

The IDIBELL is looking for a PhD candidate to join the Gene regulation of cell identity group led by Dr. Plass.

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, translational medicine and regenerative 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:

The Program for advancing the Clinical Translation of Regenerative Medicine of Catalonia, [P-CMR\[IC\]](#), is looking for a PhD candidate to join the Gene regulation of cell identity group led by Dr. Plass.

Research at the [Plass Group](#) aims at understanding how RNA binding proteins (RBPs) regulate gene expression and how perturbations in these RBPs contribute to the development of neurodegenerative diseases. For this purpose, we use a combination of molecular biology approaches with high-throughput sequencing technologies and computational analyses. Using iPSC based modelling and single-cell transcriptomics, we study how RBPs contribute to cell differentiation and how the transcriptomic networks regulated by these RBPs are altered in the development of neurodegenerative disease.

We are looking for a highly skilled and motivated PhD student to join our team. The successful candidate will develop new computational tools and analyses to characterize the function of RBPs in single-cell transcriptomics data and their impact on cell differentiation.

Requirements:

- Background in Biology, Bioinformatics, Genomics, Computer Science, Physics, or a related field
- Strong programming skills (e.g. R, Python, Bash)
- Good technical skills including bioinformatics, linux, data analysis and statistics
- Desire to engage in multidisciplinary projects and develop computational analyses to answer biological questions
- Fluency in spoken and written English



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>

We will value:

Prior experience with single-cell transcriptomics, high-throughput sequencing and method development are desirable.

We offer:

We offer a four-year PhD contract after a 6-month trial period. The successful applicant will join the Gene regulation of cell identity group led by Dr. Plass. The Plass Group offers a highly dynamic, multi-national, and intellectually stimulating working environment and state-of-the-art research facilities and support for continuous learning. Together with Dr. Plass, the successful candidate will define its own PhD project in one of the topics relevant for the research in the lab. The candidate will have the possibility of publishing his/her work in high-impact journals and present it in national and international conferences.

Documents required:

- Cover Letter
- Curriculum vitae
- Two reference letters

Observations:

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

Contact and Information Human Resources. Bellvitge Biomedical Research Institute.
rrhh@idibell.cat. TFS: 93 260 7290; 93 260 7834. Fax: 93 260 77 82.

****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,***

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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