

The Cluster of Excellence on Plant Sciences CEPLAS invites applications for an

**Academic expert (m, f, d) in Imaging (100 %, EG 14 TV-L)**

to be filled at Heinrich Heine University Düsseldorf. The position can be filled at the next possible date and will be financed till 31.12.2025. The pay scale grouping will be, depending on the personal qualification of the applicant, up to pay grade 14 TV-L.

**Background**

CEPLAS conducts fundamental research on complex plant traits of agronomic relevance that impact on yield and adaptation to limited resources. This knowledge underpins novel strategies for designing and breeding plants that react in a predictable way to future challenges (SMART plants).

The Center for Advanced Imaging (CAi) at HHU provides latest methods of imaging in light and electron microscopy, which offers particular opportunities for the field of plant science in which they allow macroscopic observation as well as the documentation of specific phenotypes of whole plants, plant organs and tissues. At the same time, they also allow penetration into the subcellular resolution domain to observe dynamic behavior, complex formation and interaction of individual proteins and biomolecules, and to correlate with macroscopically observed phenotypes to understand their molecular basis.

**Your tasks**

The academic expert (m, w, d) will be responsible for the development of correlative light and electron microscopy procedures to drive CEPLAS science with a focus on super-resolution microscopy. He/she will further support CEPLAS researchers with their projects and train in use of imaging techniques and tools already available at CAi.

The academic expert (m, w, d) will be located at HHU and will be integrated in the CAi team. He/she will collaborate closely with the expert at the other CEPLAS institutions in Cologne to support the establishment of their imaging platform. He/she will also be involved in training of students within CEPLAS Graduate school.

**Required skills:**

- PhD degree in biology or a related discipline
- Hands-on experience with advanced microscopy techniques with a focus on super-resolution microscopy.
- Experience with working in an imaging core facility environment.
- Experience in image analysis and macro-programming.
- Excellent communication skills and experience in interdisciplinary communication
- Experience with correlative light and electron microscopy applications is preferable but not essential
- High degree of self-initiative and individual responsibility
- Fluency in English, both orally and in writing

**What we offer**

CEPLAS creates an international, interdisciplinary research environment. We offer a comprehensive training program comprised of scientific training possibilities as well as transferable skills training, mentoring, coaching and networking with industry.

**Application process**

Qualified candidates should send their applications (Cover letter, curriculum vitae, short (max. 1 DIN A4 page) concept for development of an imaging platform at CEPLAS by indicating the number 147 T 19 – 3.1 no later than 03.12.2019 by e-mail (one single pdf-file) to [office@ceplas.eu](mailto:office@ceplas.eu).

In principle, the employment 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.