



*1<sup>st</sup> Announcement*

*Organised by School of Pharmacy*

## Evidence Synthesis Workshop

**3<sup>rd</sup> to 6<sup>th</sup> August 2015**

**Sunway Resort Hotel,**

**Bandar Sunway, Selangor, Malaysia**

You are invited to attend the evidence synthesis workshop, organized by the School of Pharmacy, Monash University Malaysia. Evidence synthesis is considered a necessary component for health technology assessment (HTA). Systematic reviews and meta-analyses are used as tools to compare the benefits and harms of interventions for HTA. This workshop is aimed at providing participants with an extensive understanding of evidence synthesis through systematic review and classical pairwise meta-analysis for the foundation level, and evidence synthesis through network-meta-analysis for the advanced level. This workshop will also provide participants with the necessary skills to develop the confidence to apply these methodologies to develop the evidence base for health technology assessments.

### Features of this workshop

- This is the first time that the advanced level workshop is being offered in Asia
- The workshop is very customized. Participants have a choice of attending only the foundation level (3 days) or advanced level (1 day) or a combination of both levels (4 days)
- It is the first time experts in the field will be brought together to share their experiences in using various approaches of network meta-analysis.

### Who should attend

This workshop is suitable for clinicians (doctors, nurses, pharmacists, and other healthcare professionals), academicians, researchers, and postgraduate students. This workshop is designed for those interested in undertaking a systematic review and meta-analysis. For foundation level, no previous knowledge of systematic review is required. For advanced level, a basic understanding of meta-analysis is required.

### Registration:

#### Foundation level

Early Bird : RM 2800 (by 1<sup>st</sup> July 2015)

Normal : RM 3000

Students: RM2000

#### Advanced level

Early Bird : RM 1500 (by 1<sup>st</sup> July 2015)

Normal : RM 1700

Foundation + Advanced level : RM 4000  
(RM3000 for students)

Kindly contact Dr Sabrina Anne Jacob at [sabrina.anne@monash.edu](mailto:sabrina.anne@monash.edu) or +60355145885 for registration and further information on the Workshop.



## SPEAKERS

### Professor Nathorn Chaiyakunapruk



Professor Nathorn Chaiyakunapruk joined Monash University as a Professor of Health Economics. He is best known for his research expertise in systematic review and meta-analysis; health economics, and pharmacoepidemiology/outcomes research. Prof Nathorn has more than 70 international publications, and he has applied his expertise in a wide range of research topics in pharmacy, medicine, and public health.

### Dr Lai Nai Ming



Dr. Lai Nai Ming is an Associate Professor of Paediatrics in the School of Medicine, Taylor's University. His training was in neonatology with a research interest in using evidence-based medicine for improving clinical patient care. He is also a trainer of systematic review using the Cochrane method. Dr Lai is directly involved in more than 20 Cochrane reviews in various stages of development, and is mentoring the development of 15 further reviews in the Malaysian National Institute of Health and universities.

### Dr Ammarin Thakkinstian



Dr. Ammarin Thakkinstian is currently working at the Clinical Epidemiology and Biostatistics Unit, Ramathibodi Hospital, Mahidol University. She is a biostatistician by training and has an expertise in meta-analysis, particularly its application in genetic association study. To date, Dr Thakkinstian has published more than 100 international publications.

### Dr Shaun Lee



Dr Shaun Lee is a senior lecturer currently working in the School of Pharmacy, Monash University Malaysia. He is a pharmacist by profession and has a keen interest in evidence synthesis including network meta-analysis. Dr Shaun has also worked in clinical data management as well as clinical trials.



## PROGRAMME

### Part 1: Foundation level - Systematic review and meta-analysis workshop (3-days)

#### Day 1 –August 3, 2015

Topic	Duration (hr)	Speaker
Introduction to systematic review and meta-analysis	1	Prof Nathorn
Steps in conducting Systematic Reviews and Meta-analyses <ul style="list-style-type: none"> <li>• Question formulation</li> <li>• Searching</li> <li>• Data extraction</li> </ul>	2	Prof Nathorn
Assessing the quality of clinical trials using risk of bias assessment	1	Dr Lai
Assessing the quality of observational studies	0.5	Prof Nathorn
<b>Workshop # 1: Data extraction &amp; quality assessment</b>	1.5	Prof Nathorn /Dr Lai

#### Day 2 –August 4, 2015

Topic	Duration (hr)	Speaker
Statistical analyses in Meta-analysis <ul style="list-style-type: none"> <li>• Assessing heterogeneity</li> <li>• Pooling method</li> <li>• Exploring small study effect</li> </ul>	3	Prof Nathorn
<b>Workshop # 2: Performing a meta-analysis</b>	3	Prof Nathorn

#### Day 3 –August 5, 2015

Topic	Duration (hr)	Speaker
Critical appraisal of systematic review and meta-analysis & GRADE assessment	1	Prof Nathorn
<b>Workshop # 3: Critical appraisal of systematic review and meta-analysis</b>	2	Prof Nathorn /Dr Lai
Application of systematic review and meta-analysis (covering the use of SR/MA for animal studies, RCT, observational, and policy & system research)	1.5	Prof Nathorn
Extending meta-analysis beyond pairwise comparison	1.5	Prof Nathorn



## PROGRAMME

### Part 2: Advanced level - network-meta-analysis workshop (1-day)

Day 4 –August 6, 2015

Topic	Duration (hr)	Speaker
Introduction to indirect comparison and network meta-analysis	1	Prof Nathorn
Network meta-analysis: Dealing with heterogeneity and inconsistency	1	Prof Nathorn
<b>Workshop # 4:</b> <i>Performing frequentist approach network meta-analysis using “expanded individual patient” level</i>	2	Dr Ammarin
<b>Workshop # 5:</b> <i>Performing network meta-analysis using “network” commands</i>	1	Prof Nathorn/ Dr Shaun
Critical appraisal of network meta-analysis	0.5	Prof Nathorn
Summary	0.5	Prof Nathorn