

Research Scientist (Pathogen Detection)

The company is seeking a highly motivated Research Scientist to join their Brisbane based team. The company provides pathogen detection services to the national and international prawn farming industries. Using your skills in molecular diagnostics and test development, you will be responsible for establishing new pathogen detection PCR tests that compliment the company's platform test technologies and services. Your role will extend to real-world commercial data, being responsible for preparing client reports from the company's platform test technologies.

Our Values

- **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.

Your responsibilities will include

- Design of PCR tests for diagnosis of new and emerging pathogens, initially in prawns and salmon, to be compatible with the company's platform technologies
- Validation of diagnostic tests for concordance, specificity and sensitivity
- Design and implementation of sampling protocols for tissue pooling and non-conventional tissue types for pathogen diagnostics
- Interpretation and analysis of data generated from real-world clinical samples and preparation of client reports.

Role description

The role description gives an overview of what the job involves and how it fits within an organisation. It will often highlight the skills or experience needed to do the job.

You should refer back to the role description when considering responses to the selection criteria to ensure that you are using appropriate keywords.

Extra information

Sometimes position descriptions will contain other information that further defines what the role involves and how the person performing the job is expected to behave.

This type of information is common in government department or other large organisations with formal recruitment processes.

You're generally not expected to respond to this information but you should keep it in mind when writing your application and during an interview.

General duties and goals of the position

The details in the role overview and duties provide the context you need to customise your cover letter, resume, and selection criteria responses.

Make a note of any keywords that could be used in your selection criteria responses, particularly keywords associated with specific techniques or equipment.

You should get a sense of how well you fit the role with your existing education and work experience and judge whether you're a suitable candidate for the role.

Requirements

Target experience you will need:

- Experience working independently in a laboratory environment
- Demonstrated knowledge and experience in PCR test design and validation
- Experience in various PCR and downstream workflow analysis methods including gel electrophoresis and real-time PCR
- Experience in molecular laboratory procedures including but not limited to nucleic acid extraction, reverse transcription, PCR, cloning, sequencing and relevant data analysis
- Experience in PCR amplification and detection of SNP and/or microsatellite markers for genotyping using sequencing and/or mass spectrophotometry
- Knowledge and experience with current NGS platforms and compatible chemistries and how to apply these to discover novel commercially impactful pathogens
- Experience in data analysis and report writing for clients
- Experience in a technical marketing capacity, understanding a customer's requirements, finding, offering and delivery of complete solutions
- Experience in NATA accreditation and audits
- Demonstrated history of compliance with organisational OHS&E requirements
- A valid driver's licence and the ability to travel when required

How to apply

Please submit one document only containing:

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

Selection criteria

The selection criteria are used to assess your suitability for a role. Examples of how you meet these criteria may be required as part of your written application or during an interview. Some organisations require candidates to meet all selection criteria whereas others are more flexible in their assessment of candidates.

Criteria that mention 'Proven', 'Demonstrated' or 'Applied' will require an strong example of a moment when you have performed those tasks.

In this case, the company has used the term "target experience" instead of selection criteria. You would still need to address the criteria in your job application.

Instructions

Ensure you follow the instructions outlined on each job advert. Don't assume that each job advert will have the same requirements.

The requirements for this job application are clearly defined however no page limit has been provided for the response to the selection criteria. Generally, two pages is adequate to address the selection criteria.

Take note that this advert has requested all parts be compiled in one document.