



The **Bioinformatics and Complex Networks (B&CN) Laboratory**, at CINVESTAV Irapuato invites applications for the position:

**Research Associate for a 2-year position**  
**Deadline for applications: January 20, 2025**

The **B&CN Lab** is a multidisciplinary group formed by computer scientists, mathematicians, biologists, biotechnologists, engineers and social scientists interested in studying several topics in Biology, such as: evolution, microbial community assembly, metagenomics, horizontal gene transfer, comparative genomics, plant-pathogen interactions, sustainability; as well as in Computer Science such as: Data Science, Deep Learning, Complex Networks, Algorithm Design, Human Behavior, among others.

The researcher will perform projects in an interdisciplinary environment and will interact with students of our Integrative Biology and Biology & Biotechnology graduate programs. CINVESTAV offers an international environment and opportunities for international collaborations, as well as a competitive salary and benefits.

**Requirements:**

- Doctoral degree in Computer Science, Mathematics, Bioinformatics, Biotechnology, Biology, or related fields.
- Experience in writing scientific articles.
- Advanced programming skills.
- Capacity to formulate and solve research problems and interpret research results.
- Ability to work independently and to advise students.
- Motivation to interact with colleagues in an interdisciplinary setting.
- Fluency in written and spoken English.
- Experience with graph theory, evolution, algorithm design, data science, grant application, as well as the use of technologies for big data, such as Spark, duckDB, NextFlow **is a plus**.

**How to apply:**

- A cover letter stating the candidate's interests and experience in the above-mentioned areas of interests, as well as motivation to join the B&CN group and the institution.
- A CV including information about former academic education and degrees, professional experience, publications, fellowships/awards, conference contributions, languages and further relevant skills and abilities.
- PhD thesis abstract.
- Two references (full name, affiliation, email & phone number)
- The application containing all documents should be sent as one PDF file to the head of the **B&CN Lab** Dr Maribel Hernández-Rosales ([maribel.hr@cinvestav.mx](mailto:maribel.hr@cinvestav.mx)), who can also be contacted informally for questions.