plant-biotech.net

Plant Biotechnolgy • Schaenzlestrasse 1 • 79104 Freiburg • Germany

UNI FREIBURG

**The Chair Plant Biotechnology, Faculty of Biology,
University of Freiburg (Germany)
invites applications for a**

Ph.D. student position
MossTech: Biotechnology, Plant Molecular Biology

MossTech is an international consortium composed of three universities, one research institute and four companies as partner organisations (www.mosstech.eu) from seven different countries that aim to establish novel moss species including the flagship model *Physcomitrella patens* as green cell factories for biotechnological applications such as the production of fine chemicals and biopharmaceuticals.
MossTech is funded by the Marie Skłodowska-Curie Actions (MSCA) Innovative Training Networks (ITN) under the Horizon 2020 programme.
Within this framework the PhD students will spend 24 months at the industrial partner Mosspiration Biotech (Denmark) and 12 months in the research group of Professor Ralf Reski in the Department of Plant Biotechnology, Faculty of Biology, University of Freiburg (Germany). The major parts of the project will comprise the establishment of transformation protocols to enable genetic engineering of new moss species to establish novel green cell factories. Further biosynthetic pathways of terpenoids will be analyzed and modified to apply these in industrial production.
The position is available for a 3-year period (01.04.2018-31.03.2021) for applicants holding a relevant master's degree.
At the time of recruitment it is a requirement that PhD candidates have not been awarded a doctorate degree and are in the first 4 years (full-time equivalent) of their research careers. Furthermore, at the time of selection by the host organization, researchers must not have resided or carried out their main activity (work, studies, etc.) in either Germany or Denmark for more than 12 months in the 3 years immediately prior to their recruitment. Short stays, such as holidays, are not taken into account.
The applicant must possess an MSc degree prior to initiation of the PhD study and be able to take up the position no later than April 1st, 2018.
Applicants should have a background in molecular plant biology and molecular cloning as well as plant transformation procedures. Experience with plant secondary metabolites or metabolomics is also appreciated. Excellent English speaking, reading and writing skills are required. Applicants should be interested in working in an international cooperative network of a total of 6 PhD students and provide perfect teamwork skills as well as the ability to work self-organised and independently.
Please apply with one pdf including a motivation letter, CV list of talks and/or presentations, scans of relevant certificates and contact details of 2-3 professionals as references to Prof. Reski at pbt@biologie.uni-freiburg.de no later than December 6th, 2017.