

Company: LEITAT, [www.leitat.org](http://www.leitat.org)

Sector: Applied Photonics.

Profile: Researcher in photonics

General description:

We are looking a person with training in chemometrics applied to photonics, preferably with knowledge in development and characterization of materials, components and photonic devices. Knowledge and / or experience in: materials with photonic properties, photonic devices to carry out granted European projects (H2020), international projects and multidisciplinary private offers.

The work requires a level of experimental skills to work in different fields (food, health, energy, etc.) and an analytical mindset for design and innovation experiments.

Within the field of chemometrics, an experience is required in the characterization of the photonic properties of materials for their detection in different areas.

Knowledge in the integration of photonic devices in different products will be valued.

Knowledge in the simulation and modeling of photonic devices will be valued.

Required Training:

Master's / PhD in Photonics.

Master's / PhD in Materials Science

Master's / PhD in Chemistry

Master's / PhD in other sciences (physics / biochemistry), with experience in photonics.

Engineering (physics / telecommunications), with experience in photonics.

Experience in:

Characterization of photonic materials, chemometrics.

Knowledge in advanced characterization of photonic devices and their application in different productive fields.

Management of photonics laboratory equipment: lasers, various light sources, spectrometers, various sensors, etc.

Management of LabView and other software related to optical mode and methodology (eg Trace-Pro)

Modeling of photonic devices.

Writing reports and technical presentations.

Writing of scientific publications.

Knowledge in preparation of R & D proposals and / or private offers is valued.

Languages: English, Spanish

Workspace:

Multidisciplinary R & D projects. Creativity and flexibility are required in combination with analytical, organizational and communication skills. International, European and national projects.

Contact:

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