Health Informatics Specialist

Position title: Health Informatics Specialist
Division/Department: Melbourne Genomics Health Alliance
Position reference: WEHI/TWHIS
Remuneration range: $116,768 to $121,487
Position reports to: Data Governance Lead - Data & Technology, Melbourne Genomics Health Alliance

Classification: HEW 9
Work location: WEHI Parkville
Employment type: Full time for 1 year. Part-time considered.
Further information: Kerrie Jarman, Kerrie.jarman@melbournegenomics.org.au
Closing date: 5 June 2018
Positions reporting to this one: None

Role Description

The Melbourne Genomics Health Alliance brings together healthcare, research and academic organisations to address the challenges of incorporating genomic sequencing into the healthcare system. Our vision is for Victoria to be a world leader in the translation and use of clinical genomics in healthcare.

To realise the vision of the Melbourne Genomics Health Alliance, a shared clinical system for genomics, GenoVic is being established to support the integration of genomic medicine into standard clinical care.

GenoVic supports the use of genomic testing, better enabling accredited testing laboratories with a robust common IT platform to perform analysis and variant curation and provided foundations to facilitate controlled access to genomic data that supports secondary use (e.g. research).

As the Health Informatics Specialist, you will provide expertise in health information models, health data modelling, and data management to the Melbourne Genomics Health Alliance including the following.

- develop new and enhance existing data models, architectures, policies and frameworks to support the secure and effective operation of the Alliance’s GenoVic system
- leverage your extensive data privacy and security experience to ensure the platform complies with all relevant legislation and data protection best practices
- engage with Alliance Member Organisations, the Melbourne Genomics Data & Technology Team and third-party software and IT service vendors
- work closely with and support the Data Governance Lead, who has responsibility for all data governance and data management activities for GenoVic within the Melbourne Genomics program of work.
Organisational Environment

Melbourne Genomics Health Alliance

The Melbourne Genomics Health Alliance is a ground-breaking alliance which is positioning Victoria as an international leader in the use of genomics in everyday health care.

The Alliance comprises 10 members – The Royal Melbourne Hospital, The Royal Children’s Hospital, The University of Melbourne, Walter and Eliza Hall Institute of Medical Research, the Murdoch Children’s Research Institute, CSIRO and The Australian Genome Research Facility, Peter MacCallum Cancer Centre, Austin Health and Monash Health.

Melbourne Genomics Health Alliance is ‘clinically driven’, with decision making guided by the needs and preferences of patients and clinicians. It is unique in establishing a single shared approach to genomic information across multiple organisations, for the benefit of patients, clinicians and researchers.

To achieve its vision, the Alliance has commenced a four-year program focused on infrastructure implementation, change management and evaluation. The program addresses the patient journey from pre-test counselling, through diagnostic testing, return of results and their use to guide clinical decisions.

The Melbourne Genomics project is hosted by the Walter and Eliza Hall Institute of Medical Research.

The Walter and Eliza Hall Institute of Medical Research

The institute, established in 1915, currently houses 15 research divisions containing around 81 laboratories and over 800 staff with an annual budget of approximately A$100 million.

The institute’s research focuses on cancer (breast, cancer, leukaemia, lymphoma, multiple myeloma, lung cancer, colon cancer, and ovarian cancer), infectious disease (malaria, tuberculosis, HIV, and hepatitis) and chronic inflammatory and immune diseases (coeliac disease, type 1 diabetes, rheumatoid arthritis and transplantation) and continues a strong tradition of collaboration and interdisciplinary programs. 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.

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 high-throughput chemical screening, medicinal chemistry, antibody production and malaria containment. The centre also functions as an incubator for the institute’s biotechnology companies.
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
Responsibilities

- Collaborate with technical teams to develop and document system information models, integration data models and data dictionaries as well as data management frameworks and documentation.
- Enhance new and existing policies and frameworks to support the data governance and security strategies.
- Facilitate workshops, meetings and working groups as required.
- Ensure that all projects are delivered as per the agreed schedule, within budget and to a high level of quality.
- Prioritize activities to ensure timely progression of data governance and security objectives.
- Engage with other functions as required.

Key qualities, skills and experience sought

Personal qualities

- Self-motivated and enjoys being challenged
- Professional, discrete and tactful relationship builder
- Able to work autonomously with a flexible approach to sharing tasks, working cooperatively in team and valuing team development
- Outcomes focussed with an ability to coordinate multiple initiatives at a time
- Ability to operate in an environment of uncertainty and incomplete information and make well-reasoned decisions

Essential

- Tertiary or postgraduate qualification in a relevant education and/or science field
- Hold a valid Victorian Working with Children’s Check or be willing to undertake a Working with Children’s Check
- Experience working with health data models and integration standards such as HL7 and HL7 FHIR
- Familiarity with health ontologies including SNOMED and HPO
- Knowledge of state and commonwealth privacy and health legislation and privacy principles
- Understanding of human research ethics processes and requirements
- Experience in working collaboratively to develop and document system architectures and data models
- Demonstrated:
  - Project coordination capability/experience and/or project management qualifications
  - Organisation, time management and prioritisation skills
  - Ability to build good working relationships with a wide range of stakeholders
  - Proficiency in Microsoft Office suite
  - Attention to detail

Highly desirable

- Understanding of data security best practices and frameworks such as NIST Cybersecurity Framework or ISO 27001/27002.
- Knowledge of biomedical science, particularly genetics.
- Experience working within large initiatives involving multiple partners.
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 reference WEHI/TWHIS.

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.