**Ph.D. student position**

The “Translational Genomics and Targeted Therapies in Solid Tumours” lab from IDIBAPS is seeking a highly motivated pre-doctoral researcher for the “Urologic Cancer Group” who has interest in conducting a Ph.D. in biomedicine.

**Our group**

The “Urologic Cancer Group”, integrated into the “Translational genomics and targeted therapies in solid tumours” lab, is led by Dr. Begoña Mellado. Our group is focused on studying the molecular mechanisms of therapy resistance in urological cancers, gaining insights into the molecular biology of cancer cells and the interaction between these and the tumor microenvironment.

**Project Description**

The candidate will mainly work in the project “Reshaping the tumour microenvironment in clear cell renal cell carcinoma through secretome modulation to improve immunotherapy response” (IP: Dr. Oscar Reig) funded by the Instituto de Salud Carlos III. The candidate will use state-of-the-art technologies such as organoids or other explant culture methods, isolation of tumor-infiltrating lymphocytes, and omics technologies (e.g., RNA-seq and spatial transcriptomics) to decipher the interaction between cancer cells and tumor microenvironment. The final aim is to increase immunotherapy efficacy in renal carcinoma.

**Requirements**

- BSc in Biology or related disciplines with a mark over 8 (1 to 10 scale).
- MSc in Biology or related discipline.
- Good command of English.
- Self-motivated, independent, enthusiastic with science, and team worker.

Although not required, cell culture and organoids knowledge will be considered.

**Conditions**

The candidate is willing to apply to different pre-doctoral fellowships. However, an interim contract will cover the period between the hiring and the start of the 3-year Ph.D. contract.

**How to apply**

Applicants should submit a full CV, academic transcripts, a cover letter, and names and contact details of at least one researcher that has supervised the candidate’s work at the laboratory during the BSC or MSc to Oscar Reig (oreig@clinic.cat).