Join Us – Make a Difference!

Postdoctoral Fellow - Plant Breeding

Food production needs to be expanded drastically to feed an ever growing human population. Salinity and drought are two environmental stresses that greatly depress agricultural production around the globe and it is estimated that around 20-30% of rice yield is lost in areas where these stresses are prevalent. To limit such losses, it is imperative that we develop rice varieties that are more resistant to these stresses, either through breeding or by using engineering. The main, overarching, project objectives are (I) to generate Philippine and Vietnamese elite rice varieties with increased salinity and drought tolerance and (II) to transfer expertise from UK to Philippines concerning state of the art biotechnology tools.

This position will introgress salinity and drought tolerance to targeted Philippines and Vietnamese popular and adapted rice varieties through marker assisted backcross breeding and phenotyping-based indices, and will do the field validation. He / She will liaise closely with teams of breeders, physiologists, molecular biologists and involve in recent advances on genome sequencing efforts to allow genome wide association studies (GWAS) for relatively fast screening of populations and genome editing techniques. The research will contribute to theme 1 and 2 of GRISP and flagship projects 4 and 5 of RICE CRP.

Qualification Requirements

- PhD in a Plant breeding, Genetics, Molecular Biology or relevant discipline with two (2) year of research experience on abiotic stress screening (preferably salinity and drought)
- Working knowledge of the molecular biology and plant physiology protocols
- Demonstrated ability to perform in a multidisciplinary and multicultural environment
- Excellent analytical skills
- Excellent organizational skills

Application process

For more information about the position and to submit application, please visit jobs.irri.org (go to search/visit the IRRI Job Board and look for this position). Closing date is on 24 October 2016. This position is based at IRRI Headquarters, Los Baños, Laguna, Philippines.

IRRI is an Equal Opportunity Employer that values diversity. Women and minorities are encouraged to apply.

Join Us to Deliver Rice Science for a Better World

International Rice Research Institute (IRRI) is seeking for talented candidates to work at its headquarters in Los Baños, Laguna, Philippines. Supported by the CGIAR, IRRI is a non-profit, publicly funded international organization engaged in the research and development of rice-related technologies for poor farmers. We provide world class facilities, highly competitive benefits, and gender-sensitive environment.