

## Job Title: Postdoctoral Researcher

**Research area or group:** Colloid Chemistry Group

### Description of Group/Project:

The Colloid Chemistry Group at CINBIO, in Vigo (Spain), is focused on the fabrication and characterization of plasmonic nanostructures for the design of novel functional systems and devices. The group is looking for a highly motivated Postdoctoral Researcher to participate in the development of a European project SERSing that aims at fast detection and unequivocal identification of chemical hazards at low concentrations in gas and liquid phase, in multiple environments. The research will be carried out under the supervision of Dr. Isabel Pastoriza Santos.

### Main Tasks and responsibilities:

- Design, simulation, fabrication and validation of high performance porous plasmonic platforms based on MOF/Silica/MIPs/COFs for direct/indirect SERS-based monitoring of toxic industrial compounds and chemical warfare agents.
- Participation in writing scientific reports and papers, attending project meetings and scientific conferences, and in outreach activities within the project.
- Supervision of students.

### Education, Experience, Knowledge and Competences required:

#### • Education

PhD Chemistry or Materials Science.

#### • Professional Experience

Research experience in synthesis of plasmonic nanoparticles and surface modification.

Research experience in metal-organic-frameworks (MOF), covalent-organic-frameworks (COF), mesoporous Silica

Research experience in surface-enhanced Raman scattering spectroscopy

#### • Competences

Strong commitment, excellent communication skills (English), ability to work with highly qualified professionals with international backgrounds, taking responsibilities, independence.

### Summary of conditions:

- Full time work (40h/week)
- Contract Length: 1 year.
- Salary will depend on qualifications and demonstrated experience.

**Estimated Incorporation date:** October 2020

**How to apply:**

All applications must be made via e-mail to Dr. Isabel Pastoriza-Santos [pastoriza@uvigo.es](mailto:pastoriza@uvigo.es) (**Subject line:** SERSing Job Offer) and include the following:

1. A cover letter stating why they are interested in this position.
2. A full CV including contact details.
3. 2 Reference letters or referee contacts.

Deadline for applications: July 31st 2020.

**Equal opportunities:**

UVigo/Colloid Chemistry group is an equal opportunity employer committed to diversity and inclusion of people with disabilities