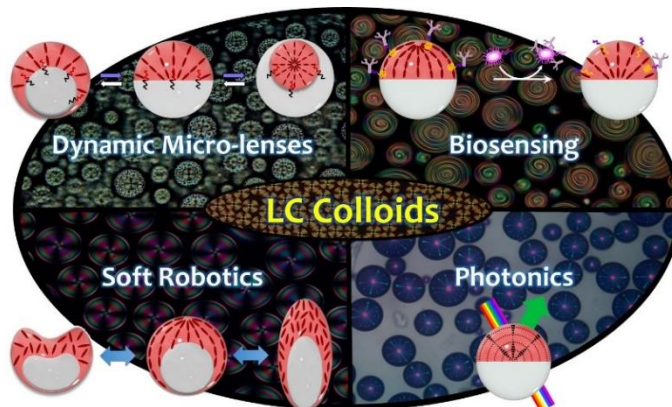


Open PhD Student Position

Are you a highly motivated researcher eager to make a difference in supramolecular, organic, and polymer chemistry? We invite applications for a PhD position within an exciting, multidisciplinary project focused on developing next-generation liquid crystal colloids for groundbreaking applications in optics and medical diagnostics. This opportunity provides a comprehensive training within the renowned **Liquid Crystals and Polymers Group** at the **Institute of Nanoscience and Materials of Aragón, INMA** (Zaragoza, Spain), recently recognized as **Severo Ochoa Center of Excellence**.

PhD Project Overview

- **Project title:** *Complex liquid crystal colloids: creating new functional materials for optics and sensing (PID2023-146811NA-I00).*
- **Contract Length:** 4 years, full-time.
- **International Research Experience:** Includes stays of at least 3 months at top international research institutions (to be determined and agreed with the PhD student).
- **Start Date:** Expected February-March 2025.



About the Project

Funded by MICIU/AEI and the European Union through the **“Ayudas para Contratos Predoctorales”** program, this project aims to design self-assembled materials using liquid crystal colloids, focusing on two main objectives:

- 1) **Advanced Sensors:** Developing cost-effective, highly sensitive sensors for continuous monitoring, especially in point-of-care diagnostics.
- 2) **Smart Optics:** Designing dynamic, switchable lenses and photonic devices that respond to light, electric, or magnetic fields.

As a PhD candidate, you will have the unique opportunity to conduct research from molecular synthesis to device development, working in a multidisciplinary environment that integrates **organic, supramolecular, and polymer chemistry with soft materials and biotechnology**.

Why Join Us?

- **Collaborative, High-Impact Research:** Collaborate with leading scientists in a vibrant research community and contribute to impactful projects in healthcare and advanced technology.
- **State-of-the-Art Facilities:** Access INMA's advanced labs and resources, specifically designed to support cutting-edge research and innovation.
- **Professional Development:** Benefit from comprehensive training within the Doctoral Program in Organic Chemistry at UNIZAR, with opportunities for publication and the chance to present at international conferences.
- **International Research Opportunities:** Engage with top institutions abroad, expanding your professional network and gaining diverse research perspectives.

Applicant Requirements:

- A MSc degree in Chemistry, Materials Science, or a related field.
- Excellent oral and written communication skills in English ($\geq B2$).

How to Apply:

Please send your application by **25th November 2024** to Alberto Concellón (aconcellon@unizar.es). Include:

- A cover letter (max. 1 page) detailing your motivation and interest in the position.
- A CV (max. 3 pages), including transcripts for your BSc and MSc degrees.
- Contact information (email) for one or two academic references.

More Information:

- For inquiries, contact Alberto Concellón: aconcellon@unizar.es or <https://www.linkedin.com/in/aconcellon>
- Liquid Crystals and Polymers Group: <https://liquidcrystals.unizar.es>

We look forward to welcoming a passionate PhD candidate to our team. Apply now and take your research career to the next level!