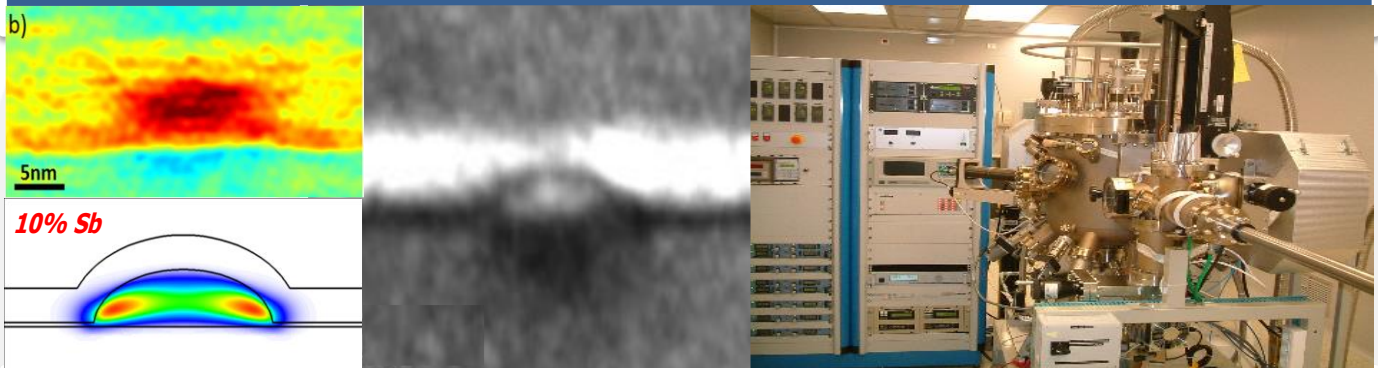


ISOM UPM offers a position for a highly motivated postdoc with good academic records and strongly determined to participate and contribute to a breakthrough project on the subject of quantum communications.

The candidate will work on the molecular beam epitaxy (MBE) of novel Sb-containing quantum dot architectures with emission at the telecom O and C-bands, as well as in the structural and optical characterization of the nanostructures.

The research will be carried out at the Institute for Optoelectronic Systems and Microtechnology ([www.isom.upm.es](http://www.isom.upm.es)) of Universidad Politécnica de Madrid, in collaboration with renowned partners inside and outside Spain.



## REQUIREMENTS:

- A PhD in the area of semiconductor nanostructures, preferentially in the epitaxial growth and characterization of low density quantum dots for single photon emission.
- A degree in: Physics, Electrical/Telecommunication/Material Engineering or in a similar area.
- Full professional competence in English.
- Ability to work both independently and collaboratively.

## JOB CONDITIONS:

- Two-year contract; extendable.
- Annual Gross Salary: 24,000 € - 29,000 €; commensurate with experience.
- Health and Social benefits according to Spanish law.
- Work in a highly competent and competitive international environment.

## APPLICATION:

- Send **a short CV** and **a short motivation letter** to Jose María Ulloa ([jmulloa@isom.upm.es](mailto:jmulloa@isom.upm.es))
- Attach a copy of your **PhD/university degree certificate** to the application.