

We are seeking an enthusiastic

PhD candidate (w/m)

with an excellent master's degree (or equivalent) in biology, biotechnology, biochemistry or bioinformatics.

The interdisciplinary, BMBF-funded project "TaReCa - Tailoring of secondary metabolism in horticultural residuals and cascade utilization for a resource efficient production of valuable bioactive compounds" aims at the development of a utilization cascade of residual biomass from pepper cultivation for the production of valuable secondary metabolites. We offer an exciting research topic in a highly motivated interdisciplinary project team with engineers, economists, plant and horticultural scientists. For more information please visit the homepage www.usadellab.org.

The successful candidate will develop LC-MS-based analytical methods to quantify flavonoids from pepper, analyse metabolite profiles, perform RNAseq experiments on stressed pepper plants, including data analysis and verification. Interpretation of results as well as writing of scientific publications also belongs to the tasks.

You have good knowledge of plant metabolism as well as practical experience in analytics (HPLC or MS) or molecular biology. Basic knowledge of measurement of metabolites or sequence data analysis is an advantage. You are proactive, have good communication and team skills, but you can also work independently. You are enthusiastic about scientific questions and the systematic analysis of problems. You also have a great interest in interdisciplinary cooperation with engineers and economists, a strong ability to work with internal and external project partners and good skills in the spoken and written English language.

Qualified candidates will start in pay grade 13 TV-L (50%) of the German public service pay-scale. The position is to be filled as soon as possible and limited for 3 years.

The RWTH is certified as a family-friendly university.

At the RWTH Aachen, we want to promote the careers of women and therefore we particularly welcome applications from women. Applications of disabled candidates with suitable qualifications are welcome.

Please send your application, including a letter of motivation, your CV and certificates by Mail or Email (PDF file) **until 24.11.2017** to:

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