

Translational 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:

Translational Genomics Guided Training

Program Overview:

The Translational Genomics Internship in the laboratory provides fundamental training in basic Molecular Genomic Medicine. The one-month training internship will cover basic aspects of genetics in health and disease, the structure of nucleic acids and the fundamentals of DNA technology. By the end of the internship, the intern will be able to understand the structure of the human genome, the different techniques of studying human DNA and RNA, the role of DNA and RNA in genetic diseases and the discovery of DNA variants and their role in causing disease.

Program Objectives:

By the end of the training, participants will:

- Illustrate the basics of genetics in health and disease
- Demonstrate knowledge about Nucleic Acids: DNA vs. RNA; and the basics of DNA extraction and purification
- Describe the PCR (Polymerase Chain Reaction)
- Explain the basics in DNA Sequencing and Detection of DNA Variants

Acceptance Criteria:

- Internship request letter from Intern's sponsor
- Saudi national or born from Saudi mother only
- BSc from relevant scientific branches eg. Biochemistry, Applied Medical Sciences, Microbiology, Biology, Molecular Biology, Genetics, Molecular Genetics, Pharmacy Medicine, etc.

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- GPA: 3.5 out of 5 or 2.8 out of 4
- Pass the interview
- Valid English Qualification IELTS (minimum score 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:

- **Riyadh:** Trainingprog@kfshrc.edu.sa
- **Jeddah:** trainingj@kfshrc.edu.sa
- **Madinah:** ATA-madinah@kfshrc.edu.sa

Apply via QR Code:

