

## **Post-doctoral position in atomic vapor quantum sensors**

Wed, 2020-10-07 17:17 - [ICFO - The Institute of Photonic Sciences](#) [1] **At:** ICFO-The Institute of Photonic Sciences

**Deadline:** 15 January, 2021

### **Location**

ICFO-The Institute of Photonic Sciences Av. Carl Friedrich Gauss, 3  
Castelldefels (Barcelona) 08860 Spain

ICFO is offering a postdoctoral position to a well-qualified, highly motivated and dynamic young scientist who wishes to enhance his/her scientific career in a friendly and stimulating environment.

The successful candidate will join the **Atomic Quantum Optics group** led by **Prof. Morgan Mitchell**. The group is developing miniaturized atomic magnetometers in collaboration with leading European research centres and companies, for applications in biomagnetic sensing. Related activities in the research group include zero- and ultra-low-field nuclear magnetic resonance using atomic magnetometers, integrated atomic sensors, and quantum-enhanced sensing with atomic instruments.

We are looking for a motivated physicist or engineer to lead the ICFO activities on magnetometer development, and to collaborate with other research centres on physics package development and testing.

This contract will be funded by the European Regional Development Funds (ERDF) allocated to the Programa operatiu FEDER de Catalunya 2014-2020, with the support of the Secretaria d'Universitats i Recerca of the Departament d'Empresa i Coneixement of the Generalitat de Catalunya for emerging technology clusters to carry out valorization and transfer of research results. Reference of Clúster Emergent Clúster Quantum CAT: 001-P-001644. Codi operació: U16-011424

### **ELIGIBILITY AND CONDITIONS**

Candidates must hold an internationally-recognized Ph.D.-equivalent degree (or evidence of its completion in the near future) preferably in physics, engineering, or related fields. The ideal candidate will have experimental experience in development of atomic vapor sensors and laser spectroscopy techniques, and a talent for independent and collaborative work in an academic/industrial context.

ICFO is an equal opportunity employer. Candidates are selected exclusively on merit and potential on the basis of submitted application material. No restrictions related to disabilities, citizenship or gender apply to ICFO positions. ICFO abides by the principles of openness, efficiency, transparency, supportiveness, and international comparability as stated in the European Charter for Researchers and the European Code of Conduct for the Recruitment of Researchers.

The contract is offered for periods of one year, renewable for a total of up to 3 years.

### **APPLICATION PROCEDURE**

The formal application should be submitted online via <http://jobs.icfo.eu/?detail=543> [2]

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Suitable candidates are requested to submit:

- Presentation letter with a declaration of interest,
- Curriculum Vitae, including contact details,
- The contact e-mail of two potential referees.

Candidates may contact [jobs \[at\] icfo \[dot\] eu](mailto:jobs@icfo.eu) for informal enquiries regarding the application, as well as address scientific enquiries to [morgan \[dot\] mitchell \[at\] icfo \[dot\] eu](mailto:morgan.mitchell@icfo.eu).

Applications will be continuously evaluated. The call will remain open until 15 January, 2021.

For updated information about ICFO, please visit <https://www.icfo.eu/> [3]

- [Postdoc](#) [4]

**Source URL:** <http://qurope.eu/db/jobs/post-doctoral-position-atomic-vapor-quantum-sensors>

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