CEPLAS
Cluster of Excellence on Plant Sciences

The Cluster of Excellence on Plant Sciences CEPLAS invites applications for

15 Postdoctoral Research Associates (100 %, EG 13 TV-L/TVöD-Bund)

to be filled for three years at the participating institutions.

SMART Plants for Tomorrow's Needs

The Cluster of Excellence on Plant Sciences is a joint unit of Heinrich Heine University Düsseldorf, University of Cologne, Max Planck Institute for Plant Breeding Research Cologne and Forschungszentrum Jülich. CEPLAS is developing innovative science-based strategies for sustainable plant production. Our aim is to mechanistically understand complex plant traits of agronomic relevance that impact on yield and adaptation to limited resources.

What we offer

CEPLAS creates an international, interdisciplinary research environment. We offer a comprehensive training program for early career researchers tailored to your respective career level. Program components are (scientific) training, mentoring, coaching and networking with industry.

We are looking for

talented, highly motivated applicants with a doctoral degree (preferably recently completed) and a strong background in molecular plant sciences, genetics, quantitative biology, bioinfomatics or a related discipline.

We invite applications for the following projects (detailed descriptions on www.ceplas.eu):

1. Meristematic regulatory networks controlling floral transition
2. Control of shoot meristem development in barley
3. The role of signaling, transport and metabolism in developmental control of monocot meristems
4. Physiological and metabolic consequences of diversification of leaf margin complexity
5. Apoplastic communication and metabolic fluxes in multipartite interactions
6. Nutritional signals impacting immunity and symbiosis programs
7. Understanding plant-microbiota interactions using photosynthetic microbial consortia
8. Quantitative analysis of signaling networks by synthetic reconstruction in orthogonal systems
9. Optogenetic control and reprogramming of leaf cell development
10. Regulation of C-resource allocation to various cellular sinks
11. Nutrient exchange between plant and microbes
12. Comprehensive and efficient identification of genomic differences from whole-genome alignments
13. Multiscale models of plant-microbiota interactions
14. Mathematical models of resource allocation in plant metabolism and development
15. GeneCOMPLETE

Application process

The place of employment is defined by the respective research project. According to the applicant's personal qualification and the institution, employment will be based on salary group 13 TV-L/13 TVöD-Bund. Qualified candidates should send their application (cover letter, curriculum vitae, contact info of two references, transcripts) by indicating the number 130T19-3.1 no later than 15.07.2019 by e-mail (one single pdf-file) to office@ceplas.eu.

In principle, the employments can also take place part-time, if no compelling official reasons are opposed in an individual case. All participating institutions are equal opportunity employers and strive for gender equality and diversity. Applications from individuals with backgrounds that are underrepresented in MINT disciplines are expressly welcome. Women with comparable qualifications will receive particular consideration. Applications from suitably qualified severely disabled persons or people of equivalent status according to Book IX of the German Social Legal Code (SGB – Soziales Gesetzbuch) are encouraged. Severely disabled applicants of equal merit and qualifications will be given priority.

HEINRICH HEINE UNIVERSITÄT DÜSSELDORF

Universität zu Köln

Max-Planck-Institut für Pflanzenzüchtungsforschung

JÜLICH Forschungszentrum