

Clinical Genomics GUIDED TRAINING

Undergraduate Training Program

Introduction

King Faisal Specialist Hospital and Research Centre (KFSH&RC) offers a diverse array of training programs to support the development of healthcare professionals. The Undergraduate Training Programs include Internship Training Programs, Practicum Training Programs, Transition to Practice Programs and Summer Training Programs, providing comprehensive clinical experience to undergraduate students.

Overview of Internship Training Programs

The Internship Training Program is a form of experiential learning that integrates knowledge learned in the classroom with practical application and skills development in a professional setting. Also, designed for non-medical interns, who enrolled in academic institutions. The aim of these programs is to provide interns with fundamental and essential practical skills.

Internship Program:

Clinical Genomics Guided Training

Program Overview:

The Diagnostics and Interpretation Internship in Clinical Genomic Medicine at King Faisal Specialist Hospital and Research Centre, Riyadh (KFSH&RC-R) provides basic training in the human genome and genetic diseases. Interns are given a comprehensive understanding of human genetics and available molecular genetic diagnostic methods. The one-month training rotation covers the basics of human genetic diseases, inheritance mode and the interpretation of molecular data. By the end of the internship, the intern will be able to understand the causes of genetic diseases, demonstrate various diagnostic techniques, apply direct genetic testing, interpret molecular data and troubleshoot technical laboratory problems.

Program Objectives:

By the end of the training, participants will:

- Discuss human genetics, modes of inheritance, genotype-phenotype relationship and causes of genetic diseases
- Demonstrate competency in performing diagnostic techniques, including Targeted Sanger Sequencing and Illumina Exome Sequencing
- Identify & troubleshoot problems that might arise in the laboratory
- Report final molecular data

Acceptance Criteria:

- Internship request letter from Intern's sponsor
- Saudi national or born from Saudi mother only
- GPA 3 out of 4 and above

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- Undergraduate students with a scientific major and an at least one course in genetics
- Pass the Interview
- Valid English Qualification IELTS. (Minimum score is 4.5 overall or equivalent)

Duration:

- One month.

Benefits:

- Medical coverage as per hospital policy.
- Certificate of completion.

Fees:

- 1,500 SAR per month (excluding 15% VAT).

Contact Information:

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Apply via QR Code:

