Timetable:

Day / Time	Activity	Speaker	Room
22 May 2017			
8.30 – 8.45 am	Registration		3312
8.45 – 9.00 am	Opening session	Dean, Faculty of Pharmaceutical Sciences, Khon Kaen University	3312
9.00 – 9.10 am	Introductory remarks	Assoc Prof Nutjaree Pratheepawanit Johns	3312
9.10 – 10.30 am	Overviewand introductiontoClinical Outcome Assessments and Patient Reported Outcomes	Prof Sam Salek	3312
10.30 – 11.00 pm	**Tea Break**		3301-3302
11.00 – 12.30 pm	Current state of COAs or PROs measurement – clinical trials / routine clinical practice.	Assoc Prof Nutjaree Pratheepawanit Johns	3312
12.30 – 1.30 pm	**Lunch Break**		3301-3302
1.30 – 2.15 pm	Breakouts to share experiences in use and development of PROs	Prof Sam Salek, Assoc Prof NutjareePratheepawanit Johns Dr Paul Kamudoni, Dr Jeffrey Johns	3312
2.15 – 3.15 pm	Roadmap for development of PROs - classical approaches	Prof Sam Salek	
3.15 – 3.30 pm	**Coffee Break**		3301-3302
3.30 – 4.30 pm	Roadmap for development of PROs – novel approaches	Dr Paul Kamudoni	
23 May 2017			
8.30 – 9.00 am	Registration		3312
9.00 – 9.10 am	Recap for day 1 and introductory remarks for day 2	Prof Sam Salek	
9.10 – 10.15 am	Applying qualitative research methods in the development of PRO instruments: best practice	Assoc Prof NutjareePratheepawanit Johns	3312
10.15 – 10.45 pm	**Tea Break**		3301-3302
10.45 – 12.30 pm	Applying modern test theory approaches to PRO instrument development	Dr Paul Kamudoni	
12.30 – 1.30 pm	**Lunch Break**		3301-3302
1.30 – 3.15 pm	Live data sessiontutorial clinic 1: applying classical &item response theory methods to PRO measure validation	Assoc Prof NutjareePratheepawanit Johns Prof SamSalek Dr Paul Kamudoni Dr Jeffrey Johns	3312

3.15 – 3.30 pm	Coffee Break		3301-3302
3.30 – 4.30 pm	Live data session tutorial clinic 2: applying classical & item response theory methods to PRO measure validation	Assoc Prof NutjareePratheepawanit Johns Prof Sam Salek Dr Paul Kamudoni Dr Jeffrey Johns	

Notes:

During the live data session various analysis techniques related to classical and item response theory will be demonstrated using different software such as R, RUMM 2030, and M-PLUS. In addition, throughout the live data session a data clinic will be run, to address specific data-related issues /questions that participants may bring to the workshop.

Speakers:

Prof Sam Salek
  University of Hertfordshireand Institute for Medicines Development, UK

AssocProf NutjareePratheepawanit Johns
  Melatonin Research Group and Faculty of Pharmaceutical Sciences, KhonKaen University, Thailand

Dr Paul Kamudoni
  Institute for Medicines Development, UK

Dr Jeffrey Johns
  Melatonin Research Group and Faculty of Pharmaceutical Sciences, KhonKaen University, Thailand