

# Workshop on Application of Whole Exome Sequencing (WES) in Prenatal and Paediatric period

Date: 23 January 2016 (Sat) Time: 09:00-13:00

Tutorial Room, 3/F, Postgraduate Education Centre, School of Public Health, Prince of Wales Hospital, Shatin

#### Background

Whole Exome Sequencing is a newly developed test for the identification of mutations that are causative or related to the medical disease. In contrast to single gene sequencing tests, the Whole Exome Sequencing test analyze the exons or coding regions of thousands of genes simultaneously using next-generation sequencing techniques.

The utilization of Whole Exome Sequencing in Paediatrics has been successful for the identification of rare genetic diseases. The recent introduction of prenatal whole exome sequencing for pregnancies with structural anomalies could potentially allow Obstetricians to diagnose rare genetic diseases in the prenatal period.

#### Organisers

Department of Obstetrics and Gynaecology, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong

### Accreditation (Pending)

CME points accredited by HK College of Obstetricians and Gynaecologists CME points accredited by HK College of Paediatricians CME points accredited by Faculty of Medicine, CUHK for the practising doctors PEM points accredited by Department of Obstetrics and Gynaecology, CUHK CNE points accredited by The Nethersole School of Nursing, CUHK

### Language English

### Registration and enquiry

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### **Program Timetable**

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Time	Торіс
09.00-09.30	Understanding the technology of WES
09.30-10.00	How to determine pathogenicity of variants
10.00-10.30	Counseling and consent before WES
10.30-10.45	Break
10.45-11.30	Practical tips: How to interpret WES report with case illustration
11.30-12.15	Application of WES in Paediatric period with case sharing
12.15-13.00	Application of WES in Prenatal period: Practical issue and
	case sharing

### Speaker



#### CHRISTINE M. ENG, M.D.

Professor, Molecular and Human Genetics Baylor College of Medicine Chief Quality Officer, Vice President, Executive Lab Director, Baylor Miraca Genetics Laboratories Director, Storage Disorders Clinic Texas Children's Hospital

My research interests are directed towards translational medicine, specifically the application of molecular genetics to the diagnosis and treatment of genetic diseases. Recently, my efforts have been focused on laboratory and clinical aspects of genetic testing and clinical research in lysosomal storage diseases.

## Registration (HK\$100)

Surname	First Name	
Title	Prof. / Dr. / Mr. /Ms	
Specialty	Obstetrician / Paediatricians / Trainee / Nurse /	
	Others:	
Position		
Department		
Organization	(Hospital)	
Tel	Fax	
Email		
By Cheque (Payable to <b>The Chinese University of Hong Kong</b> )		
Cheque no.	: Bank Name:	
By Credit Card - Card holder's name:		
Signature:Date:		
Credit Card Number Expiry Date (mm/yy)		

Please charge the above credit card of amount HK\$100