



## Research and Development Assistant

Genics Pty Ltd is seeking a highly motivated experienced Research Assistant to join their Brisbane based team. Genics provides pathogen detection services to the national and international prawn farming industries with the view to expanding its test menu into other primary industry sectors. You will apply your highly developed molecular biology skills and knowledge to routine molecular diagnostic tests and participate in test development for pathogen detection. Your role will put you in the centre of Genics test laboratory workflow and services using existing and new pathogen detection tests on Genics platform and orthogonal molecular technologies. Your responsibility will extend to supporting the generation and curation of real-world commercial data, preparing client reports from Genics platform test technologies, including but not limited to Shrimp MultiPath *sensitive* and Shrimp MultiPath *quantitative*.

## Our Values

Building **security and sustainability** in food production now and into the future by identifying and mitigating production impacting risks.

**Neutrality** in recommendations and actions.

**Trusted advisor** in providing quality diagnostic data.

**Creative spirit** in our approach to customise solutions to solve industry bottlenecks.

**Excellence in data provision and delivery** to meet our client's needs.

**Working collaboratively** for impactful client success.

## Our Culture

Our people and culture underpin our success in delivering excellent end to end solutions for our client base. We are guided by our values and seek to be global leaders in delivery of high quality data and customised solutions that value add to our clients' enterprises.

Our people bring a creative mix of skills, brought together for their enthusiasm and drive to deliver food security and sustainability to our world. We believe we can transform farming practices globally by better understanding and mitigating risks from pathogens in culture systems.

## Tasks and Responsibilities

- Adherence to Good Laboratory Practices (GLP) with respect to executing and conducting MultiPath molecular diagnostic testing procedures.
- Executing MultiPath testing procedure.
- Nucleic acid extraction and preparation from biological tissues/specimens

- Management of tissue and DNA/RNA sample repository
- Participating in the development of a GENICS specific laboratory information management system (LIMS)
- Execution of PCR tests for diagnosis of existing, new and emerging pathogens compatible with Genics platform technologies
- Development and execution of MultiPath and orthogonal molecular testing procedures for validation of diagnostic tests for concordance, specificity and sensitivity incl. real-time PCR
- Participation in the interpretation and analysis of data generated from real-world clinical samples and preparation of client reports
- Protocol and Note taking of research and development molecular workflows executed in the laboratory

All listed tasks and responsibilities are deemed as essential functions to this position; however, business conditions may require reasonable accommodations for additional task and responsibilities.

**Location:** Brisbane (St Lucia), QLD, Australia

**Tenure:** Full-time

### Preferred Experience and Skills:

1. Experience working independently in a laboratory environment
2. Demonstrated knowledge and experience in PCR test design and validation
3. Experience in various PCR and downstream workflow analysis methods including gel electrophoresis and real-time PCR
4. Experience in molecular laboratory procedures including but not limited to nucleic acid extraction, reverse transcription, PCR, cloning, sequencing and relevant data analysis
5. Experience in PCR amplification and detection of SNP and/or microsatellite markers for genotyping
6. Knowledge of current molecular genetics platforms to discover novel commercially impactful pathogens
7. Experience in laboratory accreditation(s) and audits
8. Demonstrated history of compliance with organisational OHS&E requirements
9. A valid driver's licence and the ability to travel when required

### Additional Experience:

1. Commercial Customer interactions such as marketing, technical support, or offering commercial solutions
2. Experience in data analysis and report writing for clients

## How to apply

Please email to [Ralf.Moser@genics.com](mailto:Ralf.Moser@genics.com) one document only containing:

- Cover letter
- Resume/CV
- Response to experience criteria
- Three referees

## More information

[info@genics.com.au](mailto:info@genics.com.au)