linking simulations and experiments.

Experience in ab initio and semiempirical calculations of vibrational spectra will be evaluated positively, as well as good programming skills and experience/knowledge of experimental biophysical techniques.

What we offer

A full time postdoc position for 1.5 years, starting from May/June 2018. Economical retribution accordingly to the standards from the University of Valencia.

How to Apply

For applications and inquiries contact victor.lorenz@uv.es (subject "OptoMembrane Postdoc"), preferably before the 15th of March 2018.

In your application include:

- Personal data and CV specifying education, publication record, and any other relevant information.
- Cover letter, including motivation.
- Contact address of two established researchers willing to write a recommendation letter.

Check our group page for an updated list of publications: <https://www.uv.es/membioophys/publications/>

Some reviews relevant to the project

-Repper & Tokmakoff. *Ann Rev Phys Chem* 2016 67:16.1-16.28

-Ulmschneider et al. *J Membr Biol* 2011 239:15-26

-Hamm, Helbing & Bredenbeck. *Annu Rev Phys Chem* 2008 59:291-317.



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National Programme for the Promotion of Talent and Its
Employability (former FPI)