



Professional Training Course in Scientific Skills, Laboratory Safety and Management

(which is the course CNGT6001 in Master of Science in Medical Genetics)

Date: 2-4 Sep and 4-5 Nov 2017

Room 301 and 303, 3/F, Li Ka Shing Institute of Health Science, Prince of Wales Hospital, Shatin
And

Allan Chang Seminar Room, Block E, 1/F, 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.

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.

Course Description

[1] Presentation and communication skills: This module will cover generation, transmission and reception of messages; conflict resolution and negotiation; defining objectives; modes of presentation and communication including prompts, ideas, memos, letters, resumes, proposals, tenders, posters, theses, research papers and grant applications; critical analysis, argument and opinion; plagiarism and citation; presentation skills including poster and oral presentations, public speaking, interview and phone interview; use of audio-visual aids.

[2] Laboratory safety: It covers biosafety levels; laboratory containment, design and facilities; laboratory equipment; fire and electrical safety; guidelines and code of practice; safety organization and surveillance; safety checklist, training programme and rules for supportive staff; disinfection, decontamination and disposal of bio-hazardous, chemical and radioactive waste.

[3] Laboratory management: It deals with the organization of core laboratory and reference laboratory, laboratory practice regulations, implementation and monitoring of laboratory safety, equipment evaluation, financial budgeting and controlling, tendering, stock taking, auditing, decision making, formulation of laboratory policies and standard operating procedure, laboratory accreditation, personnel management, handling conflicts in work environment.

Assessment

Written examination

Language

English

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

Overseas speaker



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

Sep course schedule (Total 15 hours)

Date		Time	Hours	Venue
2-Sep 2017	Sat	09:00-12:00	3	LKS301
3-Sep 2017	Sun	09:00-13:00	4	LKS303
4-Sep 2017	Mon	09:00-16:00	6	LKS303
e-learning (video for self-study)			2	-
<i>LKS301: Room 301, 3/F, Li Ka Shing Institute of Health Science, PWH</i>				
<i>LKS303: Room 303, 3/F, Li Ka Shing Institute of Health Science, PWH</i>				

Nov course schedule (Total 11 hours)

Date		Time	Hours	Venue
4-Nov 2017	Sat	09:00-19:00	9	ACS
5-Nov 2017	Sun	10:00-12:00	2	ACS
<i>ACS: Allan Chang Seminar Room, Block E, 1/F, PWH</i>				

Accreditation

Pending **CME** points accredited by HKCOG

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 written examination

Certificate of Attendance

An overall attendance rate of 80% but fails examination

Course program

CNGT6001	Basic Principles of Communications
CNGT6001	Basic Use of Computers in Medical Laboratory Sciences: Acts, Copyrights and Privacy I
CNGT6001	Basic Use of Computers in Medical Laboratory Sciences: Acts, Copyrights and Privacy II
CNGT6001	Bioethics, Biomedical Research and Regulations
CNGT6001	Biological Safety in Laboratory
CNGT6001	Chemical Hazards - Storage, Handling and Disposal
CNGT6001	Code, Standards of Practice and Conduct in Practicing Medical Technology in Hong Kong
CNGT6001	Communication: Presenting Skill
CNGT6001	Communications with the Public including patient care
CNGT6001	Financial Management I
CNGT6001	Financial Management II
CNGT6001	General aspects of Professionalism
CNGT6001	Human Resource Management I
CNGT6001	Human Resource Management II
CNGT6001	Laboratory Operation and Management in Baylor
CNGT6001	Laboratory Operations I: lab tour + operation
CNGT6001	Laboratory Operations II: demonstration
CNGT6001	Laboratory Safety and Management I (video)
CNGT6001	Laboratory Safety and Management II (video)
CNGT6001	Overview of Laboratory Safety
CNGT6001	Physical Hazards and Equipment Hazards
CNGT6001	Principles of Laboratory Management I
CNGT6001	Principles of Laboratory Management II
CNGT6001	Written Communications in the Public Sector

Registration and Enquiry

Miss Jessica Sit

Tel: 852-3505 1527

Fax: 852-2636 0008

Email: jessicascw@cuhk.edu.hk