

INTERNATIONAL MEDICAL AND TECHNOLOGICAL UNIVERSITY



CENTER FOR PROFESSIONAL DEVELOPMENT AND TRAINING

“BIOINFORMATICS AND ITS ROLE IN MODERN MEDICINE”

A Short Course from 10th – 12th APRIL 2017

Course Description: The course is designed to introduce concepts that are essential in the field of Bioinformatics (often referred as Computational Biology) as well as its importance, challenges and applicability in the practice of medicine and medical research. Lectures will focus more on biological data and application of bioinformatics in medicine.

Course Prerequisites: Neither prior knowledge nor technical skills are necessary to attend this course.

Course Content: The course will focus on biological data analysis, interpretation and application of bioinformatics in medicine. Specifically, it will cover:

- What is Bioinformatics?
- The human genome, sequences and their meaning to medicine
- Protein function and structure
- Understanding of complex system function
- Bioinformatics and diseases
- Bioinformatics and disease treatment – target identification and drug discoveries
- Bioinformatics and drug repositioning – finding new purposes of old drugs
- Bioinformatics and disease control priorities in developing countries

Delivery Mode: Lecture discussions and practical sessions (hands-on).

Intended Audience: Medical faculty and students, physicians, researchers, technical personnel at Pharmaceutical and health care facilities

Logistics: Participants are expected to cater for their accommodation and transport to the venue. However, refreshments and stationeries will be provided for the participants through the training.

Course Dates: 10th to 12th April, 2017

Venue: IMTU Campus, New Bagamoyo Road

Principal Instructor: Dr. Samira Jaeger, PostDoc IRB Barcelona, PhD in Bioinformatics, Humboldt University, Berlin, Germany, Visiting Scientist at European Bioinformatics Institute, Hinxton, UK, Centrum Wiskunde & Informatica, Amsterdam, Netherlands, International Medical and Technological University (IMTU), Dar es Salaam.

Course Fees: 295,000 Tshs.

Certificates: Certificates of attendance will be provided to all participants.

How to Register: Call Catherine Lameck at **0785068183** or email catherinelameck@yahoo.com stating your intention to attend the course before Monday, April 3rd, 2017. Seating is limited.