



Job 20201016#2 description:

BGI Australia is hiring 2 interns for an internship program to be based in the Brisbane laboratory.

Position : Laboratory Intern

Reporting to: Lab Manager

Location : Brisbane

Program Goal:

The goal of the internship is to provide the interns with the skillset to perform either one or more of the following:

- Next generation sequencing library preparation
- Basic bioinformatics pipeline
- Knowledge and operation of Next-generation sequencing laboratory
- Quality control of Next generation sequencing samples

Some of the tasks that are required to successfully complete this internship include:

1. Consistent and competent preparation of WES, WGS and RNA Sequencing Library Preparation;
2. Effective preparation and maintenance of MGISEQ-2000 Sequencer and auxiliary equipment eg MGIDL-200;
3. QC of samples using Gel electrophoresis;
4. Operation of various QC equipment such as Agilent 2100 Bioanalyzer, Qubit and Nanodrop;
5. Execution of Bioinformatics QC and analysis pipeline;
6. Execution of automated data delivery script to upload data into FTP server.

As part of this internship, the intern is also expected to follow and comply to the following standards:

1. Adhere to company and institute OH&S standard;
2. Compliance with company record keeping standard;
3. Maintain clean and tidy work area;
4. Follow company and institute procedure for handling waste, glassware and dangerous chemicals.

BGI will produce a standard internship program certificate upon the completion of the internship. However an exemplary internship certificate of one or more of the following areas may also be issued based on performance:

1. Successful completion of 3 preparations of WES library prep;
2. Successful completion of 3 preparations of WGS library prep;
3. Successful completion of 3 preparations of RNA library prep;
4. Successful completion of independent 3 MGISEQ2000 sequencing experiment;
5. Three independent execution of Bioinformatics QC and analysis pipeline;
6. Three independent Execution of automated data delivery to FTP server script;
7. Successful operation of 3 preparations of Agilent 2100 Bioanalyzer run;
8. Successful operation of 3 preparations of Qubit;
9. Successful operation of 2 QC using Nanodrop;
10. Successful completion of 2 QC using Gel electrophoresis.

To submit an application for this role, all applicants must supply the following documents: a cover letter to address the required skills listed above and your Résumé to [bgi-australia@genomics.cn](mailto:bgi-australia@genomics.cn). Please note that this UNPAID internship programme is not an employment.