

# Tenure-Track Group Leader Position in Computational Biology / Scientific Lead of Computing Core Facility

**Universitat Pompeu Fabra**

**Barcelona, Spain**

The Department of Experimental and Health Sciences (DCEXS) of the Universitat Pompeu Fabra (UPF) aims to fill a **Tenure-Track Group Leader** position in Computational Biology, who will also serve as **Scientific Lead of our Computing Core Facility** (SIT). We encourage applications from outstanding scientists working in any area of computational biology, including (but not limited to) biological image analysis, bulk and single-cell sequencing data analysis, proteomics, multi-omics data integration, mathematical modeling of biological processes, biostatistics and computational systems biology.

Successful candidates will be highly accomplished scientists with a PhD in a relevant computational field and a strong capacity for interdisciplinary research. Candidates at all stages of their research careers will be considered. They will be expected to attract research funds, supervise doctoral theses, and actively engage in teaching computational biology courses in our undergraduate and graduate programmes. Candidates should be clearly motivated to collaborate with the experimental research groups of the Department in scientific projects of common interest.

## **The Department of Experimental and Health Sciences at UPF**

The DCEXS (<https://www.upf.edu/web/biomed>) is an internationally renowned biomedical research center in Barcelona, Spain. The DCEXS is located at the Barcelona Biomedical Research Park (PRBB, <https://www.prbb.org/>) with six other research institutes, including the Center for Genomic Regulation (CRG), the Hospital del Mar Medical Research Institute (IMIM) and the Barcelona Institute for Global Health (ISGlobal). With a staff of more than 300 scientists, the DCEXS combines the creation and transfer of knowledge through the seamless integration of research and teaching, well in line with the vision and values of the Universitat Pompeu Fabra (<https://www.upf.edu/>), which holds top-level positions in national and international rankings for teaching quality and scientific productivity (first Spanish university and 60th European university according to the Times Higher Education Ranking 2020). The DCEXS trajectory of research excellence and innovation in education has been recognized with the "María de Maeztu" Unit of Excellence award by the Spanish Ministry of Economy and Competitiveness.

## Research at the DCEXS

Understanding complex biological systems, particularly human biology and disease, requires interdisciplinary approaches integrating experimental biology, computation and engineering. The scientific focus of the DCEXS for the next five years is to strengthen and expand our research horizons under the broad overall scope of molecular biomedicine covered by our Research Programmes. The DCEXS is organized in seven Research Programmes (<https://www.upf.edu/web/biomed/programmes>), and its research groups are supported by cutting-edge core facilities in flow cytometry, proteomics, genomics, microscopy, and scientific computing (<https://www.upf.edu/web/sct>).

The DCEXS promotes diversity in an inclusive environment that welcomes applicants regardless of age, disability, gender, nationality, race, religion or sexual orientation. Women are especially encouraged to apply.

Further information regarding the DCEXS and the group leader recruitment & selection process can be found at <https://www.upf.edu/web/biomed>.

## The Offer

- Tenure track position that can be consolidated to a permanent faculty position depending on external peer-review.
- Startup package covering the salary of a PhD student or IT technician, computing equipment costs, and access to our computing facilities.
- Office space for 5-7 people.
- Envisaged start date: from September 2021.

## Application Procedure

Applications must be submitted through the Interfolio website

<https://apply.interfolio.com/83675>. They should include:

1. Motivation letter, describing explicitly how your research goals fit with those of DCEXS.
2. Curriculum vitae, including the information listed in the guidelines below.
3. List of 5 selected publications, with a brief description of each of them.
4. Brief proposal of your future research plans at DCEXS, including specific goals for the Scientific IT Core Facility (max. 2 pages).
5. Contact details of 3 references.

**Application deadline:** applications should be submitted **by March 31, 2021**.

**Interviews:** Short-listed candidates will be invited to an interview to be held in June 2021, either remotely or in person at the DCEXS in Barcelona, depending on the public-health situation.

**Contact:** Dr. Regina Lopez ([avaluacio.cexs@upf.edu](mailto:avaluacio.cexs@upf.edu), for enquiries only. Applications sent by email will not be accepted).

## CV guidelines

Please make sure that your CV includes the following information (although you do not need to follow this exact format, and feel free to include further information if relevant).

*Maximum length: 15 pages.*

1. Brief summary of academic and scientific background
2. Education/training
3. Professional academic positions
4. Publications  
*Specify if publications are original research articles, reviews, book chapters, or books. Provide evidence of impact (e.g. number of citations according to any citation indexing service). Please do not include conference abstracts.*
5. Computational/IT experience  
*Highlight your track record in the use and/or management of high-performance computing systems, from the point of view of both the scientific and technological outcomes obtained*
6. Teaching experience  
*Include the course type (i.e. conventional lectures, practical courses, online courses, MOOC, graduate or undergraduate level), name of the course, approximate number of students attending, hours per course, and whether the candidate was course coordinator or participant teacher.*
7. Grants and funding  
*Include only grants in which you are/were the Principal Investigator. Please specify title, year, funding agency and amount granted (in US\$ or €).*
8. Invited conferences and talks  
*Include only invited talks given personally by you*
9. Technology transfer
10. Other merits (courses, honors and awards, project management experience, etc.)