



## PhD-position in biophysics to study the “Role of excited state vibrational modes of chlorophylls in photosynthesis” at Universidad Nacional Autónoma de México and Paris-Saclay University.

We are looking for a highly motivated PhD candidate to join our research at Paris-Saclay University and Universidad Nacional Autónoma de México. The project's goal is to characterize excitation energy transfer in photosynthetic light-harvesting complexes and determine the role of excited states' vibrational modes. Understanding this process should lead to the development of models to describe the ultrafast events of photosynthesis, which in turn should have an impact on the design of clean solar energy technologies.

### Key Responsibilities:

- Design, and perform experiments to evaluate the photophysical processes using femtosecond transient absorption, time-resolved fluorescence, 2DES, and FSRS.
- Disseminate the results in congresses and talks.
- Participate in the analysis and writing of scientific publications.

**Required Skills:** Expertise in photophysics, capable of working independently, experience working with femtosecond pulsed laser systems, proficiency in English and Spanish.

This position offers a unique opportunity to contribute to the field of photosynthesis, ultrafast excitation energy transfer, and sustainable energy. The candidate should be able to integrate in a multidisciplinary environment.

If you are passionate about light energy harvesting and biophysics, we encourage you to apply to push the boundaries of scientific discovery!

### Work Place:

- Institut de Biologie Intégrative de la Cellule, Gif-sur-Yvette, France. [I2BC link](#)
- Instituto de Química, Universidad Nacional Autónoma de México, Mexico. [UNAM link](#)

**Beginning of the contract:** 1 October 2024

**Duration of the contract:** 4 years (2 France + 2 Mexico)

### Salary according to the country laws:

- Two years in France 2135 € brut/month.
- Two years in Mexico 19000 mxn net/month.

**Supervisor:** Manuel LLANSOLA-PORTOLES

**e-mail:** manuel.llansola@cnr.fr

**Co-supervisor:** Daniel FINKELSTEIN SHAPIRO

**e-mail:** daniel.finkelstein@iquimica.unam.mx

**Application link:** <http://bit.ly/phdlhc>