



PhD Student (f/m/d) Wound Management

📍 Heidenheim an der Brenz, Germany

fulltime

For our project "Stimuli Responsive Materials for the Rapid Detection and Treatment of Healthcare Associated Infections" which is EU funded and part of the Marie Skłodowska-Curie International Training Network (ITN) of the European Commission, we are looking for an early-stage researcher aiming for a PhD. Research focus of the STIMULUS project is on wound infections. Applicants are expected to start between March and May 2021.

Our goal is to provide you with a top transdisciplinary PhD education, combining the best that scientists and entrepreneurs have to offer. You will become uniquely equipped to be a future research leader in healthcare-related materials science. To combine academic and industrial experiences you will perform at least one long secondment with another consortium member which come from the academic, industrial and government sectors in 6 countries: Germany, UK, Turkey, Austria, Switzerland and the Netherlands. In addition to that, you will participate in network-wide training events all around Europe.

In this project you have the following mission:

Your research will provide technological solutions to the growing problem of healthcare-associated infections. Increasing antibiotic resistance means that current medical approaches rapidly become unsustainable. The goal of the project is to create medical devices that signal when a true infection is present and thereby reduce the unnecessary prescription of antibiotics. Furthermore, potent novel and existing antimicrobials will be released by built-in triggers in wound dressings to treat infections exactly when and where it is needed. Taking these technologies from fundamental research to prototypes with HARTMANN and the other consortium members will be the crowning achievement of your training.

What we are looking for:

- Master's degree at the latest by May 2021 in one of the following fields: materials science, chemistry, chemical engineering, biotechnology or equivalent
- First practical experience out of industrial internship desirable
- Commitment and passion for performing high-quality research and development
- Deep interest in material sciences
- Passion for improving the healthcare sector with innovative solutions
- Solution-oriented mindset paired with open communication
- Fluency in English and preferably also in German

Specific requirements from the STIMULUS project:

- You cannot have resided or carried out your main activity (work, studies, etc.) in Germany for more than 12 months during the last 3 years to be eligible. Compulsory national service, short stays such as holidays, and time spent as part of a procedure for obtaining refugee status under the Geneva Convention are not taken into account.

- You have to be in the first four years (full-time equivalent research experience) of your research career and have not been awarded a doctoral degree. Full-Time Equivalent Research Experience is measured from the date when the researcher obtained the first degree entitling him/her to embark on a doctorate (either in the country in which the degree was obtained or in the country in which the researcher is recruited), even if a doctorate was never started or envisaged.

Benefits:

- A top transdisciplinary PhD education, combining the best that scientist and entrepreneurs have to offer
- Participation in network-wide training events
- Furnished apartment for the first six months, if distance to place of residence > 60 km
- Flexible working conditions, e.g. flexitime or mobile working to do research at member universities

Interested? Then apply here: <https://careers.hartmann.info/Hartmann/job/Heidenheim-PhD-Student-%28fmd%29-Wound-Management-BW-89522/642234601/>