



Research Engineer in Skin Bioengineering and Regenerative Medicine

We are looking for a highly **motivated research engineer** to join our innovative research program on **skin tissue engineering and regenerative medicine**, as part of the **Bioengineered Skin-France** initiative. This project aims to develop next-generation skin substitutes with enhanced immunotolerance, vascularization, and regenerative potential. The successful candidate will work at the intersection of advanced skin models, organoid technologies, and molecular engineering, contributing to translational research with direct preclinical and clinical applications.

Key Responsibilities

- Develop and optimize **skin organoid models**, integrating keratinocytes, fibroblasts, and endothelial cells.
- Perform cell culture and maintain skin cell lines under chemically defined conditions.
- Apply **CRISPR/Cas9 genome editing** to engineer cells with immunomodulatory properties
- Conduct molecular and cellular biology experiments (e.g., sequencing, immunophenotyping, transcriptomic analysis).
- **Collaborate on preclinical animal models** (mouse and porcine xenografts) to evaluate graft functionality.
- Ensure compliance with GMP guidelines for bioengineered skin products.

Qualifications

- **Ph.D. in Cell Biology, Biotechnology, Molecular Biology**, or a related field.
- Hands-on experience in **skin cell culture**, including **keratinocytes and fibroblasts**.
- Expertise in **organoid models** or **3D tissue engineering** is a strong advantage.
- Proficiency in **CRISPR/Cas9 gene editing** and molecular biology techniques.
- Familiarity with **sequencing technologies** and **data interpretation**.
- **Certification to work with animal models** in preclinical research is required.

Transversal Competences

- **Strong organizational and communication skills** to collaborate in a multidisciplinary environment.
- Maintaining a **comprehensive lab notebook** and ensuring data traceability.
- Adhering to **health & safety regulations** and **laboratory protocols**.

- Ability to **present, share, and discuss research findings** with internal and external collaborators.

Application Requirements

Interested candidates should submit the following documents:

1. **A cover letter** detailing research interests and relevant experience.
2. **A curriculum vitae (CV)** including a list of publications.
3. **Contact information for three references.**

This position offers an exciting opportunity to contribute to **groundbreaking research** at the interface of **biotechnology, regenerative medicine, and translational skin research.**

We look forward to receiving your application!

Contacts

Pr Walid RACHIDI : walid.rachidi@univ-grenoble-alpes.fr

Dr Marie Viguiier : marie.viguiier@cea.fr

CEA Grenoble

IRIG/BGE/BIOMICS

[Deadline for application: February 28, 2025](#)