

Competition Details

Bioinformatician

Department of Biological Sciences

Competition No. - **S10037051**
Posting Date - **Nov 18, 2008**
Closing Date - **Dec 19 2008**

Position Type - **Full Time - Grant Funded**
Salary range - **\$3,272 to \$4,104 per month**
Grade - **07**
Hours - **35 per wk**

This position is posted on the University of Alberta careers website (<http://www.careers.ualberta.ca/Support/CompetitionDetails.aspx?key=4190>).

This position offers a comprehensive benefits package which can be viewed at: www.hrs.ualberta.ca/AllStaff.aspx and ends December 31, 2009.

This position was previously advertised in June 2008 under Competition No. S10035335; if you've already applied there is no need to re-submit your application.

Duties

- Develops and curates databases and data analysis pipelines for population genomics (involving databases, data mining, statistical data analysis and data presentation)
- Develops, implements and administers a sample-centric database for laboratory information management ,as well as a SNP pipeline
- Analyzes microarray data generated by fellow lab members using published methods of data pretreatment, data quality control/quality assessment and statistical analysis
- Carries out tertiary analysis of microarray data sets aimed at visualization of results using published methods
- Develops, implements and/or administers bioinformatic tools for examination/query of large data sets
- Maintains files and data repository on lab server and departmental server
- Selects programs for data manipulation; installs and upgrades programs as required

Qualifications

- Diploma is required; Bachelor of Science degree with specialization in Bioinformatics is preferred
- Experience in constructing relational databases and web-based applications required
- Extensive experience with Unix/Linux operating systems essential
- Experience in manipulating large data sets, gene sequence analysis and statistical analysis of microarray data sets essential
- Demonstrated knowledge of Java, Perl, and BioPerl required; knowledge of R, Ruby on Rails, MySQL, PostgreSQL and Oracle preferred
- Basic understanding of allelic variation and population genetics, microarray experimentation and RNA preparation preferred

How to Apply

Note: Online applications are accepted until midnight MST of the closing date.

Applications may be forwarded to:

Mail - Matthew Bryman - Department of Biological Science
CW405 Biological Sciences Building
University of Alberta
Edmonton, Alberta T6G 2E9

Email - mbryman@ualberta.ca

Fax - (780) 492-9234

** Please reference Competition No. S10037051 on your application. **

Please Note:

Applicants being considered will generally be contacted within 3-4 weeks of the deadline date. Those not contacted are thanked for their interest and encouraged to apply for future positions advertised by the University.

The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Aboriginal persons.

The records arising from this competition will be managed in accordance with provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPP).