



Professional Training Course in Clinical Cytogenetics

*(which is the course CNGT5004 in
Master of Science in Medical Genetics)*

Date: 4 and 5 Sep 2016 & 6 and 7 Nov 2016

Allan Chang Seminar Room, 1/F, Blk E, Prince of Wales Hospital, Shatin

Background

With the advances in the molecular genomic and genetic technology, we now have a much better understanding of the etiology of many diseases, which has widened the scope of clinical genetics from traditional paediatric syndromal disorders to fetal diseases, as well as to adult-onset diseases such as neurogenetic and oncological disorders. A wide range of laboratorial technologies also provides not only an accurate genetic diagnosis but also prenatal assessment and carrier screening.

Objectives

- ✓ To provide basic knowledge on genetics and common genetic diseases for clinicians, nurses and laboratory professionals who need to counsel, investigate and manage patients and families at risk of genetic disorders in their daily practice.
- ✓ To update the health care professional on the advances in the genomic and genetic technology in assisting clinical diagnosis and management.
- ✓ To serve as a preparation course for health care professional who want to further pursue a higher education in the field of clinical genetics.

Organiser

Department of Obstetrics and Gynaecology,
The Chinese University of Hong Kong

Entry Requirement

Applicants should possess a degree or equivalent and currently working in the relevant field.

Target Participants

- ✓ Clinical professionals (such as obstetricians, paediatricians, physicians, nurses and midwives), who are managing patients and families with genetic diseases in their daily practice.
- ✓ Laboratorial professionals who are working with genetic and genomic testing
- ✓ Clinical and laboratorial professionals who plan for a master degree education in the field of clinical genetics

Course Description

The course covers the understanding of DNA and its architecture, cell division and the use of various techniques to examine these structures, including chromosome banding, FISH and array CGH. It also covers the application of these techniques for the detection of chromosomal abnormalities, developing pre-analytic and post-analytic skills in test results interpretation, report writing and communication of result to clinicians.

Course Design

The course comprises of lectures and elearning platform. The course is delivered through lectures and interactive case discussion with total 26 hours (2 units). Overseas renowned professors, local professionals and academic staff of the Department of Obstetrics and Gynaecology, CUHK are invited to be our teaching faculty.

Assessment

Written examination

Language

English

Accreditation

Pending **CME** points accredited by HKCOG
Pending **PEM** points accredited by Dept of O&G, CUHK

Tuition fee

\$5,000 per unit, total **\$10,000**

Graduation Requirement

Students must fulfill all of the following criteria to be granted a:

Certificate of Completion

- An overall attendance rate of 80% (21 out of 26 hours)
- Pass the written examination

Certificate of Attendance

- An overall attendance rate of 80% but failed the examination

Sept course schedule (Total 13 hours)

| Date | Time | Hours | Venue | |
|-------------|------|-----------|-------|-----------|
| 4-Sept 2016 | Sun | 1200-1900 | 6 | ACS |
| 5-Sept 2016 | Mon | 0900-1600 | 6 | LKS Rm301 |
| e-learning | | | 1 | - |

ACS: Allan Chang Seminar Room, 1/F, Blk E, Prince of Wales Hospital
LKS Rm301: Rm301, 3/F, Li Ka Shing Institute of Health Science, Prince of Wales Hospital

Nov course schedule (Total 13 hours)

| Date | Time | Hours | Venue | |
|------------|------|-----------|-------|---------|
| 6-Nov 2016 | Sun | 1200-1900 | 6 | ACS |
| 7-Nov 2016 | Mon | 0900-1600 | 6 | PEC Rm1 |
| e-learning | | | 1 | - |

ACS: Allan Chang Seminar Room, 1/F, Blk E, Prince of Wales Hospital
PEC Rm1: Seminar Room 1, 1/F, The Jockey Club School of Public Health and Primary Care, Prince of Wales Hospital

Our Overseas Teaching Panel



Prof. Cheung Sau Wai
Molecular and Human Genetics
Baylor College of Medicine
Houston, TX, US

The primary focus of my research is to improve and enhance diagnostic precision. A secondary goal is to maximize the possibilities created by the recent gene discoveries using FISH technology (Fluorescent In Situ Hybridization). Diagnostic application of chromosome abnormalities such as prenatal diagnosis of chromosome abnormalities, exclusion of chromosomal mosaicism in amniotic fluid cultures, chromosome mosaicism in Chorionic Villus Sampling, clinical application of FISH technologies, preimplantation genetic diagnosis and recently chromosomal microarray analysis (CMA), all are powerful diagnostic tools that become more vital to the medical community as our diagnostic accuracy improves.

Reply slip

Surname _____ First Name _____
Title _____ Dr. / Mr. /Ms _____
Highest qualification _____
Position _____
Department _____
Organization _____ (Hospital) _____
Address _____
Tel _____ Fax _____
Email _____

Payment Method

Tuition fee HK\$10,000 only

By Cheque (Payable to **The Chinese University of Hong Kong**)

Cheque no.: _____ Bank Name: _____

By Credit Card (in Hong Kong Dollars only)

Visa **MasterCard**

Card holder's name (Block letter): _____

Signature: _____ Date: _____

Credit Card Number _____ Expiry Date (mm/yy)

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Please charge the above credit card of amount _____

****If you are interested in this course, please return this reply slip to Miss Jessica Sit via email (jessicascw@cuhk.edu.hk), fax (2636 0008) or by post (Department of Obstetrics and Gynaecology, Block 1E, Prince of Wales Hospital, 30 Ngan Shing Street, Shatin, N.T., HK (Attn: Miss Jessica Sit)).**

Registration and Enquiry

Miss Jessica Sit

Tel: 852-2632 1527

Fax: 852-2636 0008

Email: jessicascw@cuhk.edu.hk