



## Professional Training Course in

# Advanced Clinical Genetics

(which is the course CNGT6004 in Master of Science in Medical Genetics)

Date: 13-15 January 2018 (Sat-Mon)

Allan Chang Seminar Room, 1/F, Block 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

### Course Design

The course comprises of lectures and elearning platform. The course is delivered through lectures and interactive case discussion with total 26.5 hours (2 units). Overseas renowned professor, local professional and academic staff of the Department of Obstetrics and Gynaecology, CUHK are invited to be our teaching faculty.

### Course Description

The course teaches recognizable patterns of human malformation using a combined approach encompassing dysmorphology, formulation of diagnosis, advanced laboratory testing, management and therapy.

### 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

### Entry Requirement

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

### Assessment

Written assignment

### Language

English

### Overseas Speaker



**Prof. Carlos A. BACINO**

*Molecular and Human Genetics*

*Baylor College of Medicine*

*Houston, TX, US*

### January 2018 course schedule (Total 26.5 hours)

Date		Time	Hours	Venue
13 Jan 2018	Sat	09:00-19:00	9	ACS
14 Jan 2018	Sun	09:00-19:00	9	
15 Jan 2018	Mon	09:00-16:00	6	
TBC		18:30-21:00	2.5	
ACS: Allan Chang Seminar Room, 1/F, Block E, Prince of Wales Hospital				

#### Accreditation

Pending **CME** points accredited by HKCOG

Pending **CPD** points accredited by the MLT

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

#### Tuition Fee

Total **\$10,000** (cheque payable to “The Chinese University of Hong Kong”)

#### 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 assessment

##### **Certificate of Attendance**

An overall attendance rate of 80% but fails assessment

#### Course program

11p15 abnormalities
22q11 deletion and duplication
Collagen II related disorders
Autistic Spectrum Disorders
Channelopathies
Ciliopathies
Citrin deficiency
Disease involving non-coding DNA ( <i>to be confirmed</i> )
Disorders of Sex Development
Dyskeratosis congenita (Telomere maintenance)
Dysmorphology I
Dysmorphology II
Fragile X Syndrome
Gene therapy
Genetics of Senses
Human Subject Research
Mental Retardation ( <i>to be confirmed</i> )
Modeling Human disease in non-human species
Rett syndrome and X-inactivation
Robert Syndrome (Centromere Maintenance)
Skin Disorder/Dermatogenetics/Somatic mosaicism
Thalassemia
UPD/Imprinting Disorders
e-learning

#### Online Application

<https://cloud.itsc.cuhk.edu.hk/webform/view.php?id=4366669>

#### Registration and Enquiry

Miss Jessica Sit

Tel: 852-3505 1527

Fax: 852-2636 0008

Email: [jessicascw@cuhk.edu.hk](mailto:jessicascw@cuhk.edu.hk)