



Sowing the Seeds of Innovation: Helping to Feed the World



MAIZE MOLECULAR BREEDER

CIMMYT is an organization whose research brings hope to developing countries by addressing food and poverty issues. One of its scientists won the Nobel Peace Prize in 1970 and helped create the Green Revolution. We have changed the world before, and we plan to continue doing so!

The International Maize and Wheat Improvement Center (CIMMYT), is seeking an innovative, self-motivated, scientifically outstanding candidate for a Senior Scientist position to lead molecular breeding applications in maize. The position is initially available for two years with an opportunity to lead to a career path position for an outstanding scientist. The position will be initially based at CIMMYT's Main Campus located 45 km northeast of Mexico City, Mexico.

The Maize Molecular Breeder will prioritize and lead all marker-assisted germplasm enhancement applications in maize including assisting in the development of molecular breeding applications in CIMMYT regional programs across the world. The Genetic Resources Program comprises more than 20 scientists from a range of disciplines including germplasm conservation, genomics, transgenics, bioinformatics, interspecific hybridization, biometrics and germplasm enhancement who work in holistic trait-targeted teams including specialists in physiology, pathology, entomology, biotechnology and plant breeding based in the regional programs. Primary trait priorities in the regional maize breeding programs include drought tolerance, pest and disease resistance, grain quality and agronomic traits. The successful candidate will work in close coordination with the Wheat Molecular Breeder. For further information on this position, please contact: j.crouch@cgiar.org

We are seeking candidates with the following qualifications:

- Ph.D. degree in plant genetics, molecular biology and/or plant breeding with a minimum of five years post-doctorial experience in molecular breeding
- Familiarity with large-scale germplasm collections and field breeding programs and a strong background in quantitative and/or population genetics
- Ability to optimize high throughput low cost marker-assisted selection pipelines including experience with robotics, genetic analyzers and LIMS
- Skilled knowledge of SSR, SNP and gene-based marker development, validation and application
- Knowledge of drought tolerance physiology and component trait analysis of other complex agronomic traits
- Interest in international agricultural research and development
- Ability to work well as part of multidisciplinary decentralized teams
- Proficiency in spoken and written English language

Experience in any of the following areas would be considered an asset:

- Maize and/or other cereal breeding programs in NARS
- Molecular breeding simulation and decision support tools
- Decentralization and out-sourcing strategies
- Double haploid and other rapid crop improvement technologies
- Generating, testing and/or using GMO products in plant breeding programs
- Intellectual property and/or biosafety regulation management
- Applying biotechnologies in developing countries
- Quantitative phenotyping of a range of agronomic traits
- Biometric and bioinformatics analyses
- Donor relations and fund raising ability
- Private sector plant breeding and/or product development
- Proficiency in Spanish, French, Arabic and/or Mandarin

CIMMYT (www.cimmyt.cgiar.org) is an internationally funded, non-profit research and training organization affiliated with the Consultative Group on International Agricultural Research (CGIAR, www.cgiar.org) and has an annual budget of nearly US\$40 million. CIMMYT's mission is to help the poor in the developing world by increasing the productivity, profitability, and sustainability of maize- and wheat-based cropping systems while protecting natural resources. The Center is a global leader in scientific research and training related to maize and wheat, and in biotechnology, economics, and natural resource management research. These activities are conducted in partnership with national agricultural research systems, non-governmental organizations, and advanced research institutions, both public and private, in globally- and regionally-focused programs. CIMMYT employs a staff of 700 and operates in a decentralized, partnership mode, having staff in 14 countries, projects and partnership networks in many more.

Salaries of internationally recruited staff are paid in US dollars. Benefits include housing allowance, life and health insurance package, education allowance (from KG to Grade 12), annual medical examination, and shipping allowance. CIMMYT is an equal-opportunity employer and strives for staff diversity in gender and nationality. The CIMMYT campus has recreational and sports facilities and offers transportation to international schools in Mexico City. Good housing is available on and off campus.

Please send via e-mail your letter of application, CV/Resume (including full contact information), and names and contact information of three references to:

Human Resources Manager, (Reference 2005/05), CIMMYT,Int.
Apdo. Postal 6-641, México, D.F. 06600, MEXICO
Phone: (+52) 55-5804-2004 Fax: (+52) 55-5804-7558
Email: jobs-cimmyt@cgiar.org

We will accept applications until 31st August 2005.

For technical information regarding this position, please contact
Dr. Jonathan Crouch, Director, Genetic Resources Program, j.crouch@cgiar.org Tel: (+52)55-5804-1397