



5th Advanced TB Diagnostic Research Course

McGill University, Montreal, Quebec, Canada – July 13-17, 2015

Venue: Chancellor Day Hall
McGill University
3644 rue Peel (enter at 3660 rue Peel)
Montreal, QC, H3A 1W9
Room 100
<https://goo.gl/maps/kjZoj>

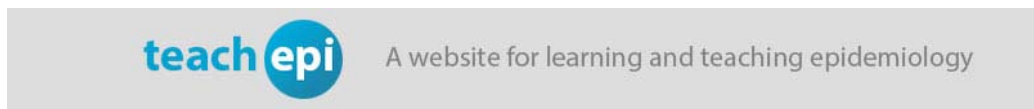
COURSE SCHEDULE: OUTLINE

Day	Date	Time	Major themes
1	July 13, Mon	8.30 AM – 5.00 PM	Global value chain, pipeline, TPPs, TB diagnostics development
2	July 14, Tues	9.00 AM – 5.00 PM	Market research, incremental value, diagnostic thinking impact, reference standards, patient impact, TB Tech Pitch
3	July 15, Wed	9.00 AM – 5.00 PM	Implementation research, qualitative research
4	July 16, Thur	9.00 AM – 5.00 PM	Meta-analysis, GRADE, guidelines, modeling
5	July 17, Fri	8.30 AM – 3.30 PM	Modeling, cost effectiveness

ORGANIZED WITH SUPPORT FROM THESE PARTNERS:



Course website: www.teachepi.org



Funding support from:








5th Advanced TB Diagnostic Research Course

McGill University, Montreal, Quebec, Canada – July 13-17, 2015

Day 1, July 13, 2015 [Monday]




Time	Lecture	Faculty
8.00 AM	Registration	
8.30 – 9.00 AM	Welcome, introductions, and goals	All
9.00 – 10.15 AM	The big picture: global value chain for TB diagnostics	M Pai
10.15 – 10.45 AM	Coffee	
10.45 – 12.00 PM	 Panel discussion: Scale-up of existing WHO-endorsed tools – country experiences and challenges <i>Moderator: M Pai</i>	E Qadeer P Yu M Eang C Sandy M Joloba L Isherwood S Khaparde
12.00 – 1.00 PM	Lunch	
1.00 – 1.45 PM	Defining the needs for the next-generation TB tests	C Denkinger
1.45 – 2.30 PM	Molecular diagnostics: Making sense of a crowded landscape	D Boyle
2.30 – 3.30 PM	 Panel discussion: Gaps in the pipeline: what are the critical needs? <i>Moderator: C Denkinger</i>	K Saravu W Degu C Ama G Akang S Vijayan T Roberts B Kumar
3.30 – 4.00 PM	Coffee	
4.00 – 5.00 PM	 Panel discussion: Can industry fill the gaps? What is the role of donors? <i>Moderator: M Pai</i>	G Johns J Manwell J Davidson C Denkinger A Piatek C Boon
5.00 – 5.15 PM	Group picture	
5.30 – 6.30 PM	Wine and Cheese Reception Venue: Bellini Building (3649 Promenade Sir-William-Osler Montreal, QC, H3G 0B1)	



5th Advanced TB Diagnostic Research Course

McGill University, Montreal, Quebec, Canada – July 13-17, 2015

Day 2, July 14, 2015 [Tuesday]


