Position Description

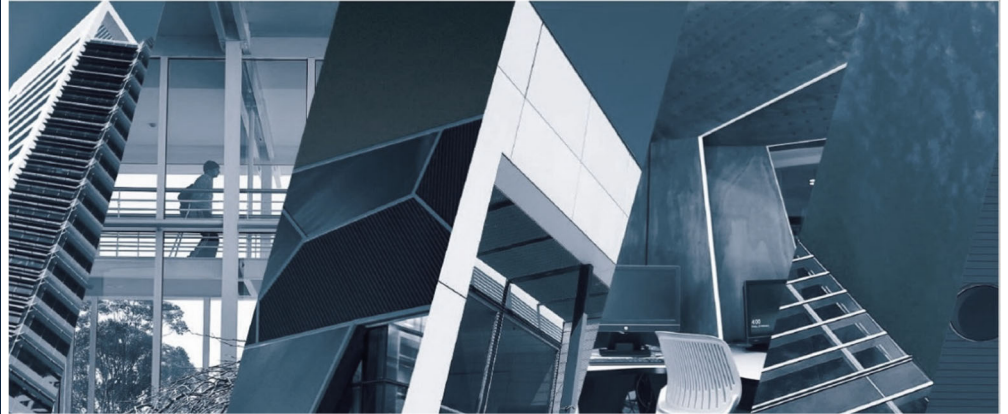|	
Position title:	Centre Statistician/Bioinformatician
School/Directorate/VCO:	Health Innovation and Transformation Centre / Office of the Deputy Vice Chancellor (Research and Innovation)
Campus:	To be negotiated between the Gippsland, Berwick or Ballarat based campuses. Travel between campuses may be required.
Classification:	Academic Level B
Time fraction:	Full time preferable but part time may be considered.
Employment mode:	Fixed-term employment
Probationary period:	This appointment is offered subject to the successful completion of a probationary period.
Further information from:	Professor Fadi Charchar, Dean, Graduate Research School Telephone: (03) 5327 6098 E-mail: f.charchar@federation.edu.au
Recruitment number:	849964

Background

At Federation University, we are driven to make a real difference to the lives of every student, and to the communities we serve.

We are one of Australia's oldest universities, known today for our modern approach to teaching and learning. For 150 years, we have been reaching out to new communities, steadily building a generation of independent thinkers united in the knowledge that they are greater together.

Across our university and TAFE campuses in Ballarat, Berwick, Brisbane, Gippsland, and the Wimmera, we deliver world-class education and facilities. With the largest network of campuses across Victoria, as well as a growing Brisbane base, we are uniquely positioned to provide pathways from vocational education and skills training at Federation TAFE through to higher education.

This position description is agreed to by

Employee name	Signature	Date

Portfolio

The Health Innovation and Transformation Centre involves over fifty dynamic Federation University researchers from different disciplines and different career stages, in addition to national and international collaborators. The overall Centre vision is to:

- improve the health and wellbeing of regional and rural populations, by answering complex health and health care global questions along the lifespan; and

- to translate basic and applied research in order to understand the distinct mechanisms of disease and individual responses to treatment, ensuring the right care, in the right place, at the right time.

Position summary

Appropriate to a Level B appointment, the Centre Statistician/Bioinformatician will primarily assist the Centre research staff and contribute to cutting-edge research projects in the biological, mental and public health sciences.

The Centre Statistician/Bioinformatician will also work closely with the Centre members, and report to the Dean, Graduate Research School.

The Centre Statistician/Bioinformatician is required to work in collaboration with Scientists, clinicians and other health professionals, and actively contribute to multiple 'Health Innovation and Transformation' projects. This role also involves occasional travel to other Federation University campuses.

Key responsibilities

1. Provide substantial input and expertise in the design and analysis of biological, mental and public health projects.

2. Perform analysis of high-throughput datasets, including multi-omics analysis and report on findings and recommendations.

3. Design and implement biostatistics solutions to solve complex data science problems.

4. Effectively communicate progress and outcomes through various mediums, reports and published research findings to researchers.

5. Contribute to the reporting of research results via reports, posters, papers and presentations at local and national levels.

6. Build internal and external relationships and work collaboratively in supporting researchers by providing necessary biostatistics support and data required to meet their research aims.

7. Substantially contribute to the development of project funding proposals (Category 1-4) with Centre researchers in order to develop and maintain the Centre's platforms' program of works.

