Cereal Chemist

The International Maize and Wheat Improvement Center, known by its Spanish acronym, CIMMYT®, is a not-for-profit agricultural research for development organization with partners in over 100 countries. Please refer to our website for more information: www.cimmyt.org

CIMMYT is seeking a dynamic, self-motivated, and service-oriented professional for the position of Cereal Chemist to work in the Global Wheat Program (GWP).

The position is based at CIMMYT’s campus in Texcoco, State of Mexico, located 45 km northeast of Mexico City, Mexico.

Specific duties:

→ Supervision and organization of the Wheat Chemistry and Quality laboratory
→ Contribute to all aspects of bread and durum wheat quality breeding; contribute to collaborative research focused on grain quality at CIMMYT and other institutions and breeding programs.
→ Develop and improve methods to efficiently evaluate wheat grain compositional factors affecting processing, end-use, nutritional quality and health related factors of wheat germplasm for a wide range of wheat products.
→ Characterize parental lines and other types of wheat germplasm for their quality and nutritional characteristics and identify novel sources for distinct applications, using the most efficient screening methods based on chemical, electrophoretic or molecular analysis
→ Contribute to research activities leading to knowledge gain in relation to genotypic, environmental, and crop management effect on grain quality and quality stability
→ Availability to travel in Mexico (Obregon research station) and to other countries to support national programs.

Required academic qualifications, skills and attitudes:

→ PhD Degree in Cereal Chemistry or related areas.
→ Experience in addressing quality of cereals, preferable related to the genetic improvement of wheat grain composition.
→ Knowledge in genetics and plant breeding (including molecular approaches) and activities in collaborative research projects will be added advantages.
→ Knowledge of the genetic control of traits related to quality characteristics such as grain hardness, protein and starch composition, and enzymatic complexes that influence processing quality.
→ Experience in handling techniques such as spectroscopy, electrophoresis, dough rheology, food processing (bread and cookie making, etc.), and wheat quality-related laboratory protocols.
→ The ability to use high-throughput quality testing methodologies to support the needs of a breeding program that handles two crop cycles a year.
→ Demonstrated ability to work collegially and collaboratively in diverse, multicultural partnerships.
→ Fluency in English and an acceptable knowledge of Spanish or willingness to learn it
→ Proficiency to use standard software at an advanced level (Microsoft Word, Excel and Power point).
→ The selected candidate must exhibit the following competencies: Communication, Innovation and Creativity, Time Management, Teamwork. Multi-Cultural Awareness/ Sensitivity and Achievement Orientation.

The position is for an initial fixed-term for three (3) years, after which further employment is subject to performance and the continued availability of funds. CIMMYT’s internationally competitive salary and benefits include housing allowance, comprehensive health and life insurance, assistance for children’s education, paid vacation, annual airfare, contribution to a retirement plan, and generous assistance with relocation shipment.

Candidates must apply online to IRS18135 Cereal Chemist. Screening and follow up will begin on Friday, November 30, 2018. Applications must include a CV and a letter of interest. Incomplete applications will not be taken into consideration. For further information on the selection process, please contact Yessica Castillo (y.castillo@cgiar.org)

Please note that only short-listed candidates will be contacted.

This position will remain open until filled.

CIMMYT is an equal opportunity employer. It fosters a multicultural work environment that values gender equality, teamwork, and respect for diversity. Women are encouraged to apply.