

JOB OPENING AT IRB BARCELONA

POSTDOCTORAL FELLOW (ref. PD/21/08)

Created in 2005 by the Generalitat de Catalunya (Government of Catalonia) and the University of Barcelona, IRB Barcelona is a Severo Ochoa Centre of Excellence—a seal that was awarded in 2011.

The institute is devoted to conducting research of excellence in biomedicine and to transferring results to clinical practice, thus improving people's quality of life, while simultaneously promoting the training of outstanding researchers, technology transfer, and public communication of science. Its 25 laboratories and seven core facilities address basic questions in biology and are orientated to diseases such as cancer, metastasis, Alzheimer's, diabetes, and rare conditions.

IRB Barcelona is an international centre that hosts 400 members and 30 nationalities. It is located in the Barcelona Science Park. IRB Barcelona forms part of the Barcelona Institute of Science and Technology (BIST) and the "Xarxa de Centres de Recerca de Catalunya" (CERCA).

IRB Barcelona is seeking a **Postdoctoral Fellow** to work on the project entitled "*Hypermuted tumors: insight into genome maintenance and cancer vulnerabilities provided by an extreme burden of somatic mutations*", funded by the European Research Council (ERC).

We are looking for an experienced experimental biologist, who is enthusiastic about cutting edge, high-impact science, and who is communicative, organized and diligent. The project may, optionally, involve a computational component. We are interested in exploring mechanisms of genomic instability in cancer cells via genome/transcriptome/epigenome editing using CRISPR/Cas9, AsCas12a or RfxCas13d systems.

A PhD in the life sciences is a prerequisite, preferably in a field related either with cancer, or with epigenomics, or with DNA damage/repair/genomic instability more generally; please see "EXPERIENCE, KNOWLEDGE, SKILLS" section below.

The work will be performed in the Genome Data Science lab (<https://agendas.irbbarcelona.org/>), led by the ICREA Professor and EMBO Young Investigator Fran Supek, in collaboration with the diverse, international team in the lab, which consists of genomics biologists, wet-lab biologists and mathematicians at the PhD and postdoc level.

Start date is flexible; ideally June 2021.

Informal inquiries can be directed to the PI at fran.supek@irbbarcelona.org.

Early applications are encouraged.

DUTIES

- Perform excellent research on own project according to the high standards of the Supek lab and the IRB Barcelona
- Co-supervise student(s) or junior postdocs in the wet-lab in their daily work on their projects
- Collaborate with other members of the host lab to facilitate progress on their project(s) by performing experiments to support their work
- Perform excellent, high-impact research on own project according to the high standards of the Supek lab and the IRB Barcelona
- Present at Genome Data Science lab meetings and journal clubs, and at department seminars

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have - Required

- **Experience:** A PhD in the life sciences. At least one first-author publication.
- **Knowledge:** good level of spoken English.
- **Skills:** mammalian cell culture. Cloning and genetic modification of mammalian cells.

Desirable

- **Experience:** Some postdoctoral experience (1-4 years). Work on cancer-related, or DNA damage/repair/mutagenesis related projects.
- **Knowledge:** high level of spoken and written English. Good level of Spanish.
- **Skills:** flow cytometry, protein biochemistry, CRISPR/Cas9 or related genetic modification, qPCR, Chip-SEQ or related techniques.

WORKING CONDITIONS & ENTITLEMENTS

- **Working conditions:** Employed in compliance with Spanish legislation and regulations under a full-time contract. Employees receive the benefits of the Spanish Social Security system covering sickness, maternity/paternity leaves and injuries at work.
- **Training and Career:** Training is a way of life at IRB Barcelona. Postdoctoral researchers joining IRB Barcelona gain access to the Institute's advanced research training and career development opportunities, all within in a competitive international environment. Courses and workshops on themes of particular interest to postdocs are offered regularly by the Institute.
- **International environment:** Nearly 100 postdoctoral researchers (almost half non-Spanish nationals) are currently working toward their research at IRB Barcelona.

HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include a full C.V, contact information of two referees, and a Motivation Letter and apply on <https://recruitment.irbbarcelona.org/> Reference: **PD/21/08**

- **Deadline for applications:** **15/05/2021**
If no suitable candidate is found, the deadline will be extended.
- **Number of positions available:** **1**
- **Selection process:**
 - **Pre-selection:** Will be based on CV, motivation letter, experience.
 - **Interviews:** Short-listed candidates will be interviewed.

- **Job offer:** Will be sent to the successful candidate after the interview.
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For more information please visit our website at: www.irbbarcelona.org

Note: The strengths and weaknesses of the applications will be provided upon request.

If you, as an applicant, have any suggestion or wish to make a complaint regarding the selection process, please contact us at the following email address: irbrecruitment.suggestions@irbbarcelona.org. You will receive a response within a month.