



Research and Development Engineer, 80-100%, m/f/d
ETH Zürich, Campus Hönggerberg (ZH)
permanent | start summer 2024

About us

At qCella, we revolutionize the way products are heated, such as automotive interiors, wearable technology, and pain-relieving solutions. As a pioneering hardware startup from ETH Zurich, we are committed to introducing innovative materials for resistive heating applications and beyond. Our mission is to replace the outdated heating wire technology with our cutting-edge, homogenously heating, paper-thin, flexible, and easily shape-customizable heating mats, offering unparalleled versatility and efficiency.

Apply here:



Position Overview

We are seeking a talented R&D Engineer with a focus on materials science, chemistry and process engineering to join our dynamic team. As an integral member of our Research and Development team, you will play a crucial role in designing, optimizing, and scaling up processes and production of our heating mats and support the development of our product.

Key Responsibilities

- Manage the product optimization and upscaling efforts of our heating mats
 - Design and conduct experiments to optimize process parameters, improve product quality, yield and increase efficiency
 - Scale up laboratory processes to pilot and production scale, ensuring seamless transition and optimization for commercial manufacturing
 - Manage quality measurements and analyses
- Develop and maintain technical documentation, including standard operating procedures and safety protocols
- Keep up to date with industry trends, emerging technologies and regulatory requirements to drive continuous improvement and innovation within the startup

Your Profile

- Master's degree (3+ years of professional experience are an advantage or Bachelor's degree with professional experience of 5+ year) in Materials Science, Chem. Engineering, Chemistry, Process Engineering or related fields from ETH Zurich/EPFL, a university or a University of Applied Sciences (Fachhochschule)
- Hands-on experience with laboratory techniques, equipment, and analytical instruments commonly used in chemical R&D
- Excellent problem-solving skills, attention to detail, and ability to work independently and collaboratively in a fast-paced startup environment
- Good oral and written communication skills in English, good knowledge of German is an advantage

Our Offer

- Exciting and challenging projects at the forefront of innovation in chemistry, materials science, and process engineering with focus on product development and upscaling
- Fair compensation and opportunities for employee stock ownership
- Maintaining a good work life balance with flexible work hours
- Professional development and growth opportunities in a dynamic startup environment.
- Access to company-sponsored benefits (ASVZ [sports center with gym access and classes], mobile phone subscription and SBB half fare travelcard)

How to Apply

Please submit your resume and a cover letter explaining why you are interested in joining qCella to careers@qcella.com.