

Join Our Team - Postdoctoral Position in **RNA Bioinformatics**

Are you passionate about unraveling the secrets of RNA and deciphering their functional structures? Do you have a strong background in bioinformatics and a burning curiosity to explore the dynamic world of RNA molecules? If so, we invite you to embark on an exciting research journey with us!

About Us:

At the Computational Biology Research and Analytics (COBRA) Lab at the University of Alberta, we are at the forefront of cutting-edge RNA research. In collaboration with Dr. Lara Mahal (Professor of Chemistry and Canada Excellence Research Chair in Glycomics) we are seeking a highly motivated and talented postdoctoral researcher to join our team of passionate scientists. Our mission is to advance our understanding of RNA biology and its implications in various biological processes.

Position Overview:

- **Position**: Postdoctoral Researcher in RNA Bioinformatics
- **Location**: Edmonton, Alberta
- **Duration**: One year with possibility of extension
- **Start Date**: As soon as possible

Responsibilities:

As a Postdoctoral Researcher in RNA Bioinformatics, you will:

- Investigate and analyze RNA sequences to predict and determine functional RNA structures.
- Develop and apply state-of-the-art bioinformatics tools and techniques to elucidate RNA folding dynamics.
- Collaborate with a multidisciplinary team of researchers to integrate computational and experimental data.
- Contribute to the development of novel algorithms and methodologies in RNA bioinformatics.
- Publish research findings in high-impact scientific journals.
- Mentor and collaborate with graduate students and research assistants.

Qualifications:

- Ph.D. in Computer Science, Bioinformatics, Computational Biology, or a related field.
- Strong background in RNA bioinformatics and computational biology.
- Proficiency in programming languages such as Python, R, C/C++ and familiarity with relevant software tools.
- Experience in RNA structure prediction, and machine learning is highly desirable.
- Excellent communication and teamwork skills.
- A strong publication record demonstrating research productivity.




Why Join Us?

- Work in a dynamic and collaborative research environment.
- Access cutting-edge technology and resources for your research.
- Opportunities for career development and networking.
- Competitive salary and benefits package (**\$70,000** per annum).

How to Apply:

Interested candidates should submit the following application materials to Dr. Hosna Jabbari, Director of COBRA Lab at jabbari@ualberta.ca:

- Cover letter detailing your research interests and career goals.
- Updated CV with a list of publications.
- Contact information for three references.

 **Application Deadline:** Applications will be reviewed as received until the position is filled. Only candidates selected for an interview will be contacted.

Join us in unraveling the mysteries of RNA and making a significant impact in the field of molecular biology. Apply today and become an integral part of our innovative research team!



Computational Biology Research and Analytics (COBRA) Lab
Department of Biomedical Engineering
University of Alberta