

Executive Workshop on Molecular Diagnosis in Clinical Laboratory

Programme Code: LMLS9016

Application Code: 1550-2352NW

General Enquiries:

2975-5697

Programme Director: Mr. K.M. Au

2520-4613

MLT Board CPD Activity Code/Point – 05170601/12

INTRODUCTION

Molecular diagnostics have wide applications in almost all disciplines of Medical Laboratory Science.

This workshop covers the fundamental knowledge in molecular techniques and their applications in clinical laboratories. It is intended for Associate Medical Laboratory Technologists, Medical Technologists or health care professionals who have no previous experience or who wish to update themselves on this rapidly developing science.

OBJECTIVES

1. To introduce students to the fundamental molecular diagnostics techniques;
2. To familiarize students with the molecular applications in local clinical laboratories;
3. To allow students to appreciate the importance of accurate diagnosis of diseases through clinical case studies.

COURSE STRUCTURE

The course consists of 15 meetings and 1 practical session and the total number of hours is 33.

BRIEF DESCRIPTION OF COVERED AREAS

A refresher on DNA and mutations, DNA extraction, different types of PCR, Sanger sequencing, quality assurance, next generation sequencing, multiplex ligation-dependent probe amplification (MLPA), variant interpretations and plasma nucleic acid analyses.

Molecular diagnosis of mitochondrial diseases, inborn errors of metabolism, hematological cancer, cancer markers, prenatal and preimplantation genetic diagnosis, and a visit to prenatal diagnostic laboratory and preimplantation laboratory.

MEDIUM OF INSTRUCTION: English

DATE AND TIME

Lecture: 9 Oct 2017 – 29 Nov 2017 (Mondays & Wednesdays) from 6:30 to 8:30 pm (with one of the lectures from 6:30 to 9:30 pm on 18 Oct 2017)
Laboratory visit: 2 Dec 2017 (Saturday) from 10:30 am to 12:30 pm

VENUE: HKU SPACE Learning Centre, Admiralty / Fortress Tower (to be confirmed)

NO. OF STUDENTS: 25 students

COURSE FEE: HK\$6,000

ATTENDANCE:

A Statement of Attendance will be issued to students with overall attendance of 70%.

ADMISSION REQUIREMENT:

Target students are those working in the medical laboratories and have an interest in acquiring knowledge of molecular diagnostic techniques. Admission is on a first-come, first-served basis.

CLOSING DATE FOR APPLICATION: 23 September 2017

APPLICATION PROCEDURE:

Please send in the completed application form (SF26) which can be downloaded from our School's Website together with the appropriate course fee to HKU SPACE, 13/F, Fortress Tower, 250 King's Road, North Point, Hong Kong (Attention: Ms. Bonnie Ng). The cheque should be made payable to "HKU SPACE".

Alternatively, applicants can pay the course fee by VISA or MasterCard at any HKU SPACE Enrolment Centre with the completed application form or use the 24-hour Online Enrolment Service via our School's website <http://hkuspace.hku.hk>. Further enquiry, please contact Ms. Ng at 2975 5697 or by email bonnie.ng@hkuspace.hku.hk.

28 Aug 2017