

Day	Monday July 10	Tuesday July 11	Wednesday July 12	Thursday July 13	Friday July 14
	Chair – P. Newton	Chair – M. Deats	Chair- R. Ravinetto	Chair – M. Lieberman	Chair – V. Wirtz
09:00-10:00	Welcome and introductions	Medicine regulation in LMICs (Part I)	Group work – Supplier MQAS Audit	Group Exercise: Epidemiology & Sampling	Robust Technology Development for Drug Quality Testing (until 10:30)
	P. Newton & V. Wirtz	S. Phanouvong	R. Ravinetto	C. Caillet	M. Zaman, D. Desai
10:00-11:00	Medicine Quality—Definitions and Public Health Impact (Part I)	Medicine regulation in LMICs (Part II)	Group Presentations – An Exercise	Review of the Different Technologies and Devices	Q&A session (30 min)
	P. Newton	S. Phanouvong	R. Ravinetto	S. Zambrzycki & C. Caillet	Faculty and participants
11:00-11:15	Tea/coffee	Tea/coffee	Tea/coffee	Tea/coffee	Tea/coffee
11:15-12:45	Medicine Quality—Definitions and Public Health Impact (Part II)	Protecting the U.S. Drug Supply Chain	Promoting the Quality of Medicines	Chemical analysis –Mass Spectrometry & Forensic Techniques	Counterfeit Medicines: A North American Perspective
	P. Newton	S. Vaswani Chatterjee	J. Nwokike	D. Gaul	B. Donnelly
12:45-13:30	Lunch	Lunch	Lunch	Lunch	Lunch
13:30-14:30	Supply Chains in Low and Middle-Income Countries	Quality of Medicines: An Ethical Issue?	Medical Devices & Vaccines	Internet Pharmacies & Medicine Quality	Medicines for NCDs
	R. Ravinetto	R. Ravinetto	R. Ravinetto	T. Muntinga	R. Laing & V. Wirtz
14:30-15:30	GMP, MQAS for Procurement Agencies & Prequalification	Group exercise	Field Screening of Medicines	Hands on Session	Medicines for NCDs
	R. Ravinetto	R. Ravinetto	M. Lieberman	M. Lieberman, M. Zaman/D. Desai, T Muntinga & D. Gaul	R. Laing & V. Wirtz
15:30-16:00	Tea/coffee	Tea/coffee	Tea/coffee	Travel between workstations	Tea/coffee
16:00 – 17:30	Epidemiology & Sampling with group exercise	Substandard and Falsified Medical Products	High-performance liquid chromatography (HPLC)	Hands on Session	Discussion Panel and Course Feedback
	C. Caillet	M. Deats	M. Lieberman	M. Lieberman, Zaman/ Desai, T Muntinga & D. Gaul	Faculty and participants
Evening 18:00	Course Reception and open mic	Optional walk - Freedom Trail	Film Screening The Third Man	19:00 Course Dinner	Free