



UNIVERSITY OF
GEORGIA

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Postdoc Position: Open source plant phenotyping system

The computational plant science lab (<http://www.computational-plant-science.org/>) searches for an energetic and creative computational plant scientist.

The applicant will lead the development of the next generation phenotyping platform PLANT IT (<http://portnoy.cyverse.org/>) as part of an international team within the arpa-e Deeper project (<https://arpa-e.energy.gov/?q=arpa-e-programs/roots> , https://twitter.com/deeper_project). The applicant will work on improving the new web-frontend, the workflow management of job submissions and the deployment onto the Cyverse cyber-infrastructure to enable high-throughput computation for plant researchers world-wide. The position will offer excellent trainings opportunities at the interface of plant biology and computer science as well as networking and collaboration opportunities to establish their own research line.

Requirements for this position are (1) programming experience in python (2) experience in using Linux/Apache environments and container technologies (e.g. Docker/Singularity), (3) interest in open source development including community building, (4) background in computer science, computer engineering, computational biology, information technology, other relevant background or demonstrated hand-on experience. (5) The candidate will need excellent communication skills to work in collaboration with plant biologists, algorithm developer and an open community of users and contributors.

The position can start immediately but a later start is negotiable. We provide competitive salary, benefits, and travel budget. Screening of applicants will begin immediately and applications will be considered until position is filled. Submit your application to Alexander Bucksch (bucksch@uga.edu), with a curriculum vitae (CV), a statement of how your research interests are related to the interests of the lab, and contact information for three references.

Desired skills and experience

Preferred qualifications that give the candidate an advantage include (1) experience with high-performance computing systems, (2) practical knowledge of workflow managers and (3) web-frontend development, (4) previous experience with plant phenotyping.

About the employer

More information on the group's research can be found at www.computational-plant-science.org. The University of Georgia is located in Athens, GA – a vibrant community full of music, arts and history (<https://www.visitathensga.com/>) as well as close to the Smoky Mountains and Atlanta.

The University of Georgia is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, sexual orientation, gender identity, disability, or protected veteran status.