Job description

BEAMS/ULB, CMST/UGent and ICTEAM/UCL announce their Next Generation Intelligent Wound Care Electronic Patches program for open wound treatment. We bring together a strong consortium of experts, each specialized in its own field, providing the many disciplines necessary for such a multidisciplinary project: biomedical data processing and artificial intelligence, microelectronics fabrication, electronic design, biophysics, dermatology, and therapy expertise. We aim to design, implement, and validate a smart bandage to monitor open wounds and optimize treatment.

BEAMS/ULB offers a research position in Biomedical Engineering, more specifically in biomedical data processing and artificial intelligence, to take part in a key area of this project. The primary aims are to implement and validate an algorithm to identify predictive patterns of wound healing and healing time, propose regression models to identify recovery, and implement and validate classifiers to distinguish the healing quality. Biomedical data processing and artificial intelligence will be required to undertake the project.

The researcher will be starting on December 2022. He/she will be based at ULB, located in Brussels (Belgium) and the work will be performed in close collaboration with all the partners.

Profile

We are looking for a highly motivated post-doctoral computer scientist or engineer with a specific interest in artificial intelligence, showing excellent knowledge, or the willingness to acquire it, in biomedical data processing. The financing is attributed for one year, extendable for two more years.

Interested?

Interested candidates are requested to send their application to Pr. Antoine Nonclercq (antoine.nonclercq@ulb.be), with a copy to Pr. Carolina Varon (carolina.varon@ulb.be), including a cover letter describing yourself and your interests, your resume, and a recommendation letter from at least one reference person.