

Seeking for PreDoc candidate-Infections and Cancer Laboratory (Catalan Institute of Oncology-IDIBELL)

The **Infections and Cancer Laboratory (INCA-LAB)** is looking for a pre-doctoral candidate to apply for an Individual Fellowship associated with **LaCaixa** (<https://www.lacaixafellowships.org>) or **PFIS 2018** actions (<http://www.isciii.es/ISCIII/es/contenidos/fd-investigacion/fd-financiacion/fd-convocatorias-ayudas-accion-estrategica-salud/convocatoria-aes.shtml>).

The position is to conduct a **pre-doctoral research program** at the **Catalan Institute of Oncology(ICO, Barcelona, Spain)**, a public comprehensive cancer center, affiliated to the Bellvitge Biomedical Research Institute (**IDIBELL**). Its approach to the disease is comprehensive, combining, all in one organization, prevention, care, specialized training and research. ICO has become a center of reference in Catalonia, both in healthcare quality and in research.

INCA-LAB is part of the **Infections and Cancer Unit** which in turn is integrated in the Cancer Epidemiology Research Program from the Catalan Institute of Oncology (ICO). INCA-LAB is a reference for the screening of **Human Papillomavirus (HPV)** in Catalonia and has extensive experience in research projects. One of the goals of INCA-LAB is to identify the most relevant genetic alterations and molecular pathways involved in the HPV-associated cancers, and develop new tools that could improve prevention, early diagnosis, treatment and patient quality of life.

The candidate will join to a multidisciplinary team in a **project focused on analyzing the role of HPV and human genetic variability in HPV-associated cancers. Next generation sequencing** data will be used to analyze different levels of HPV genome variability and human mutational patterns. The final aim of this project funded by FIS 2018-ISCII is **to identify new molecular markers** able to distinguish those infections with a high risk of progression and distinguish from low-risk infections that will be cleared or resolved spontaneously.

Requirements

- Biological sciences degree (biology, biotechnology, biochemistry, pharmacy or medicine).
- Knowledge in bioinformatics/biostatistics, next generation sequencing, RNA-seq will be valued.
- Other merits (publications, congresses participation,..)
- Good level of English

Interested candidates should submit a CV (including average mark) and a brief letter of interests to:

Miquel Angel Pavón Ribas

Infections and Cancer Laboratory (INCA-LAB) /Cancer Epidemiology Research Programme

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