

Postdoctoral Scientist – Phenotyping

Shanhua, Taiwan

The World Vegetable Center (WorldVeg) is a non-profit, autonomous international agricultural research center with headquarters in Taiwan and regional offices in Africa and Asia. WorldVeg conducts research and development programs that contribute to realize the potential of vegetables for healthier lives and more resilient livelihoods. The Center implements its science for development agenda through three outcome-oriented 'flagship programs': Safe and Sustainable Value Chains, Healthy Diets, Vegetable Diversity and Improvement, and one cross-cutting flagship program: Enabling Impact. For more information, please visit our website: worldveg.org

WorldVeg holds the world's largest collection of vegetable germplasm in the public domain. The Center has vegetable breeding programs in Asia and Africa, has strong connections to the seed sector, and is well-placed to develop improved cultivars with traits for tolerance to biotic and abiotic stresses, enhanced shelf life, improved nutrient content and quality. The Center is currently modernizing its research infrastructure and is strengthening its collaborations with advanced research institutions and universities.

WorldVeg seeks to employ a Postdoctoral Scientist – Phenotyping to conduct high quality research delivering a pipeline of improved tropically-adapted vegetable cultivars.

The incumbent will be based at WorldVeg headquarters in Shanhua, Tainan, Taiwan and will report to the Flagship Leader – Vegetable Diversity and Improvement.

Key job responsibilities:

- Analyze crop performance in a high throughput automated field phenotyping system;
- Develop trial protocols, implement phenotyping experiments, supervise data collection and analyze the results in collaboration with genebank scientists, breeders and geneticists;
- Design experimental plans for phenotyping trials;
- Continuously improve data capture and analysis in collaboration with phenotyping system providers and users for improved harvest index and stress tolerance breeding;
- Train staff, visiting scientists and students in the use of the phenotyping facility and trait capture;
- Contribute to capacity building of stakeholders in phenotyping;
- Work with geneticists, mathematicians and modelers to parametrize crop models with phenotypic and environmental data to predict crop performance across environments;
- Develop and continuously update a WorldVeg Phenotyping Handbook;
- Publish research results in peer-reviewed journals;
- Contribute to concept notes, proposals and project reports in collaboration with internal and external partners;
- Perform any other duties as required by the needs of the Center and as directed by the supervisor.

The Person: Candidates must have a recent PhD degree in plant physiology, agronomy, horticulture or a related field and have strong skills in scientific writing, genetics, statistics (R programming) and experimental design. Interest in Artificial Intelligence is a plus. She/he must have strong communication skills in spoken and written English. The candidate must be able to work with multidisciplinary teams in a multicultural and multinational environment.

The Reward: This is an Internationally Recruited Staff (IRS) position with competitive pay and benefits. The appointment is for three years.

How to Apply: Applicants should submit a letter of application explaining their suitability for and interest in the position along with a *curriculum vitae*, a recent passport size photograph, names and addresses (including telephone/fax/e-mail) of three referees, and date of availability to human.resources@worldveg.org before **15 April 2020**. Please mention the position title in the subject line.