

The Cluster of Excellence on Plant Sciences (CEPLAS) announces
2 Postdoc positions in plant sciences (100%, EG 13 TV-L)

at the Heinrich Heine University Düsseldorf to be filled for two years at the next possible date.

Innovative Strategies for Crop Improvement

CEPLAS – Cluster of Excellence on Plant Sciences – from complex traits towards synthetic modules – is a joint effort of Heinrich Heine University, University of Cologne, Max Planck Institute for Plant Breeding Research and Forschungszentrum Jülich. Researchers of these institutions are pursuing innovative strategies for sustainable plant production. CEPLAS holds a unique position within the German Excellence Initiative as the only cluster focussing exclusively on plant sciences. It applies a new approach driven by evolutionary analysis and synthetic biology. The positions offered are located at the Heinrich Heine University Düsseldorf.

The following two projects are open for application - for more information please visit www.ceplas.eu:

Using receptor kinase pathways to modify plant traits	Diversity und functional consequences of protists and oomycetes closely associated with <i>Arabidopsis</i>.
Project description: Receptor kinase signalling pathways control many aspects of plant architecture and development. We will here investigate how receptor kinases and their peptide ligands modify important plant traits, such as seed production.	Project description: We are investigating the biodiversity and functional consequences of microbes living in tight association with <i>Arabidopsis</i> . In particular, this project will uncover which oomycetes and protists populate this niche and the biological consequences of these plant-microbe associations.
Your qualifications: good knowledge of plant development, molecular biology, cell biology and microscopy techniques.	Your qualifications: Experience working with oomycetes and/or protists associated with plants, good knowledge of standard molecular and microbiological techniques, ability to conduct and interpret phylogenetic analyses.
Host: Rüdiger Simon, http://devgen.hhu.de/	Host: Laura Rose, http://popgen.hhu.de/en.htm Michael Bonkowski, University of Cologne
Contact: ruediger.simon@hhu.de	Contact: laura.rose@hhu.de

What We Offer

CEPLAS postdocs participate in the structured, 2-year CEPLAS Postdoc Programme. The programme aims at providing our postdoctoral fellows with the best possible skills and expertise to allow them to achieve their personal career goals in all areas. Programme components are training, mentoring and networking with industry.

We are looking for

talented, highly motivated applicants with a PhD degree and a master or diploma degree, ability to work well independently and in a team, good communication skills in English, enthusiasm for science.

According to the applicant's personal qualification he or she will be paid up to EG 13 TV-L (german civil service pay scale). Qualified candidates should send their applications (cover letter describing their qualifications and research interests, curriculum vitae, contact info of two references, degree and PhD transcripts) by indicating the number **09T15-3.1** no later than **17.04.2015** as **one** single pdf to the respective contact address listed above.

HHU is an equal opportunity employer. Applications from women are expressly welcome. Women with comparable qualifications will receive particular consideration, unless another applicant displays compelling reasons to prefer this person. Applications from suitably qualified severely disabled persons or disabled persons regarded as being of equal status according to Book IX of the German Social Legal Code (SGB – Soziales Gesetzbuch) are encouraged. Disabled persons with equal qualifications will be given priority.