

ANNOUNCEMENT OF POSITION OPENINGS IN CORPOICA
Position Announcement No. A-572018

Researcher in statistics with emphasis on agricultural sector

The Colombian Corporation for Agricultural Research (CORPOICA, from its name in Spanish, <http://www.corpoica.org.co>) is a joint public-private, decentralized, not-for-profit institution of scientific and technical nature. The Corporation's purpose is generating scientific knowledge and developing agricultural technologies through research, technology adaptation and transfer, and technical assistance for improving production competitiveness, equitable distribution of the benefits of technology, and sustainable use of natural resources; strengthening Colombia's scientific and technological capacities; and contributing to improving the population's quality of life.

Corpoica has 13 research centers located in the country's different agricultural regions. These centers carry out research in vegetables, fruits, permanent crops, transitory crops, roots and tubers, cacao, and livestock (cattle and minor species).

As a research, development and innovation institution in Colombia's agricultural sector, Corpoica, seeks to strengthen the biostatistics area including the processing of large amounts of data to perform comprehensive analyses and develop work tools and analyses as models for predicting, simulating and optimizing productive systems, and assessing socioeconomic impact of technologies generated by the Corporation

JOB DESCRIPTION

CORPOICA is seeking a highly motivated and experienced researcher will advocate statistical principles, working collaboratively with scientists of different knowledge areas to provide appropriate statistical advice and carry out mega-analysis of the Corporation's historic data, with the objective of identifying opportunities and greater understanding of tendencies observed in the data.

KEY RESPONSIBILITIES

- Participate actively with the researchers during planning, execution and analysis of the data obtained by research and development projects.
- Develop new algorithms and statistical solutions to analyze large data sets and solve complex biological problems.
- Develop computer and data management strategies that guarantee the availability of data and facilitate problem solving and knowledge generation in response to requirements coming from researchers working to come up with solutions for the country's different production chains.
- Interact creatively with mathematical modelers to implement simulation models of production systems.
- Interact with researchers whose objective is developing mathematical models to facilitate access to and interpretation of data stored in Corpoica's information system.
- Provide advice to the biostatistics group, which supports the Corporation's researchers in the analysis of experimental designs.

- Contribute to the use of Corpoica's information system of field trial and laboratory notebooks.
- Lead training processes in statistics to strengthen capacities of Corpoica's researchers.
- Serve as an internal peer in advising, reviewing and giving written concepts on projects, final reports and publications submitted for his/her consideration.
- Serve as mentor and supervise junior researchers and students participating in corporate dynamics.
- Establish effective liaison with national and international scientific communities, and with private sector agencies.
- Prepare reports and publications in national and international peer-reviewed journals in the field of research projects or activities in which he/she participates as executor or co-executor.
- Participate in events having to do with liaison or dissemination of research highlights among technical assistants and agencies in the field related to territorial innovation nuclei.

QUALIFICATIONS

- PhD in genetics/statistics
- Expertise in using bioinformatics and developing tools for data capture, use, analysis and modeling.
- Expertise applying these skills in at least one area related to the fields of genetics, agricultural production systems, or structuring and analysis of large volumes of data.
- Fluency in English and sufficient knowledge of Spanish to enable communicating with staff in carrying out research activities.
- Ability to work in a team and provide guidance to different research teams.
- Proven ability in preparing research proposals.

TERMS OF OFFICE

This is a permanent position; Salary commensurate with experience and qualifications (with a minimum of \$9.634.500 Colombian Currency, monthly) which is competitive for Colombian standards. The position will be based in Central Office located at 14 km from Bogotá city.

APPLICATION PROCESS

Candidates interested in the position should apply online by Corpoica's website or by the following link: <http://empleo.corpoica.org.co:8082/Inicio/VerTodasEM> please register your data and attach the following documents:

- Updated Curriculum Vitae including list of publications, working experience, a brief description
- of your most relevant research results, and professional references with contact information.
- Cover letter highlighting experience that qualifies you for the position.
- Copy of your diploma.
- Other documents required for the application.