



Postdoctoral Researcher in Biology & Nanotechnology (Liver Diseases)

We are seeking a highly motivated Postdoctoral Researcher specializing in biology and nanotechnology to join our dynamic team. This position focuses on the development and testing of highly promising nanoparticles for early stages of hepatocellular carcinoma (HCC), with the ultimate goal of being translated to the clinic.

The position will be based at the Jiangnan University, (Wuhan, China) with research stages at Institute of Materials Science of Barcelona (ICMAB-CSIC) and Barcelona Clinic Hospital, both located at Barcelona, Spain. It will allow working with leading research teams in China and Spain.

This is an opportunity to conduct cutting-edge **nanomedicine research**, to carry out international collaboration with **top research institutions** in a dynamic and interdisciplinary research environment with competitive salary and career development opportunities.

Main tasks:

1. Nanoparticle Development – Synthesize, functionalize, and characterize nanoparticles for HCC therapy.
2. Biological & Preclinical Testing – Conduct in vitro and in vivo studies to assess efficacy, biocompatibility, and pharmacokinetics.
3. International Collaboration – Work with leading teams at ICMAB-CSIC and Barcelona Clinic Hospital for clinical translation.
4. Data Analysis & Scientific Output – Analyse results, publish in high-impact journals, and present at conferences.
5. Funding & Mentorship – Contribute to grant writing, project management, and student supervision.

Requirements including language skills:

- PhD in biomedical sciences, pharmacy, biology, nanotechnology, or related fields.
- Strong background in liver diseases research, nanomedicine, and in vitro/in vivo models.
- Experience in nanoparticle-based drug delivery.
- Excellent command of English is essential.

Personal skills & others:

- Ability to travel internationally for research collaborations.

Conditions:

Length: 2 years (extendable for 1 additional year)

Salary: 360,000 – 500,000 RMB/year (approximately 46,000 – 65,000 EUR/year), depending on the candidate's qualification and professional experience.

How to apply:

By sending your CV and cover letter to [mzeng@icmab.es] before 15th April, 2025.



About Jiangnan University

Jiangnan University, located in Wuhan, China, is a comprehensive provincial university formed in 2001 through the merger of four institutions. It offers 74 undergraduate programs across 11 disciplines and has 19,821 undergraduates and 2,589 graduate students. The university has 1,405 faculty members, including senior scholars and PhD holders. With a campus of 2,036 acres and advanced research facilities, Jiangnan University excels in fields such as environmental science, materials science, and clinical medicine, with several programs ranked in the global top 1%. The university is known for its strong academic and research capabilities, including notable national and international talent.

About ICMAB

ICMAB – CSIC is a multidisciplinary global reference centre for the cutting-edge research of functional materials for electronics, energy and health which fosters knowledge transfer and it is characterized by its internationalization and its education, inclusion and diversity policies. ICMAB-CSIC is committed to know-how transfer to productive sectors as well as to participate in educational and outreach activities. Since 2016, ICMAB -CSIC has been awarded for three consecutive periods with the Severo Ochoa Centre of Excellence distinction.

ICMAB-CSIC, with over 250 members from 47 nationalities, is a more than three decades old research institute located at the Universitat Autònoma de Barcelona (UAB) campus, surrounded by other research and technological centres and with access to many state-of-the-art equipment and scientific facilities. Moreover, ICMAB-CSIC has its own scientific services equipped with the newest scientific instrumentation and with highly specialised technical staff available to the scientific community.

About Barcelona Clinic Hospital

Hospital Clínic de Barcelona, established in 1906, is a top-tier public university hospital affiliated with the University of Barcelona. Located in the heart of Barcelona, it offers specialized medical services in oncology, cardiology, neurology, and infectious diseases. With a focus on cutting-edge treatments and biomedical research through the August Pi i Sunyer Biomedical Research Institute (IDIBAPS), the hospital is a leader in medical innovation. Its central location ensures easy access via public transport, making it a key healthcare provider in the region.