

Full time Post-Doctoral position in 3D cell bioprinting

At the Laboratory of **Pathophysiological and Nutritional Biochemistry (LPNB)**
and the **BioMatter unit**, the Free University of Brussels (ULB)

Project Description

We are seeking highly motivated post-doctoral researchers to develop 3D-bioprinted salivary gland model to decipher the physiopathology of diseases. PhD candidates will perform their research in an intellectually stimulating and multi-disciplinary environment. The successful applicant will join the ULB Laboratory of Pathophysiological and Nutritional Biochemistry (LPNB) (<http://lpnb.ulb.be/HOME-PAGE-LPNB.html>) and the BioMatter unit (<http://biomatter.ulb.be/>)

Profile

The applicant should have a Master and a PhD thesis in the field of medicine, biological sciences, chemical engineering or biological engineering. We are looking for a highly motivated person with strong background in molecular biology, biochemistry, biomaterial synthesis, tissue engineering and cell biology who should be able to satisfy most of the following requirements.

Specific Requirements

Candidates can be EU or Non-EU citizens. The Candidate have the opportunity to travel overseas to ensure technology transfer. Candidates must have spent one year outside Belgium in the past three years.

Expertise and technical skills:

- Stem cells & regenerative medicine.
- Advanced cell-culture and tissue engineering techniques (e.g., organoids, 3D bioprinting, etc.).
- Bioprinting techniques, such as extrusion, and DLP.
- Biomaterials, e.g., hydrogel and scaffold design, synthesis and characterization
- Immuno-histo/-cyto chemistry, confocal microscopy, flow cytometry/FACS, and RNAseq, cell live / death assays.
- In vivo models, imaging, and tissue evaluation
- Preparation of bioactive compounds and hydrogels.
- Physicochemical techniques including SEM, FTIR, rheology.

Interested?

The applicant should prepare a unique PDF file containing the following documents in the specified order:

- cover letter (1 page maximum)
- curriculum vitae
- publication list
- brief overview of relevant experience (1 page maximum)
- academic transcripts

Submit application to: christine.delporte@ulb.be and amin.shavandi@ulb.be If judged suitable, applicants will be selected for an online interview.

Salary: Approximately 2400 € after tax

Duration: 2 years full time.

Starting date: As soon as possible.

Deadline for the submission of applications: Positions open until filled.