



**PhD-FPI2022 position at the Tissue Remodelling, Fibrosis and Cancer Group (TRFCLab)
Institute of Biomedical Research of Barcelona (IIBB-CSIC)**

ABOUT THE RESEARCH GROUP

The Tissue Remodelling, Fibrosis and Cancer group has a transversal approach to science, with an enthusiastic and highly skilled team of researchers that enjoy doing science together and learning from each other every day. Our research team focuses on identifying new cellular mechanisms that control the complex interplay between the different cellular components of the tissue (parenchymal cells, immune cells or fibroblasts) and the extracellular matrix during tissue remodelling in order to slow-down or reverse fibrosis and cancer. If you would like to find more details about our research, you can check these selected publications from our group: *J Hepatol.* 2021 Nov;75(5):1192-1202; *Cells.* 2020 Apr; 9(4): 979; *Front Cell Dev Biol.* 2017 Dec 19;5:114; *Sci Rep.* 2016 Jun 7;6:27112; *Sci Rep.* 2016 Feb 2;6:20101; *J Biol Chem.* 2012 Jan 6;287(2):1178-88.; *Am J Pathol.* 2010 Sep;177(3):1214-24; *Hepatology*, 2009 Apr;49(4):1297-307.

ABOUT THE ROLE

This PhD position is funded through a Generation of Knowledge Project 2021 from the Science and Innovation Ministry. This PhD project aims to discover novel cellular and molecular events that control the progression from fatty liver disease to liver cancer to design and preclinically test new therapeutic applications. During this PhD, the candidate is expected to learn and master a wide variety of techniques including tissue culture of primary cells and cell lines, several preclinical murine models of pathology, analytical and molecular biology techniques (WB, IHP, RTPCR), confocal and intravital fluorescent microscopy and image and omic analysis techniques among others.

MINIMUM JOB REQUIREMENTS

- Master's degree in Biology, Biomedicine, Biochemistry or a related field. Candidates performing master's degree in the 22/23 academic year will also be considered.
- Demonstrated previous experience in wet lab.
- Fluency in written and spoken English
- Organized, hard-working person and proactive, self-motivated and enthusiastic.
- Excellent interpersonal and communication skills and ability to work with other team members.

DESIRED JOB REQUIREMENTS

- Accreditation for experimentation in rodents will be positively valued.
- Knowledge in bioinformatics and R programming will be an advantage.

OFFER DETAILS

- Salary according with the Generation of Knowledge Project 2021 call from the Science and Innovation Ministry.
- 4-year contract with estimated starting date June/July 2023.
- Constant learning and training opportunities.
- Career mentoring and professional development in biomedical sciences.
- To work within a nurturing, fun and welcoming group.
- To work in an excellent scientific environment at Campus Clinic with access to frontline technical resources and collaborations.

APPLICATION PROCESS

If you would like to apply submit the following information to anna.moles.fernandez@gmail.com with the subject **FPI2022 – [Your Name]**.

- Curriculum vitae and copy of your average degree qualifications.
- Motivation letter explaining why you are the ideal candidate for this position,
- Reference letter of at least one referee and contact details for 2-3 referees.

Deadline for applications: 15/10/2022

If no suitable candidate is found, the deadline will be extended.

SELECTION PROCESS

- Stage 1 (Pre-selection): Will be based on CV, motivation letter, and experience.
- Stage 2 (Interviews): Short-listed candidates will be interviewed.
- Stage 3 (FPI application): The selected candidate will be required to apply for the FPI2022 call, which is expected to open between October-November 2022.
- Stage 4 (PhD contract signature and starting): It is expected around June/July 2023.

Dates might vary slightly depending on the Science and Innovation Ministry “Ayudas para contratos predoctorales para la formación de doctores 2022” Call. Find out more details about the previous call in here:

<https://www.aei.gob.es/en/announcements/announcements-finder/ayudas-contratos-predoctorales-formacion-doctores-2021-2>

OUR INSTITUTE AND SCIENTIFIC ENVIRONMENT

The Institute of Biomedical Research of Barcelona from the Spanish Research Council (IIBB-CSIC) is located within the Campus Clinic Hub of Biomedical Research that includes IDIBAPS; Cellex, Hospital Clinic and ISGlobal. Our institute is fully equipped with state-of-the-art technology and facilities including Microscopy, FACS, Biobank, Cryopreservation, Bioinformatics, Genomics and Proteomics Units. The Campus Clinic Hub of Biomedical Research is a fantastic and nurturing scientific environment for a PhD student. The students will have the unique opportunity to attend to regular seminars and talks by leading internal and invited scientists.