



POSITION DESCRIPTION

Job Title:	Biostatistician
Organisation Unit:	Queensland Facility for Advanced Bioinformatics (QFAB) - Institute for Molecular Bioscience
Reference Number:	3020437
Type of Employment:	2 years, Full-time, Fixed term
Classification:	Academic Research Level A or Level B, remuneration will commensurate with qualifications and experience
Remuneration:	<p>Gross salary package from \$58,153- \$78,881 (Academic Level A) or \$83,033 - \$98,602. (Academic Level B)per annum</p> <p>A salary package consisting of: Salary range from \$49,704– \$67,420 p.a. (Academic Level A) or \$68,239 - \$81,034.08 p.a. (Academic Level B), plus employer superannuation of up to 17%.</p> <p>Appointments on a short term contract basis qualify for 9% of employer contribution.</p> <p>For staff entitled to 17% employer contributions, UniSuper does not mandate a level of member contribution to superannuation. However, in order to receive the full standard range of benefits under UniSuper, the member must pay 7% contribution from their salary (or a salary sacrifice equivalent contribution of 8.25%). It will be assumed that a 7% member contribution will apply unless the member formally notifies UniSuper of a decision to pay a lesser member contribution (or no member contribution).</p> <p>Other options for salary sacrifice include a motor vehicle, laptop computer, campus car parking and "in-house" benefits</p>
Closing Date:	4 May 2009
Further Information:	Mr Jeremy Barker, CEO QFAB Ph: (07) 334 62611 or E: j.barker@qfab.org

BACKGROUND

Organisational Environment

The Institute for Molecular Bioscience is a national research and development initiative at the University of Queensland. The IMB is staffed by a multidisciplinary team of approximately 380 research scientists and students working in research divisions encompassing genomics and bioinformatics, genetics and developmental biology, cell biology, structural biology, biochemistry and molecular design.

The Queensland Facility for Advanced Bioinformatics (QFAB) is a leading facility with the commitment to help life science researchers unlock the full value of their research data through the application of bioinformatics. It delivers advanced bioinformatics solutions to enable the global efforts of biotechnology, research biology, drug discovery and translational medicine. QFAB is a State Government funded collaboration between the University of Queensland, eHealth Research Centre, Queensland University of Technology, Griffith University, Queensland Department of Primary Industries & Fisheries and Queensland Cyber Infrastructure Foundation.

For information on QFAB activities please refer to <http://qfab.org>. Details of the research interests of the Institute may be accessed on the Institute's web site at <http://www.imb.uq.edu.au>

Information for Prospective Staff

Information about the University, State of Queensland, living in Brisbane and employment at the University is at the University's web site. (<http://www.uq.edu.au/staff>)

The University of Queensland Enterprise Agreement (Academic Staff) outlines the position classification standards for Levels A to E.

For a comprehensive guide to family friendly work practices and services visit the Work and Family web site at <http://www.uq.edu.au/equity/index.html?page=11661>

Further information about the Faculty and the School may be accessed on the Faculty's web site at [http://www.uq.edu/academic discipline](http://www.uq.edu/academic%20discipline).

DUTY STATEMENT

Primary Purpose of Position

We seek someone who can work at the interface of molecular biology and the information sciences to increase the insights obtainable from high-throughput measurement platforms in biology such as microarrays, genome-wide analysis and proteomics profiles. This position offers an outstanding opportunity to work with leading researchers and contribute to cutting-edge research projects in the biological, environmental and medical sciences.

The types of analysis include but are not limited to:

- Biological pathways and networks modelling
 - Gene expression analysis
 - Experimental design
 - Sequence analysis
 - Analysis, mining and modelling of experimental data
 - Genome wide association studies
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Duties

Duties and responsibilities include, but are not limited to:

- Conduct, manage and lead research consistent with QFAB's strategic plan
- Conduct sound and appropriate quantitative analysis of biological data in research and customer projects
- Develop computational models that describe complex molecular processes that take place in the living cell
- Develop workflows to facilitate how research biologists interact with the data
- Publish results in high impact journals and conferences
- Maintain accurate project management records and documentation
- Supervise and mentor Honours and graduate students
- Assist with the preparation of grant applications

Other

- Comply with the University's Code of Conduct (see the University's web site at <http://www.uq.edu.au/staff/employment/>)
- Comply with requirements of Queensland occupational health and safety (OH&S) legislation and related OH&S responsibilities and procedures developed by the University or School.

