



# MFUIC

Mae Fah Luang University International Conference 2016 on  
"Advance in Medical and Health Sciences"

# & KTCM

Kaleidoscope of Traditional and Complementary Medicine  
International Conference 2016 on  
"Fostering Traditional and Complementary Medicine Through Research"

# 2016

---

**23 - 25 November 2016**

---

**MAE FAH LUANG UNIVERSITY**  
Chiang Rai, Thailand



# Welcome Message



## Keynote speakers, distinguished guests and delegates:

On behalf of Mae Fah Luang University, it is a great pleasure to extend a very warm welcome to you all on this special occasion, MFUIC and KTCM 2016, the 3<sup>rd</sup> Mae Fah Luang University International Conference.

Mae Fah Luang University (MFU) is an autonomous public university established in 1998 to meet the higher education needs of people in the north of Thailand; and to commemorate the gracious contributions of the late King Bhumipol's Mother, Her Royal Highness Princess Srinagarindra, who during her lifetime worked tirelessly to improve the lives of poor people in rural areas.

With the vision to be a leading university in the Greater Mekhong Sub-region (GMS), and in ASEAN, we have provided a number of high quality academic programmes in the field of Health Science. The curricula have been selectively designed to be unique and meet international standards so that our graduates will be able to share their talents with the world.

Our new hospital, which is going to be one of the biggest Medical Centres in this region, is under construction and will be ready to open in February, 2018.

I am especially pleased to welcome the 300 participants from all over the world present here today, who work, teach, or study in the disciplines related to public health and medicine. Please accept our warm welcome to Mae Fah Luang University.

I hope that this conference will set the course for strong future collaboration and networking with different parts of the world, in all fields of healthcare. It is clear from the number of delegates who are here today, and from the number of papers submitted for the conference, that you too recognize the importance of such a direction.

I would like to take this opportunity to thank the World Health Organization (WHO) for its participation and support in the organization of this event. It is the first time we have had such a gathering on this campus in which the WHO has so prominently participated and supported. We are also fortunate to have great support from many other organizations, whose representatives I hope you will have the opportunity to meet during the conference.

Thank you all once again for taking the time to participate in this conference. I hope you will enjoy today and the next two days of the conference here at Mae Fah Luang University, Chiang Rai.

Sincerely Yours,

**Assoc. Prof. Vanchai Sirichana, Ph.D.**  
President of Mae Fah Laung University



# Contents

<b>Welcome Message</b>	5
<b>Conference Committee</b>	8
<b>Program</b>	
Program Overview	13
Program Schedule	14
Technical Program	
Oral Presentation	
HCS: Health Care System	20
HED: Health of the Elderly and the Disabled	22
InfD: Infectious Diseases	23
MIPH: Migrant / Indigenous Population Health	26
NInfD: Non-Infectious Diseases	27
KTCM: Kaleidoscope of Traditional and Complementary Medicine	30
Poster Presentation Session	33
HCS: Health Care System	34
HED: Health of the Elderly and the Disabled	35
InfD: Infectious Diseases	36
NInfD: Non-Infectious Diseases	38
KTCM: Kaleidoscope of Traditional and Complementary Medicine	39
<b>Map &amp; Plan</b>	43
<b>Keynote Speakers</b>	49



# Program Overview

	Day 1: 23 November 2016	Day 2: 24 November 2016	Day 3: 25 November 2016
08:00 - 08:15			
08:15 - 08:30			
08:30 - 08:45	Registration	Registration	
08:45 - 09:00			
09:00 - 09:15	Openning Ceremony	<b>Keynote Speakers</b>	Oral Presentation
09:15 - 09:30		Prof. Dr. Yong Poovorawan	Oral Presentation
09:30 - 09:45	Presentation of Travel Award Certificate		
09:45 - 10:00	<b>Keynote Speakers</b>		
10:00 - 10:15	Prof. Dr. Samlee Plianbangchang		
10:15 - 10:30			Coffee Break
10:30 - 10:45	Coffee Break	Coffee Break	
10:45 - 11:00			
11:00 - 11:15	<b>Keynote Speakers</b>	<b>Keynote Speakers</b>	Oral Presentation
11:15 - 11:30	Dr. Daniel Kertesz	Prof. Dr. Roberto Bruzzone	Oral Presentation
11:30 - 11:45		Prof. Dr. Byoung Mohk Choi	
11:45 - 12:00	<b>Keynote Speakers</b>		
12:00 - 12:15	Prof. Dr. Michael Heinrich		
12:15 - 12:30		Lunch Break	
12:30 - 12:45			
12:45 - 13:00			
13:00 - 13:15	Lunch Break		
13:15 - 13:30		<b>Keynote Speakers</b>	<b>Keynote Speakers</b>
13:30 - 13:45	<b>Keynote Speakers</b>	Prof. Dr. Hiroshi Mizuno	Prof. Xie Qi
13:45 - 14:00	Prof. Dr. Umesh Kapil		
14:00 - 14:15			
14:15 - 14:30	Coffee Break	Oral Presentation	Oral Presentation
14:30 - 14:45			
14:45 - 15:00	<b>Keynote Speakers</b>		
15:00 - 15:15	Prof. Dr. Pulok Kumar Mukherjee		
15:15 - 15:30			
15:30 - 15:45		Coffee Break	
15:45 - 16:00			
16:00 - 16:15			
16:15 - 16:30			
16:30 - 16:45		Poster Presentation	
16:45 - 17:00			
17:00 - 17:15			
17:15 - 17:30			
18:00 - 21:00	Welcome Banquet		