![Walter+Eliza Hall Institute of Medical Research logo — FIAT LUX]

Senior Research Officer

Position title: Senior Research Officer	**Classification:** Academic Level B
Division/Department: Bioinformatics	**Work location**: Parkville
Position reference:	**Employment type**: Contract
Remuneration range: $99,663 - $118,343 p/a	**Further information:**
Position reports to: Laboratory Head	**Closing date:**
Positions reporting to this one:	

Position overview

The role of Senior Research Officer is to lead research projects in cancer therapeutics, including the analysis multi-omics and clinical data associated with drug treatments and combination therapies. Senior Research Officers are expected to be self-motivated and to operate with minimal supervision under the general direction of the Laboratory Head and provide increasing input on scientific direction of their projects. The appointee will also be expected to establish and contribute to collaborative research projects investigating epithelial-mesenchymal plasticity in breast cancer and cancer metastasis more broadly and will have the opportunity to undertake some supervision of students and junior staff.

Organisational environment

The Walter and Eliza Hall Institute of Medical Research

The institute, established in 1915, houses 3 research Themes (Cancer, Healthy Ageing & Development, and Infection, Inflammation & Immunity Theme) and 2 research Centres (New Medicine & New Diagnostics and Computational Biology & Bioinformatics), containing 13 Divisions with over 80 laboratories and around 1,000 staff and students, and an annual budget of approximately $100 million (AUD). The institute has a strong national and international reputation for performing highly influential research and for translation that leads to long term improvements in disease diagnosis and treatment. More than 100 national and international clinical trials are underway based on research undertaken at the Institute.

The institute's main laboratories are located within the Parkville precinct, a vibrant hub for life science research, education and healthcare provision. In addition, the Walter and Eliza Hall Institute Biotechnology Centre is located 30 minutes from Parkville at La Trobe University's R&D Park in Bundoora. The Biotechnology Centre features facilities for medicinal chemistry and antibody development and production.

Organisational objectives

Discovery and translation

To make discoveries that shape contemporary scientific thinking, increase understanding and improve prevention, diagnosis and treatment of cancer, immune disorders and infectious diseases.

Education and training

To educate and train world class scientists and to attract, develop and retain the best and brightest workforce.

Organisational culture

To provide a vibrant and inspiring organisational culture that encourages, promotes and rewards excellence, collaboration, innovation, creativity and respect.

Engagement

To engage with our stakeholders to improve outcomes, building support and secure resources for medical research.

Sustainability

To build infrastructure, professional services and funding that sustains our research and maximises the time our scientists can spend making discoveries.

Organisational values

- Pursuit of excellence
- Integrity and mutual respect
- Collaboration and teamwork
- Creativity
- Contribution to society
- Accountability

Key responsibilities

Activities   *Performance Indicators*

Innovation and Planning
- Work within the research plans as directed by the Laboratory Head - Conceive and design research projects within the research program	- New approaches to experimental design are introduced to projects and the laboratory - Alternative courses proposed and new approaches advanced
Knowledge and Skill Acquisition
- Maintain broader professional reading - Develop grant and submission writing skills - Identify skill needs and how to acquire them - Attend meetings associated with the research work of the Laboratory, Division, and Institute	- Scientific knowledge or methods outside research area acquired - Research project management skills demonstrated
Research Performance
- Give research reports at relevant internal meetings - Contribute to the production of and conference and seminar materials - Draft own research findings for publication of papers	- Demonstrated capacity to conceive, design, execute and publish high quality scientific research - Substantial contribution to drafting of papers for publication - Authorship of research publications in high ranked journals - Evidence of growing reputation
Research Methods and Techniques
- Develop and modify methods - Give research reports at relevant internal and external meetings - Contribute to the production of and conference and seminar materials - Draft own research findings for publication of papers	- Methods and techniques of use to other projects introduced - Significant parts of publications drafted - Demonstrated capacity to publish high quality scientific research
Research Communication
- Give research reports at relevant internal and external meetings - Contribute to the production of and conference and seminar materials	- Methods and techniques of use to other projects introduced - Significant parts of publications drafted - Demonstrated capacity to publish high quality scientific research

• Draft own research findings for publication of papers	
Collaboration	
• Work in cooperation with members of laboratory and support services to achieve project goals • Develop connections with other institute researchers	• Influential contribution to collaborations • Coordinated input of ideas to projects
Supervision	
• Provide guidance and day-to-day supervision of support staff • Contribute to research training and provide advice to research students	• Effective delegation of work to technical staff • Contribution to evaluation of support staff • Co-supervision and guidance of research students
Funding	
• Ensure salary support funding opportunities are taken through fellowships and projects applied for • Work with the Laboratory Head to ensure research funding support	• Salary support funding obtained • Funding support attracted for work on agreed projects • Laboratory Head support for research grant applications • Successful research grant applications written
Contribution to Broader Goals of the Institute	
• Participate in written assessment activities • Contribute to journal peer review • Independently contribute to the academic life of the institute • Independently contribute to engagement with the community, education, business development, or clinical translation	• Contributions to the advancement of the research field • Contributions to institute mission and key objective of engagement • Achievement of expectations of funding bodies

Key selection criteria

Knowledge and skills

- A PhD in a relevant discipline such as mathematics, statistics, computer science, computational biology or genetics.
- Strong programming and data analysis skills using open-source, redistributable languages
- A track record in the computational analysis and systems biology, demonstrated through publications, in areas including:
    - analysis and integration of multiple heterogeneous datasets in the context of cancer biology, including drug response data.
    - analysis of signalling networks using a variety data, such as imaging data, transcriptomics and/or phosphoprotein data.
    - development of computational methods for analysis of large and complex datasets
    - generation of computational models that capture the regulatory behaviour of biological systems, built from heterogeneous data, such as genomic and epigenomic data, transcriptomic data, protein, metabolite and molecular interaction data.
- Demonstrated ability to make high quality scientific contributions including publications and presentations
- Demonstrated ability and likelihood of continued excellence and productivity in research
- Evidence of contribution to the stimulation of student learning and interest in the discipline
- Broad knowledge of research discipline

Occupational Health and Safety

- Comply with institute Health and Safety Policies and Procedures.
- Take reasonable care of own safety and the safety of others around.
- Use Personal Protective Equipment (PPE) and safety devices appropriately.
- Report all hazards, incidents and injuries.
- Attend training programs as documented in individual training needs matrices.

How and where to apply

Applicants are encouraged to submit a cover letter, current resume and three referees to jobapplications@wehi.edu.au quoting the position number.

Please address each of the key selection criteria separately in a written document.

Diversity

The Walter and Eliza Hall Institute is an Equal Opportunity Employer.

The institute encourages and welcomes interest from Aboriginal and Torres Strait Islanders for roles within the institute.

Privacy notification

The collection and handling of declarations and personal information relevant to your employment will be consistent with the requirements of the *Privacy Act 1988.*