Position Title: Research Associate
Position Classification: Level A
Position Number: 315119
Faculty/Office: Health and Medical Services
School/Division: Center for Medical Research
Centre/Section: Harry Perkins Institute of Medial Research
Supervisor Title: Professor
Supervisor Position Number: 313281

Your work area
This position is part of the UWA Centre for Medical Research with the Faculty of Health and Medical Sciences, bases at Harry Perkins Institute of Medical Research (Perkins) in Nedlands. The Centre has significant links across the Western Australia health sector and provides teaching to undergraduate and postgraduate students across the medical disciplines. A core priority is medical and clinical research and a number of substantial research groups are based in the Centre's laboratories.

Your role
The appointee, under regular supervision, will perform experiments involving single cell analysis of tumours. In addition, this position will also involve extensive molecular biology protocols and bioinformatics analysis of genome-wide datasets. This position will provide the opportunity to learn a wide variety of methods in biochemistry, cell and molecular biology and bioinformatics.

Key responsibilities
- Design and perform a wide variety of research laboratory tasks and experiments, making detailed observations, analysing data, and interpreting results with the help of supervisors.
- Write reports, summaries, and protocols regarding experiments, as well as draft manuscripts for publication in scientific journals including generating the text and publication quality figures.
- Perform troubleshooting of experiments performed by those under their direct supervision.
- Supervising students and research assistants
- Other duties as directed.

Your specific work capabilities (selection criteria)

Essential
- A PhD or equivalent in molecular biology, genomics, systems biology, cell biology or similar field.
- Experience in generating and analysing next generation sequencing datasets.
- Published articles using next generation sequencing data.
- Demonstrated capacity to form hypotheses, test them and follow through to write papers.
- Ability to work independently, with minimal supervision and as part of a team.
- Well-developed organisational skills and the ability to meet deadlines.
- The ability to supervise research assistants and students.
- Well-developed written and verbal communication skills.
- Competency in a range of computing skills including word processing, spread-sheets, and databases.

Desirable
- Experience with analysis of single cell datasets
- Experience with tissue dissociation
- Experience with flow cytometry
- Experience with preparing human ethics, GMO and other regulatory documents
- Experience with handling human samples
- Strong background in any area of cancer biology
- Experience working on cancer genomic datasets
- Experience with bioinformatics analysis pertaining to transcriptomics and genomics.
Special Requirements
None

Compliance
Workplace Health and Safety
All supervising staff are required to undertake effective measures to ensure compliance with the Occupational Safety and Health Act 1984 and related University requirements (including Safety, Health and Wellbeing Objectives and Targets).
All staff must comply with requirements of the Occupational Safety and Health Act and all reasonable directives given in relation to health and safety at work, to ensure compliance with University and Legislative health and safety requirements.
Details of the safety obligations can be accessed at http://www.safety.uwa.edu.au

Equity and Diversity
All staff members are required to comply with the University's Code of Ethics and Code of Conduct and Equity and Diversity principles. Details of the University policies on these can be accessed at http://www.hr.uwa.edu.au/publications/code_of_ethics, http://www.equity.uwa.edu.au