POSITION DESCRIPTION

POSITION TITLE:    Biostatistician
CLASSIFICATION:   SO4
Department:       Population Health

POSITION OBJECTIVES
The Biostatistician provides high quality statistical advice to researchers at QIMR. The Biostatistician is a statistical consultant and also collaborates in research with scientists and clinicians at QIMR.

ORGANISATION CONTEXT
QIMR is a statutory body under the QIMR Act (1945). The mission of QIMR is to promote the wellbeing of humankind through medical research, to maintain within the State of Queensland an internationally recognised Centre for Medical Research, to develop that Centre as the primary focus of Medical Research within the State and to co-operate with, and where possible assist the work of other medical research establishments within the State and throughout the world.

REPORTING STRUCTURE
This position reports directly to the Senior Biostatistician, QIMR/RBWH Statistics Unit.

PRIMARY RESPONSIBILITIES
- Provide statistical consultancy to clinicians, scientists and research students at QIMR. This role includes:
  - one-to-one discussion with clients
  - development and delivery of training courses in methods and practice of statistics
  - development of statistical resources for clients
  - development of statistical methods.
- Collaborate on medical and public health research projects with QIMR clinicians and scientists where expert statistical knowledge is integral to the project
- Provide specialist statistical support for at least one area of major application to medical and public health research.
- Provide statistical review prior to submission for manuscripts and grant applications as requested across QIMR.
- Provide statistical advice as requested to various QIMR committees, including the Human Research Ethics Committee, Animal Ethics Committee and the Clinical Trials Protocol Committee
- Perform duties as an independent statistician, with limited direction as to work priorities.
- Coordinate the development and delivery of statistical training programs for QIMR staff and students.
- Ensure work practices comply with the requirements of the Workplace Health and Safety Act, related legislative requirements and the Institute’s OH&S policies and procedures.

KEY SELECTION CRITERIA (Qualifications, Experience, Skills and Abilities)

**Essential**
- Tertiary qualifications at Bachelor or Masters level in biostatistics or a related quantitative discipline.
- Demonstrated knowledge of statistical techniques and procedures applicable to medical and public health research.
- Experience in statistical consultancy and collaborative research with peer-reviewed publications.
- Specialist knowledge and experience in at least one of the following areas: statistical genetics, epidemiology, clinical trials, multivariate methods, database design and management, mathematical statistics, psychometrics, econometrics or numerically intensive methods.
- Good written and oral communication skills, including ability to communicate statistical concepts to scientists and clinicians.
- Experience with use of statistical packages such as SPSS, SAS and/or STATA for analyses and data management packages such as Excel and Access.

**Desirable**
- Previous experience in a medical or public health research setting.
- Demonstrated ability to work independently and as a member of a professional team.
- Familiarity with the Australian code for the responsible conduct of research.

**POSITION LOCATION**
The position is located at the Herston site of the Queensland Institute of Medical Research.