

## PreDoctoral position on gas sensors for agriculture

### Description

We are looking for an outstanding Ph.D. candidate with background in micro/nano technologies and nanomaterials to be part of our research on sensors for monitoring Volatile Organic Compounds (VOCs) of relevance in agriculture. The activities will be connected with a project on smart, digitalized components and systems for data-based Agriculture and Forestry recently awarded on the HORIZON-KDT-JU call.

### Requirements/Background and skills

- Applicants must hold a master's degree or equivalent education in engineering, physics, chemistry, or a similarly relevant discipline.
- Applicants must have a solid background in semiconductors, analysis of films and structures, micro/nanofabrication, material synthesis processes, and analysis of data from analytical instruments.
- Previous experience in experimental work and/or data analysis via neuronal networks beyond basic university education is considered an advantage.
- Good abilities for critical thinking and writing.
- Ability to work in a structured and independent manner, and to collaborate with others.
- Good knowledge of both written and spoken English.

### Research Group

The selected PhD candidate will join the [gas sensors group](#), which focuses its research at the forefront of new gas detection principles and the integration of nanomaterials and microplatforms for more performant, affordable and miniaturized gas sensing systems.

### How to apply

Applications must be send by email to [stella.vallejos@imb-cnm.csic.es](mailto:stella.vallejos@imb-cnm.csic.es) with the subject: PreDoctoral Position at IMB-CNM.

Applications must include their CV, a motivation letter, and two reference contacts.

**Deadline for applications:** 30<sup>th</sup> of June 2023

**Expected start date:** 1<sup>st</sup> of September 2023