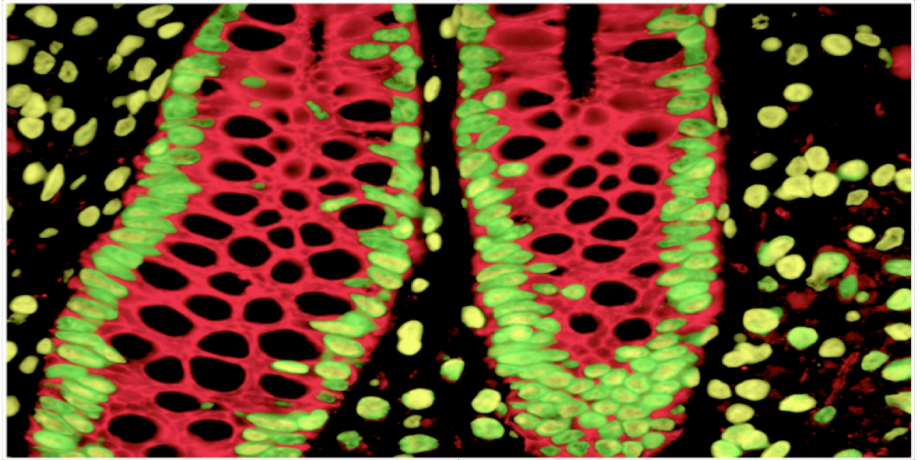


Gene Regulation  
in Cell Plasticity,  
Stem Cells,  
Cell Differentiation,  
& Cancer



## MSc + PhD: Gene Regulation of Cell Plasticity, Stem Cells, Cell Differentiation and Cancer

The Gene Regulation Lab, is an ICREA group based at the IDIBAPS Biomedical Research Institute, located in downtown Barcelona. We are currently looking for candidates to undertake a MSc project in the area of “**Gene Regulation in Stem Cells, Cell Plasticity and Cancer**”.

ZEB1 and ZEB2 play key roles in homeostasis and in different pathologies regulating stemness of normal and cancer stem cells, cellular plasticity and differentiation, tissue regeneration, and tumor initiation and progression. The successful candidate will work in one of the hottest areas in gene regulation, investigating the role of ZEB factors in a number of timely topics including tumor/micro-environment crosstalk, metabolic reprogramming, tissue regeneration and cancer stem cells.

The project will make use of a wide array of in vitro and in vivo approaches including unique transgenic mouse models and high throughput techniques (single cell RNAseq, ChIPseq, metabolomics, etc.).

Candidates that are interested in continuing toward a PhD after the MSc project are particularly welcome.

### REQUIREMENTS

#### Essential Requirements

- ★ BSc (Grado) degree in Biology or any biomedical-related discipline obtained after January 2018.
- ★ Average Mark/Grade in the BSc should be above 8.7/10.

#### Desirable Experience

Although NOT required, candidates will receive higher consideration if they meet the following criteria:

- ★ Previous laboratory experience
- ★ Good command of English

### ADDITIONAL INFORMATION & APPLICATIONS

For further information about the work in the group visit <https://bit.ly/34r2VXT> and <https://bit.ly/2rUOYEh> Applications should include: a) complete CV and b) the names and contact details (phone and email) of 2-3 researchers that have supervised the candidate’s work. For additional information and to submit your applications, please, send an email to: [idibaps.postigo@gmail.com](mailto:idibaps.postigo@gmail.com) indicating “**MSc 2021**” in the subject of the email.

### SELECTED PUBLICATIONS

(recent articles as corresponding author)

- ★ *Gut* 66:666. IF: 23.0
- ★ *Gut* 68:2129. IF: 23.0
- ★ *Nature Commun* 10:1364. IF: 14.9
- ★ *Nature Commun* 9:2424. IF: 14.9
- ★ *Nature Commun* 5:5660. IF: 14.9
- ★ *Nature Commun* 4:2650. IF: 14.9
- ★ *Sci Advances* 7:abd7455 IF: 14.1
- ★ *Nucleic Acids Res* 46:10697. IF: 16.9
- ★ *Cell Death Differ* 21:247. IF:15.8
- ★ *Clin Cancer Res* 19:1071. IF: 12.7
- ★ *EMBO J* 36:3336. IF: 11.6

