

# JOB OPPORTUNITY

## **IDIBELL offers a PhD position in the Cancer Metabolism Group.**

The group, directed by Antonio Gentilella, at the Laboratory of Metabolism and Cancer (IDIBELL – Barcelona), offers a PhD position for highly motivated candidates willing to carry out a PhD in biomedicine.

The group focuses on understanding the mechanisms by which oncogenic transformation reorganizes the cellular translational landscape, particularly (1) how metabolic changes alter the repertoire of translated mRNAs and (2) how cancer cells can exploit those translational networks to survive and overcome standard of care chemotherapeutic regimens in colorectal cancer, and potentially other tumor types. In this regard we have recently identified a specialized subset of 40S ribosomes that bind and preserve a discrete population of anabolic mRNAs which play a central role in cell growth and proliferation (Gentilella et al., Molecular CELL 17).

IDIBELL is a research center that integrates the biomedical research of the Bellvitge University Hospital (HUB), the Catalan Institute of Oncology (ICO), and the University of Barcelona in the Bellvitge Campus (UB) and the Viladecans Hospital (HV), located in south Barcelona.

The research focuses of IDIBELL are cancer, neuroscience and translational medicine; research, innovation and society are the pivots on which researchers work every day in order to improve the quality of life of citizens.

IDIBELL is located in L'Hospitalet de Llobregat, south of Barcelona. It is a member of the Campus of International Excellence of the University of Barcelona HUBc and part of the CERCA institution of the Generalitat of Catalonia. In 2009, it became one of the first five Spanish research centers accredited as a health research institute by the Carlos III Institute of Health. More recently, the European Commission has recognized IDIBELL with the HRS4R logo (Excellence in Human Resources in Research), which identifies IDIBELL as a provider and supporter of a stimulating research work environment.

## **Main Duties**

By a set of in vitro and in vivo approaches we are now understanding how cancer cells can make use of this mechanism to overcome the detrimental effect of chemotherapy, paving the way for redesigning the therapeutic approach. The candidate will develop many biochemical and genetic aspects involved with translational reprogramming. In parallel, he/she will be involved in the generation of a new mouse model where the translational reprogramming is compromised.

## **Requirements**

- Education: Master's Degree in Biomedicine or equivalent, with excellent academic records
- Previous Knowledge: The project associated to this scholarship requires solid grounds (theoretical and practical) in Molecular and Cellular Biology.



HR EXCELLENCE IN RESEARCH

<http://www.idibell.cat/modul/news/en/766/eu-certifies-idibell-as-a-center-of-excellence-in-human-resources-for-researchers-hrs4r>

- Experience: Previous research experiences in those fields will be highly valued as well as a strong scientific curiosity.
- Language: Good level of spoken and written English.
- Soft skills: Good communication skills

### We offer

- Type of contract: Temporary position (4 years)
- Professional Category: PhD Student
- Workday: full-time
- Job location: IDIBELL (L'Hospitalet de Llobregat – Barcelona)
- Salary band: According to IDIBELL wage tables and depending on the candidate profile

### Documents required

- Cover Letter
- Curriculum Vitae
- At least one reference contact

To learn more:

Gentilella A.\* et al. "Autogenous control of 5'TOP mRNA stability by 40S ribosomes" *Molecular Cell*. Jul 6;67(1):55-70.e4. doi: 10.1016/j.molcel.2017.06.005. \* corresponding

Gentilella A.\* et al. "A liaison between mTOR signaling, ribosome biogenesis and cancer." *Biochim Biophys Acta*. 2015 Feb 28. doi: 10.1016/j.bbagr.2015.02.005.

Gentilella A, Thomas G "Cancer biology: The director's cut." *Nature*. 2012 May 2;485(7396):50-1. doi: 10.1038/485050a.

