

BIOINFORMATICIAN POSITION
IN THE B CELL BIOLOGY GROUP
Ref. 2314 - CERUTTI

OFFERS

The B cell biology group, led by Andrea Cerutti, MD, PhD, at IMIM, PRBB (<https://www.icrea.cat/en/Web/ScientificStaff/acerutti/selected-publications#researcher-nav>; https://www.imim.es/programesrecerca/rct/en_bcellbiology.html), is looking for a highly motivated bioinformatician with a keen interest in immunology and host-microbiota interaction. The candidate is expected to:

1. Design large scale experiments in collaboration with other members of the group;
2. Perform computational data analysis and interpret large scale datasets;
3. Develop computation strategies to address specific biological questions.

We offer a stimulating and welcoming working environment in a competitive research group dedicated to the analysis of the cellular and signaling networks underlying B cell responses, including mucosal antibody production. Our research is relevant to infections, inflammation, autoimmunity, immunodeficiency, and vaccine development.

The laboratory is located at IMIM (Institut Hospital del Mar d'Investigacions Mèdiques / Hospital del Mar Research Institute), which is an integral part of PRBB. This complex provides an intellectually stimulating environment, which hosts nearly one thousand scientists organized in eighty different research groups (<http://www.prbb.org>).

Salary is competitive and commensurate with experience. This is a two-year appointment until December 2025, with possibility of renewal based upon satisfactory job performance, continuing availability of funds, and ongoing operational needs.

Requirements of the candidates

- Master or Bachelor in Bioinformatics, and 2-3 years of relevant experience in computational biology or bioinformatics. Doctoral degree will be highly valued.
- Proven experience in computational biology, immunology, systems biology, bioinformatics or related field.

- Statistical skills, experience with omics datasets (e.g., RNAseq, transcriptome analysis, NGS technologies, microbiome, metabolome data) and proficiency in standard analytical platforms (e.g., R, Matlab, OMIQ, Cytobank).
- Experience in Immunoglobulin/T cell receptor repertoire analysis and single cell-RNA seq analysis.
- Proficiency in English and scientific writing skills are a must.

Application process

The applicant should submit the following documents in English:

- Cover letter describing skills and motivation driving the application for this position
- Curriculum vitae, including list of publications
- Two or more reference letters

Enquires and applications should be sent to Professor Andrea Cerutti:

acerutti@imim.es and **Mauricio Guzman: mguzman@imim**