

<http://tecnopto.edu.umh.es/>@TecnoptoUMH 

PRE-DOC CONTRACT OFFER

The research group **TecnoptoUMH** at Universidad Miguel Hernández de Elche offers a **Pre-Doctoral Contract** within the **project CIAICO/2021/276 of Generalitat Valenciana “Structured Light: Fundamentals, Devices and Applications”**.

Tasks to perform: : The Project aims at exploring the fundamentals, the devices and the applications of **polarization structured light beams**. The devices include optoelectronic spatial light modulators. Optical systems and methods will be developed to generate and control structured light beams for applications in polarization imaging and quantum optical information processing. The activities will comprise theoretical analysis, computer simulations and experimental tasks at TecnoOpto laboratory, as well as with the other groups participating in the Project at Universitat de València and at Universitat Autònoma de Barcelona.

Contract Duration: 1 year, renewable up to a maximum of 3 years. **Gross monthly remuneration:** 1460 €

Expected Starting Date: November-December 2022

Application Requirements:

- Degree/Master in Physics, Engineering, Optics, Computing, or similar.
- Background in optics or optoelectronics. Programming skills.
- Interest for research.
- Teamwork and communication skills.
- Good command of English.

Interested? Then contact:

Prof. M^a del Mar Sánchez Lópezmar.sanchez@umh.es

and provide:

Curriculum Vitae and Academic Certificate.