Computational Genomic Sciences 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:

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Program Overview:
The Basics of Bioinformatics Internship provides fundamental training in genomic bioinformatics, aiming to provide a complete understanding of handling and processing genomic biological data. It is a one-month training rotation covering the basics of genomic data processing, including storage, manipulation, analysis and interpretation of biological data, especially data on nucleic acids and amino acids. It includes study of molecular rules and systems that govern or affect the structure, function and evolution of various forms of genomics from computational approaches. The intern will be able to understand the clinical application of bioinformatics, data programming methods and data science for bioinformatics.

Program Objectives:
By the end of the training, participants will:
- Define the basics of bioinformatics such as clinical application
- Describe the Linux operating system and its use in bioinformatics
- Demonstrate Python Programming for bioinformatics
- Apply Data Science for Bioinformatics
- Recognize next-generation sequencing technologies
- Identify data pipelines in medical applications

Acceptance Criteria:
- Internship request letter from Intern's sponsor
- Saudi national or born from Saudi mother only

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- Bachelor's/Master's degree in Computer Science/related field OR Life Sciences/ related field with some background knowledge about Computing
- GPA: Minimum 3
- 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:
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Apply via QR Code:

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