



JOB OFFER

PhD Position 3DCARTIBONE

Reference project: CPP2023-010646

JOB DESCRIPTION

In the framework of 3DCARTIBONE project, funded by AEI. The 3DCartiBone is a consortium project that involves Banc de Sang I Teixits (BST), Hospital Sant Joan de Deu (HSJD) and Centre CIM – UPC. The project goal is to develop and validate new SoHO bioinks capable of being applied to a new procedure for the production of patient-specific osteochondral-like bioprinted grafts enriched with multipotent mesenchymal stromal cells (MSC). This would dramatically improve surgical approach by reducing the need for harvesting costal cartilage autografts, or cartilage allografts from human cadaveric donors, solving the risks and the problems related with the donor-receptor graft matching and reducing time of surgery, patient length of stay in post-surgical admission and clinical outcomes (patient recovery).

To support our mission, we are seeking a **PhD student** with expertise expertise in biomaterials, tissue engineering, or related fields. The ideal candidate will play a crucial role in the development of bioprinted advanced therapies. Specifically, the candidate will undertake their doctoral thesis by developing a suite of bioinks based on diverse extracellular matrix components, aimed at biofabricating cellular scaffolds designed for the regeneration of articular cartilage.

Position

- Research Assistant

Experience and knowledge

Required

- Master's degree in bioengineering, biomedical science, biotechnology (health) or related field.
- Good knowledge of lab techniques, specifically in cell culture techniques.
- Good knowledge of material science, specifically polymers, biomaterials, biological materials, rheology ...etc.
- Good level of English (Advance or Proficiency).

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Desired

- Knowledge of bio-fabrication techniques, bioprinting and related.
- Publications, specially in this field.
- Research experience in the mentioned fields.

Conditions:

- Full-time (38,5 h/week)
- Incorporation immediately
- Length of the contract: 9/1/2025 – 30/11/2027
- Gross salary 25.424 euros /year
- Fringe benefits (lunch allowance, public transport reduction, extra on-leave days in Christmas and Eastern)

How to apply: please, click on the following link:

<https://cezanneondemand.interviewweb.it/iqs/jobs/predoctoral-researcher-3dcartibone-project-49003/en/>

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