

Job Title

Evaluation of new materials for electrochemical hydrogen sensors

Main tasks and responsibilities/Job description

The tasks of this job are:

- Deposition of hydrogen receptor layers based on polycarbazole derivatives through electrodeposition onto microelectrodes
- Characterization of these layers using electrochemical methods: impedance spectroscopy (IES) and voltammetry.

Requirements

Bachelor in Chemistry, Biochemical, Chemical engineering

Description of Group/Project

The candidate will join a highly dynamic group in the area of sensors and microelectronic technologies. This group is multidisciplinary and formed by engineers, chemists, physicists, biochemists, etc.

The project that will grant this contract is an ERANET EU project HydroSENS. This is a collaborative project with two groups from Poland and two from Sweden.

Summary of conditions

- The salary will be established by CSIC rules for a Graduated level
- The contract will start immediately (depending on the administrative issues) and will last one year with possible extension to three years.
- This work could be subjected to do a PhD thesis.

How to apply

All applications must be sent to Cecilia.jimenez@csic.es, with the subject **HydroSENS contract**.

Applications must include:

1. A full CV.
2. Academic record

Deadline for applications: 28/02/2023

This offer can be found on: <https://www.imb-cnm.csic.es/en/about-center/careers/open-positions>

More information on IMB-CNM: <https://www.imb-cnm.csic.es/en/>