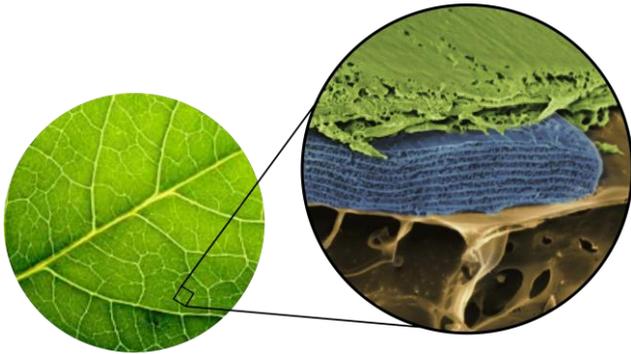




# Research Associateship (Bolsheiro de Investigaciòn) on Photonic structures and Photosynthesis in the Natural and Artificial Photonic Structures Group at INL (Portugal)

The *Natural and Artificial Photonic Structures and Devices Group* at the International Iberian Nanotechnology Laboratory is offering a **Research Fellowship** position with a duration of **three years** to investigate photonic structures and photosynthesis.



This research project aims to **unveil the role that photonic structures play in photosynthesis**. We will study natural photonic structures in plants, eventually **informing the design of artificial mimics**.

## What you will do in the project

You will get a training in advance optics, in particular on the characterization of nanophotonic structures. You will also have the opportunity to

use state of the art morphological characterization electron and optical microscope facilities at INL such as Environmental Electron Scanning Microscope (ESEM). Mimicks of the natural nanostructures could be fabricated using the state of the art nanofabrication facilities at INL including the 700 m<sup>2</sup> cleanroom.

## Who can apply?

**To apply for this position you should have a Masters Degree or equivalent** in Physics, Biophysics, Material Science, Optics, Photonics or Optical Engineering. Experience on optical or photonic components simulations will be an advantage. Candidates with an interest on pursuing a PhD on this topic will be highly rated.

## How to Apply?

Applications should be submitted **before 25<sup>th</sup> May 2018 on:**

[http://jobs.jobvite.com/careers/inl/job/oXuk7fwC?\\_jvst=Career%20Site](http://jobs.jobvite.com/careers/inl/job/oXuk7fwC?_jvst=Career%20Site)

You should upload:

- Cover Letter
- Your CV
- A Transcription of your academic degree

**For any query or clarification contact Martin Lopez Garcia: [martin.lopez@inl.int](mailto:martin.lopez@inl.int)**

For information about the Group visit:

<http://inl.int/nanophotonics/nanophotonics/natural-and-artificial-photonic-structures-and-devices/>

