



PlantHUB

Boosting technology transfer and responsible research and innovation in plant sciences

H2020-MSCA-ITN-2016

Call fiche



Call identifier: PlantHUB_2016_Call_2

Deadline: 1st December 2016, Zurich local time

Successful applicants will carry out their PhD will be recruited for at least 50% of their time **at one of the non-academic partners** (Carlsberg Group, Carlsberg Research Laboratory, Deutsche Saatveredlung AG, BaseClear BV, Agroisolab GmbH; Heliospectra AB; LemnaTec GmbH or NPZ Innovation GmbH) and the remaining fellowship months **recruited at a world-leading academic host organisation** (ETH Zurich, University of Zurich or University of Basel). The specific percentage of time that the successful applicant will spend at each institution is indicated in the specific position announcement.

PhD candidates will develop the fundamental research carried out at the academic partner into a marketable application or service together with the involved companies.

Joint supervision by at least two supervisors, one from the partner universities and one representative from the companies are provided.

The outcomes are new molecular tools for plant breeding, new forage, cereal and oil crop varieties, non-invasive imaging and phenotyping technologies, intelligent lighting systems for plant growth, new software and services for complex genomic analyses, and plant product quality.

All PlantHUB ESR will follow a doctoral programme that is ground-breaking. The doctoral training is placed into an entrepreneurial environment of leading public and private organisations. It combines practical hands-on R&D and technology transfer in plant breeding and production with a PhD Program that concentrates on **Responsible Research and Innovation** training and practise.

PlantHUB is funded by the H2020 PROGRAMME Marie Curie Actions – People, Initial Training Networks (ITN) and is managed at the Zurich-Basel Plant Science Center, www.plantsciences.ch.



Currently open projects are:

Project Nr.	Project title	Research field
3	Self-fertility for powerful grass hybrids	Genomic evolution
4	Self-incompatibility to increase seed yield in forage grasses	Genomic evolution
5	Efficient capturing and third-generation sequencing of complex genomic regions	Plant Physiology
7	Development of molecular tools for the production of chlorophyll-free seed oil in rapeseed	Plant Physiology
9	Dynamic control system for multi-channel LED illumination systems to enable near-natural plant growth	Plant Physiology, Photosynthesis

For details about the individual projects please visit the website:

<http://www.plantsciences.uzh.ch/en/research/fellowships/PlantHUB.html>

Eligibility conditions:

PlantHUB is open to **applicants of any nationality** fulfilling the following eligibility criteria:

- Only **early stage researcher** can benefit from the PlantHUB programme. Early stage researchers are researchers in the first 4 years (full-time equivalent) of their research careers, including the period of research training, starting at the date of obtaining the degree which would formally entitle them to embark on a doctorate either in the country in which the degree was obtained or in the country in which the initial training activities are provided.
- At the time of recruitment (=first day of the employment) by the host organisation, researchers must not have resided or carried out their main activity (work, studies, etc.) in the country of their host organisation for more than 12 months in the 3 years immediately before the reference date. Compulsory national service and/or short stays such as holidays are not taken into account. The mobility requirement will apply to the beneficiary where the researcher is recruited for the first time in the PlantHUB.

Recruitment conditions:

- PlantHUB guarantees fair recruitment criteria and procedures on the basis of open competition and selection of candidates that show scientific excellence in their CV.
- Application needs to be submitted on the online application portal: <http://www.lifescience-graduateschool.uzh.ch/en/application.html>
- Applications shall include the applicant CV, personal motivation letter, 2-3 reference letters, diploma and additional supporting information (e.g. proof of competence in English).
- The applicant shall be available for the post latest in March 2017.
- Awarded fellowship duration is 36 months (full-time).



Personal motivation letter (included as point 'Scientific Interest' in the online application):

Within the letter of motivation the applicant shall refer to his/her preferred individual research project and describe his/her motivation.

PhD enrolment:

Successful candidates will be matriculated at either ETH Zurich, University of Zurich or University of Basel based on the supervisor's location. All successful applicants will follow the doctoral programme "PhD Programme in Plant Sciences". The doctoral degree will be awarded by ETH Zurich, University of Zurich or University of Basel after successful completion of the thesis and the doctoral programme.

Detailed information about the individual positions and the recruitment process you can find here:

<http://www.plantsciences.ch/research/fellowships/PlantHUB>