

Research Engineer Position (Published 01/02/2022)

Researcher in Plasmonic Supercrystals

Plasmonic supercrystals are large area assemblies of metal nanoparticles obtained from colloidal dispersions ordered in large periodic arrays. The arrangement in a larger superstructure allows us to engineer the optical response of the film with great potential for sensing, lighting and photovoltaics. This technique is fast, inexpensive and fully compatible with high-throughput fabrication.

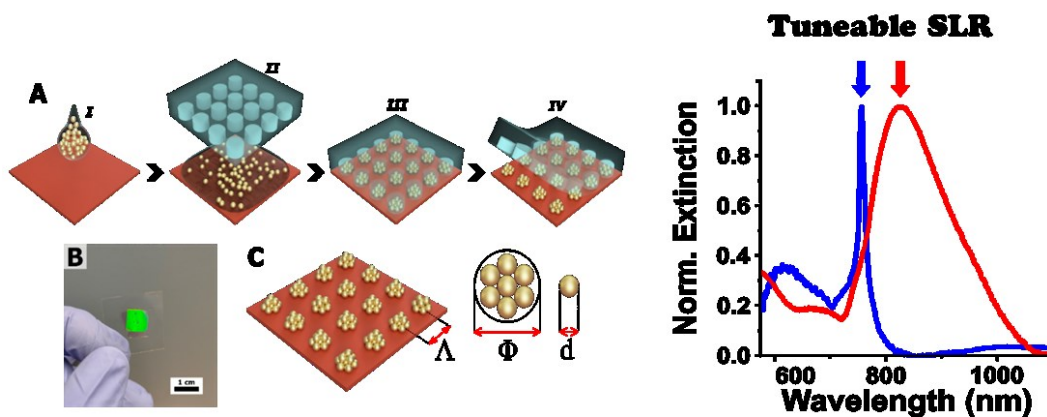


Figure 1. Fabrication method and SEM of the structures and surface lattice resonances (SLR) that can be engineered with the particle type. (**More info:** *Acc. Mater. Res.* 2021, 2, 9, 816–827, *Advanced optical materials*, 2021, Vol.9(20), p.2100761)

We look for a motivated and highly skilled researcher with experienced in:

- Synthesis and characterization of metal colloids.
- Plasmonic basic knowledge and some optical characterization (*SERS and Circular dichroism*).

Where? At the Institute of Materials Science of Barcelona (Spain). We are a national lab part of the Spanish National Council for Scientific Research CSIC.

start date: March 2022 (contract duration 18 months)

Apply :

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