8. Actively participate in research team/project meetings and other meetings as required.

9. Contribute to the writing of grants and the development, delivery and assessment of training initiatives.

10. Work collaboratively in assisting the supervision of students in relevant projects.

11. Other responsibilities applicable to a Level B academic under current minimum standards for Academic Levels, as assigned by the Dean, Graduate Research School.

12. Reflect and embed the University's strategic purpose, priorities and goals when exercising the responsibilities of this position. For a more complete understanding and further information please access the Strategic Plan at: https://federation.edu.au/about-us/our-university/strategic-plan.

13. Undertake the responsibilities of the position adhering to:

    - The Staff and Child Safe Codes of Conduct and Conflict of Interest Policy and Procedure;

    - Equal Opportunity and anti-discrimination legislation and requirements;

    - the requirements for the inclusion of people with disabilities in work and study;

    - Occupational Health and Safety (OH&S) legislation and requirements; and

    - Public Records Office of Victoria (PROV) legislation.

Level of responsibility

The Centre Statistician/Bioinformatician will report to and receive broad direction from the Dean, Graduate Research School and will be required to assist in facilitating smooth and rapid communications and operations between the internal Centre teams, industry partner teams as well as liaise with subcontractors. The position will further be required to conduct exploratory statistical analysis and data mining, provide statistical support to Centre researchers for basic and high-level aspects of their research, undertake experimental and clinical trial design and analysis and analysis and interpretation of high-dimensional biological data.

Training and qualifications

The Centre Statistician/Bioinformatician will hold a masters degree in statistics or closely related quantitative discipline with significant experience as a biostatistician, together with research and/or professional experience in providing statistical expertise in biological, mental and/or public health science areas. A PhD is desirable.

Position and Organisational relationships

The Position location is negotiable between our Berwick, Gippsland or Ballarat-based campuses. The Centre Statistician/Bioinformatician reports to and works under the broad direction of the Dean, Graduate Research School. This position supports the Centre's Strategic Intent, particularly in the area of research and industry collaboration. Additionally, it supports the University's strategic direction through community engagement and knowledge transfer.

The Centre Statistician/Bioinformatician will assist in establishing and maintaining productive working relationships with a broad and diverse range of Centre partners to ensure they meet research project objectives, partner and stakeholder needs.

The Centre Statistician/Bioinformatician will work closely with the Centre Leadership team, the Centre's Research Associate and Senior Research Fellow primarily, as well as with all Centre members.

Key selection criteria

Applicants must demonstrate they are able to undertake the inherent responsibilities of the position as contained in the position description and are able to meet the following key selection criteria:

1. Completion of a Masters in statistics or closely related quantitative discipline. A PhD is desirable.
2. Demonstrated expert knowledge in the area of medical biostatistics in relation to clinical and health services research including design and analysis of clinical trials and longitudinal datasets.
3. Demonstrated expertise in statistical analysis of biological data, particularly from high throughput platforms such as microarrays, sequencing, proteomics and metabolomics profiling.
4. Demonstrated expertise in the use of R, SPSS or other statistical environments.
5. Demonstrated ability to work in a multidisciplinary team, collaborate effectively and engage with diverse stakeholders and industry partners.
6. Demonstrated problem-solving skills and analytical skills.
7. Demonstrated verbal and written communication skills including writing grants and publishing research, for effective research collaboration and engagement.
8. Ability to work independently, with minimal supervision, and collaboratively within a team structure.
9. Demonstrated prioritisation and time management skills, and ability to meet deadlines with close attention to detail.
10. Demonstrated alignment with the University's commitment to child safety.

The University reserves the right to invite applications and to make no appointment.

It is not the intention of the position description to limit the scope or accountabilities of the position but to highlight the most important aspects of the position. The aspects mentioned above may be altered in accordance with the changing requirements of the role.

Key Minimum Standards for Academic Levels (MSALs)

Teaching and research academic staff

Level B

A Level B research academic will normally have experience in research or scholarly activities which have resulted in publications in refereed journals or other demonstrated scholarly activities.

A Level B research academic will carry out independent and/or team research. A Level B research academic may supervise postgraduate research students or projects and be involved in research training.

The standards are not exhaustive of all tasks in academic employment, which is by its nature multi-skilled and involves an overlap of duties between levels.

Federation University Australia
Union Collective Agreement
2019–2021
Academic and General Staff Employees