

Two PhD students to investigate the process of intestinal regeneration

Main duties: The candidates will be involved in a research team focused in the study of the intestinal regeneration as a response to radiation injury. The team aims to develop treatments for cancer survivors who suffer side effects of radiotherapy including acute and chronic radiation-induced enteritis. In order to achieve this goal we will use cutting-edge technologies including: 3-dimensional imaging, organoid cultures, scRNAseq and quantitative lineage tracing. Candidates will work in the study of the acute and chronic phases respectively in order to first boost the intestinal regeneration in the acute phase and secondly to reduce the process of fibrosis during the chronic phase of the disease. The successful candidate will join the group of Dr. Guiu, which belongs to the Program of Regenerative Medicine at IDIBELL.

Requirements:

Education: Bachelor and Master in Health Sciences: Medicine, Pharmacy, Biology, Biotechnology, Biomedicine, etc.

Experience: Background and interest in epithelial regeneration and/or haematopoiesis.

Languages: Good communication and English language skills

Technical skills: candidates with certificate for handling mouse models and/or experience with cell culture.

Soft skills: team player, capacity to work autonomously, project planning capacity, analytical and critical thinking, ethics and integrity and information seeking.

We will value:

Any expertise in bioinformatic data analysis is a plus.

Expertise in flow cytometry is a plus.

Expertise in sequencing approaches is a plus.

We offer:

Type of contract: 3 years

Workday: full-time (40 hours/week)

Working hours: it is flexible, to be determined with the employer

Professional Category: PhD student

Annual gross salary: According to IDIBELL salary bands

Job location: Regenerative Medicine Area, IDIBELL, Barcelona, Spain

Other: Stimulating and international environment, state of the art facilities and cutting edge research.

Documents required:

Cover Letter

Curriculum vitae

Deadline for sending CVs will be next September 21st, 2020

Interested candidates should apply via IDIBELL website:

<https://idibell.cat/en/job-offers/two-phd-students-to-investigate-the-process-of-intestinal-regeneration/>

Information about Guiu team:

<https://p-cmrc.cat/research/guiu-group/>

<https://idibell.cat/en/research/area-medicina-regenerativa-english/regenerative-medicine-program/cell-plasticity-and-regeneration/>