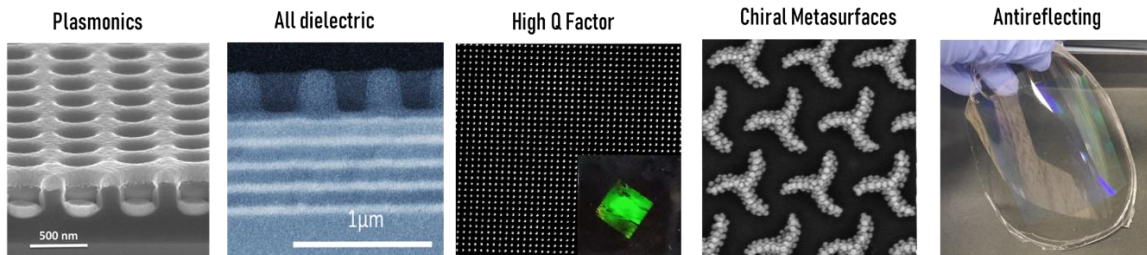


Postdoctoral Position OFFER



TOPIC: Photonic architectures fabricated by soft nanoimprinting lithography for light manipulation

WHERE: Institute of Materials Science of Barcelona ICMAB-CSIC (SPAIN)

DURATION: 2 years

FUNDING: The candidate will join be funded by the HORIZON-EIC-2021-PATHFINDEROPEN project DYNAMO (*Dynamic Spatio-Temporal Modulation of Light by Phononic Architectures*).

OUR GROUP (<https://nanophotonics.icmab.es>) We focus on the exploration of nanophotonic properties in light matter interaction with a twist: our photonic nanostructures are fabricated via soft nanoimprinting lithography, so they can be easily produced and seamlessly implemented in many applications and devices.

Main tasks of the candidate

The main tasks that will be carried out within the project include:

- Fabrication and optimization of different nanostructures exhibiting photonic and phononic properties (*cleanroom experience valued*)
- Design and building optical set ups for the optical characterization of the nanostructures. Fundamental study/characterization of materials and devices using, e.g. advanced spectroscopy. (*optical spcetroscopy experience valued*)
- Experience modelling optical properties of nanostructures via FDTD (*Comsol, Lumerical, etc*)



Requirements

We look for an enthusiastic researcher familiarized with the fields of photonics/plasmonics and:

- PhD in Materials Science, Nanoscience, Physics or similar subjects.
- A good level of written and spoken English.
- Optical setups know-how and optical spectroscopy background.
- Nanofabrication experience, knowledge of vacuum and cleanroom work environments.

Details of the position

Contract (full time) duration for 2 years, within the EIC Pathfinder project DYNAMO

Tentative Starting date: January-February 2024

Further information (contact person): Dr. Agustín Mihi, agustin.mihi@csic.es

<https://nanophotonics.icmab.es>

How to apply

Interested candidates should send by email to Dr. Agustín Mihi (agustin.mihi@csic.es) the following documents:

- motivation letter (where you introduce yourself, previous experience in relation to the post and future goals)
- detailed CV, including the academic record, and a list of references with contact details

HIRING PROCESS will take place via the CSIC employment platform. This is a lengthy process but we will help you with it.

Closing date for application: The recruitment process will be closed on December 30th or when a suitable candidate is found. However, in the interest of gender equality, this may be extended until the ratio between female and male applicants is reasonable.

About ICMAB :The Institute of Materials Science of Barcelona (ICMAB-CSIC) is a multidisciplinary research center focused on cutting-edge research in functional advanced materials. The ICMAB is integrated within the Barcelona Nanocluster in Bellaterra (BNC-b), a research network that includes the UAB, the CSIC (ICMAB, IMB-CNM and ICN2) and IRTA, part of the UAB Research Park of the Universitat Autònoma de Barcelona (PRUAB) and the ALBA Synchrotron.

<https://icmab.es/>