### Observations

Candidates must present documents through the website IDIBELL: <http://www.idibell.cat/modul/ofertes-feina/cat>

Contact and Information Human Resources. Bellvitge Biomedical Research Institute. [rrhh@idibell.cat](mailto:rrhh@idibell.cat) . TFS: 93 260 7290; 93 260 7834.

**Deadline for sending applications a will be next November 9<sup>th</sup>, 2018**

***\*All job profiles must be reviewed and accepted by the HR Department in order to guarantee legal and labor compliance, and the principles of the European charter for Researchers and the Code of Conduct for the Recruitment Researchers.***

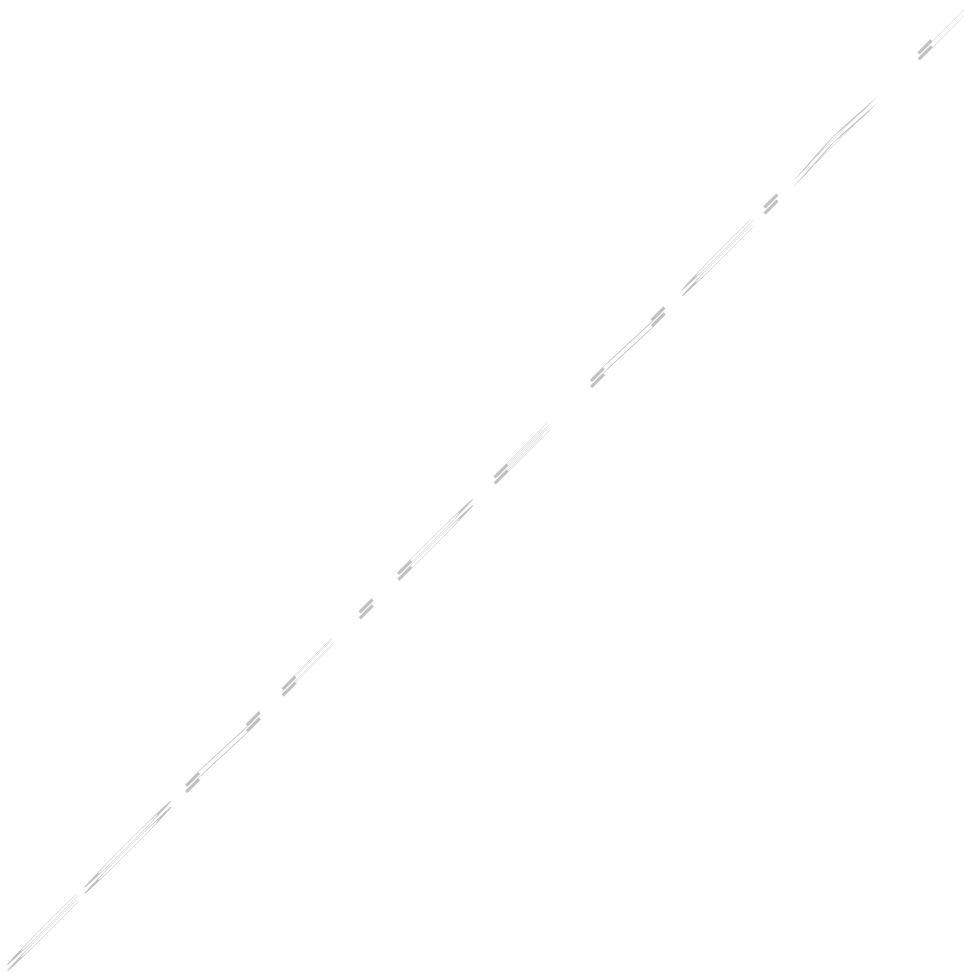


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**IDIBELL obtained the seal of Excellence in HR in 2015**

*This seal represents IDIBELL's commitment to the implementation of HR policies, which oversee the attracting and development of talent in an open, transparent manner, based on personal merit, aligned with the principles of the European charter for Researchers and the Code of Conduct for the Recruitment Researchers.*



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