

## Postdoctoral

Ecole/Institution/Société:  
**CETIC , Spain / Barcelona**

Discipline:  
**Biomedical Engineering**

Type d'emploi::  
**Full-time**

Date de publication:  
**2022-03-19**

Personne à contacter:  
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### **Postdoctoral position in Computational Biomedical Engineering**

BCN-MedTech offers an ideal working environment, mainly due to the large critical mass of experienced senior investigators in diverse areas of biomedical engineering, junior postdoctoral researchers, and an international team of talented young PhD students; there is always someone that can help!

In addition, the extensive network of collaborations, including clinical, industrial, and large infrastructure partners, gives us a privileged access to unique data, software tools, and technological facilities.

The maximum score usually obtained in individual national and international fellowships evaluating the institution repeatedly demonstrates the excellent training environment of BCN-MedTech. A three-year contract will be offered, with a gross annual salary of 35.064,68 euros. You won't get rich, for sure; still, it allows for a decent living in Barcelona.

We are looking for a highly motivated researcher with a PhD in computational biomedical engineering, ideally related to physiological modelling and/or medical data processing in cardiovascular or neurological applications, willing to do research at the leading edge of biomedical engineering.

Equally important is the interest in innovative teaching of undergraduate and graduate courses in biomedical engineering, as part of the duties of an academic member of the university. During the 3-year period of the contract, it is expected that the candidate will apply for individual fellowships ([e.g.](#), Juan de la Cierva, Marie Curie, Ramon y Cajal) as the previous step to subsequently apply to the tenure track positions that will open during the next few years at UPF.

High motivation is the only essential pre-requisite; our top-quality research standards demand hard work, which only strong motivation and commitment can ensure.

Candidates must have excellent teamwork and communication skills and be enthusiastic about collaborating with a diverse range of international partners. We expect them to be fluent in oral and, particularly, writing English, as it will be the language used to interrelate with the different partners. Interest in clinical translation is essential since meetings with clinicians will regularly take place. Female applicants are explicitly encouraged to apply and will be treated preferentially whenever they are equally qualified as other male candidates.

The selection committee uses a number of indicators to evaluate the applicant's preparedness, motivation and potential. 1st phase, remote pre-selection: The Scientific, Technological & Academic excellence will be considered at first, based on:

- Quality of the CV, in general
- Any demonstrated research experience, particularly if supported by evidence such as scientific publications, patents, participation in scientific congresses.
- Any demonstrated teaching experience, particularly if supported by evidence such as number of hours, coordination of subjects, material preparation, student feedback, ...
- Any demonstrated previous recognitions ([e.g.](#), grants, awards)
- Reference letters provided by professors and senior scientists: two reference letters are expected. Referees are asked to address analytical capabilities, technical proficiency, ability to work independently and motivation/commitment.

Statement of purpose: past research experience, motivation for applying to this position, academic fit, contribution of the project to the candidate's future careers plans.

- Additional relevant skills (field-specific): demonstrated, [e.g.](#), through previous projects, and or through previous participation in scientific contests, trainings, 2nd phase, interview(s): Should the candidate be preselected at phase 1, a second phase will consist in at least one interview through which the motivation, the proactive behaviour, the capacity to work collaboratively, the organizational skills, the communication skills and the capacity to engage in a scientific discussion and manage problems, will be assessed, among other aspects.
- The final decision will be the result of a consensus of an evaluation committee that will take into account the results of both recruitment phases 1 and 2. The candidate will be informed of the section results by email. Application process All the documents that prove the eligibility of the candidate should be provided. As for the selection process candidates are expected to provide at least the following documents:
- A brief introduction letter (no more than one A4 page) that summarizes the documents and the nature of the information provided for the selection • A full CV
- The two requested reference letters • The letter of purpose (no more than two A4 pages) All documents must be sent by email to Pr. Oscar Camara <[oscar.camara@upf.edu](mailto:oscar.camara@upf.edu)>.

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