

Job Description

FunNanoSurf is a multidisciplinary group interested in the integration of molecules as active elements in nano-/micro-devices of different nature with the goal of developing responsive molecular-based platforms useful for electronic and/or sensor purposes.

We are looking to recruit a postdoctoral fellow to create highly-conjugated molecular-based materials to accommodate them in nano-devices within the European Consolidator Grant (Tmol4Trans). The postdoctoral fellow must have an extensive knowledge on characterization in solution, in the solid state and on surfaces.

The project will require two phases, a first one related to the synthesis of the systems and a second one toward the deposition of the materials on different substrates. The successful candidate should have experience in organic chemistry, supramolecular chemistry and surface chemistry. Expertise in soft-deposition techniques and analysis of SAMs will be highly regarded.

The postdoctoral fellow will join a group that has already expertise in the matter and actively collaborates with other international groups and platforms regarding the characterization and final applications of the devices.

This position offers a unique opportunity to conduct innovative, interdisciplinary research and the postdoctoral fellow is expected to publish her/his results in leading journals. The postdoctoral term is up to 2 years.

Requirements

For this, we are looking for an enthusiastic postdoctoral researcher with a strong background in organic chemistry, supramolecular chemistry and surface chemistry, with experience in soft-deposition techniques.

- PhD in organic chemistry
- Knowledge of supramolecular chemistry and surface functionalization
- Expertise in soft-deposition techniques
- Excellent analytical, communication and organizational skills
- Strong publication record
- Candidates must be able to work independently as well as with interdisciplinary teams
- Fluent in English

Please submit your cover letter and CV, including the contact information (name, institution, phone number, and e-mail address) of 3 references.

The position will be open until a suitable candidate is found, but we encourage candidates to apply early; applications will be considered as they are received.

For further information, contact with: naliaga@icmab.es (Dr. Núria Aliaga Alcalde)