Reporting Relationships

The position reports to the Technical Manager, QFAB

SELECTION CRITERIA

Qualifications

Essential

- PhD in Mathematics/Statistics
- or
- PhD in computer science, bioinformatics or a related field of research with demonstrated experience as a biostatistician

Desirable

- University-level training in biology such as cell biology, molecular biology or genetics

Knowledge, Skills and Experience

Essential

- Demonstrated expertise in the use of R and Bioconductor
 - Excellent knowledge of at least one relevant programming and/or scripting language, e.g. Java, C++, Perl or Python
 - Demonstrated expertise in analysing biological data, particularly from high throughput platforms such as gene expression and SNP microarrays, parallel sequencing, proteomics and metabolomics
 - Demonstrated understanding of biological processes, themes and their interpretation in various molecular biology settings
 - Excellent oral and written communication skills
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Desirable

- Tertiary training in Molecular biology or cell biology
- Familiarity with Linux/Unix computer environments
- Development of scientific workflows
- Knowledge of relevant biological databases
- Development of web services

Personal Qualities

Essential

- Ability to work collaboratively with colleagues, including experienced researchers
 - Proactive in your approach to work, able to seek out answers and to work with minimal supervision
 - Self starter – motivated, uses initiative, enthusiastic
 - Team player
 - Innovative thinker
 - Attentive to detail
 - Capacity to learn new skills and embrace novel ideas
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APPLICATION

Applications must consist of the following:

1. Covering Letter. The covering letter should include the vacancy reference number, your contact address and telephone number. It is an opportunity in not more than one page to introduce yourself and highlight the key reasons for your interest in the position.
2. Resume or Curriculum Vitae. A resume is a brief history of your employment and experience that covers the following areas:
 - Educational qualifications and professional affiliations that detail the full title of the qualification, the year awarded and the title of the institution attended;
 - Employment history in chronological order, starting with current position and specifying dates of employment, title of each position, name of employer, main duties or accountabilities and achievements; and
 - The names and contact details (address, telephone, fax and e-mail) of three referees, including if possible a senior person (preferably your supervisor or the head of your organisational unit) closely associated with your current work.
3. Selection Criteria. A statement addressing how each of the selection criteria have been met is required to assist the Selection Committee determine whether you have the relevant qualifications, knowledge/skills, experience and personal qualities.

Applications are to be sent to:

Human Resources Consultant

Institute for Molecular Bioscience

The University of Queensland

Brisbane QLD 4072

Or email: applications@imb.uq.edu.au

Please note:

- Applications should be typed;
- Do not send applications that are bound or enclosed in plastic or manilla folders;
- Simply staple the application at the top left hand corner; and
- Retain a copy for your reference because the University does not return copies to applicants.

SELECTION PROCESS

A Selection Committee will consider all applications and shortlist candidates for interview who appear to meet the selection criteria at the highest levels. They will be invited to attend an interview and the remaining unsuccessful applicants will be notified accordingly.

An invitation to attend an interview provides an opportunity to provide further information to the Selection Committee to substantiate your claims against the selection criteria or demonstrate your capabilities. Please note that for some positions interviews may be conducted by teleconference in the first instance.

The Selection Committee will subsequently seek referee reports, if not sought prior to interview, before making a decision to make an offer of appointment to the preferred candidate. The purpose of referee checks is to obtain, in confidence, factual information about your past work history, as well as opinions regarding the quality of your work, behaviour in the work place and suitability for the position. Referee reports may be sought orally, or for academic staff, in writing by post or e-mail.

Referees should normally include current supervisors or and/or managers. A referee must be able to comment on your work experience, skills and performance with respect to the selection criteria. Referee checks conducted after the interview process can sometimes delay notification of the successful candidate and other interviewees.

If you are the preferred candidate, you will receive a written offer of appointment to the position. Do not take any action, such as resigning from your current position, before you receive a written offer of appointment.

The University of Queensland is an equal opportunity employer.

Smoking is prohibited in all University buildings.