Time	Lecture	Faculty
9.00 – 10.00 AM	 <p>Panel discussion: What is the market for TB diagnostics? <i>Moderator: M Pai</i></p>	<p><u>Presenter:</u> C Jefferson</p> <p><u>Discussants:</u> G Johns A Piatek C Denkinger H Dabas H Dong M Walls</p>
10.00 – 11.00 AM	 <p>Panel discussion: Optimal reference standards for test evaluation <i>Moderator: M Pai</i></p>	<p>C Denkinger K Kranzer C Ho D Boyle P Nwadike</p>
11.00 – 11.20 AM	Coffee	
11.20 – 12.00 PM	Diagnostic prediction models and incremental value	N Dendukuri
12.00 – 12.45 PM	Lunch	
12.45 – 1.15 PM	Impact of test results on diagnostic thinking	M Pai
1.15 – 2.00 PM	Diagnostic RCTs in TB	C Denkinger
2.00 – 2.45 PM	Measuring clinical impact: methodological issues and challenges	S Schumacher (via Skype)
2.45 – 3.15 PM	Coffee	
3.15 – 4.30 PM	 <p>Product developers will pitch their product ideas and get candid feedback.</p>	<ol style="list-style-type: none"> 1. Alere 2. Advenio 3. GBD Bio 4. Abbott Molecular 5. Epistem 6. Apopo 7. DNA GenoTek 8. Tangen Biosciences 9. Nanosynth & U.Utah 10. KA Imaging
4.30 – 5.00 PM	Achieving convergence between new diagnostics and drug regimens	M Schito



5th Advanced TB Diagnostic Research Course

McGill University, Montreal, Quebec, Canada – July 13-17, 2015

Day 3, July 15, 2015 [Wednesday]


Time	Lecture	Faculty
9.00 – 9.40 AM	Implementation Science – rationale and application to TB diagnostics research	A Cattamanchi (via skype)
9.40 – 10.20 AM	Improving case detection in the Indian private sector in Mumbai	S Vijayan
10.20 – 11.00 AM	Improving case detection in remote Arctic communities	G Alvarez
11.00 – 11.20 AM	Coffee	
11.20 – 12.15 PM	Barriers to POC testing: insights from qualitative research	N Engel
12.15 – 1.00 PM	Lunch	
1.00 – 1.45 PM	Importance of reproducibility: case study of IGRAs	N Banaei (via Skype)
1.45 – 2.30 PM	Xpert MTB/RIF in high incidence settings: TB REACH experience	J Creswell
2.30 – 3.00 PM	Coffee	
3.00 – 3.45 PM	Improving access in the private sector: the IPAQT model in India	H Dabas
3.45 – 5.00 PM	 <p>Panel discussion: Can we exploit dCXR to improve case finding? <i>Moderator: M Pai</i></p>	K Bose J Creswell S Vijayan A Malik B Doulla T Pande A McDowell




5th Advanced TB Diagnostic Research Course

McGill University, Montreal, Quebec, Canada – July 13-17, 2015

Day 4, July 16, 2015 [Thursday]

Time	Lecture	Faculty
9.00 – 10.15 AM	Systematic reviews of diagnostic accuracy	K Steingart
10.15 – 10.45 AM	SR: case study: Xpert MTB/RIF in children	A Detjen (via skype)
10.45 – 11.15 AM	Coffee	
11.15 – 12.00 PM	SR: case study: Predictive value of IGRAs and TST	S Kik (via Skype)
12.00 – 1.00 PM	Lunch	
1.00 – 2.15 PM	Guideline development in TB diagnostics	K Steingart
2.15 – 3.15 PM	 Panel discussion: How do countries make policies on new diagnostics? <i>Moderator: M Pai</i>	G Akang M Eang P Yu B Mutayoba C Sandy E Qadeer L Isherwood
3.15 – 3.45 PM	Coffee	
3.45 – 5.00 PM	Mathematical modeling: an introduction	D Dowdy

Day 5, July 17, 2015 [Friday]

Time	Lecture	Faculty
8.30 – 9.30 AM	Transmission modeling of TB diagnostics	D Dowdy
9.30 – 10.30 AM	Cost-effectiveness analysis of TB diagnostics	D Dowdy
10.30 – 10.50 AM	Coffee	
10.50 – 11.50 AM	Challenges in modeling TB diagnostics	D Dowdy
11.50 – 12.30 PM	Modeling for decision-making	D Dowdy
12.30 – 1.15 PM	Lunch	
1.15 – 2.30 PM	 Panel discussion: Linking models to decision-making in public health & policy <i>Moderator: D Dowdy</i>	B Toxanbayeva C Ho R Fatima D Nair Si Thu Aung S Khaparde M Lisboa
2.30 – 3.15 PM	Modeling and cost-effectiveness: a synthesis	D Dowdy
3.15 – 3.30 PM	Course evaluations and closure	M Pai