Senior Biometrician

The International Maize and Wheat Improvement Center (CIMMYT) seeks an experienced and innovative senior biometrician with expertise in genetic diversity analysis and excellent teaching skills to complement our team of biometricians analyzing data generated in Seeds of Discovery (SeeD) and related projects. The aim of SeeD is to unlock the genetic diversity within CIMMYT's and partner institutes' maize and wheat gene banks using latest generation DNA-sequencing technology linked to field trial data. You will take leadership in the area of genotypic data analysis using the latest DNA-sequencing molecular technology. In addition, you will take leadership in coordinating the continuing statistical education of CIMMYT and partner institute scientists.

The primary objectives of this position are to:
- Provide advice and lead analyses in to efficiently capture diversity from CIMMYT, Mexican and partner maize and wheat gene banks with a view to maximizing the probability of recovering rare alleles in exotic germplasm.
- Develop and implement a continuing education in statistics for CIMMYT and partner institution scientists.

The job will require that you:
- Perform diversity analyses for wheat and maize using phenotypic and genotyping-by-sequencing datasets.
- Link trait data from field trials to molecular data for association mapping and genome-wide trait prediction.
- Advise a team of quantitative geneticists, breeders, phenotypers, and PhD students on statistics.
- Assist in the development and implementation of a statistical training program for CIMMYT and partner scientists.
- Lead the continuing education of scientists in statistics at CIMMYT and collaborating organizations.
- Publish results in scientific articles.

We are seeking candidates with the following qualifications:
- A PhD in statistics, biometrics, or biometrical genetics with a minimum of four (preferably more) years of post-doctoral experience in a relevant field. The level of appointment will depend on the candidate's experience and skills.
- Excellent statistical computing skills, including proficiency in R, SAS, ASReml, and GenStat.
- A good understanding of quantitative and population genetics.
- Experience in teaching applied statistics.
- Excellent written and verbal communication skills in English. Spanish is advantageous.

The International Maize and Wheat Improvement Center, known by its Spanish acronym, CIMMYT® (www.cimmyt.org), is a not-for-profit research and training organization with partners in over 100 countries. The center works to sustainably increase the productivity of maize and wheat systems and thus ensure global food security and reduce poverty. The center's outputs and services include improved maize and wheat varieties and cropping systems, the conservation of maize and wheat genetic resources, and capacity building. CIMMYT belongs to and is funded by the Consultative Group on International Agricultural Research (CGIAR) (www.cgiar.org) and also receives support from national governments, foundations, development banks, and other public and private agencies.

CIMMYT has had enormous impact in the developing world. It is the center of excellence for work on two of the three most important food crops in the developing world. Its most famous employee, Dr. Norman Borlaug, is credited by many with saving more lives than any other individual in the history of the world. Borlaug's work dramatically increased yields of wheat in the Indo-Gangetic plains in the 1960s and 1970s, staving off starvation for hundreds of millions. For this work, Borlaug received the Nobel Prize in 1970. Scores of other CIMMYT efforts have saved or enriched millions of lives, from releasing disease-resistant varieties and varieties resistant to drought and heat and soil deficiencies, to dispersing techniques to reduce farmer costs and post-harvest losses. In developing countries, wheat varieties developed by CIMMYT and its partners cover 75% of the area planted to modern wheat varieties.

CIMMYT offers an attractive remuneration package paid in US dollars, with a range of benefits including housing allowance, life and health insurance, education allowance (for pre-school, elementary, secondary, and other pre-university grade levels), home leave, retirement fund, and relocation shipping assistance.

CIMMYT is an equal-opportunity employer and strives for staff diversity in gender and nationality.

Apply online no later than **April 15th, 2012.**
At www.cimmyt.org, click on "About us – Job Opportunities- Position" -2012-07. Please complete the online application, including your cover letter, competencies and experience for the position, and a detailed CV/resume.
For further information, contact Dr. KY L Mathews, Senior Scientist-Biometrics, K.Mathews@cgiar.org or the Human Resources Office, jobs-cimmyt@cgiar.org.
Please note that only short-listed candidates will be contacted.