

4th Advanced TB Diagnostic Research Course

AN INTENSIVE, HIGH-LEVEL COURSE ON TB DIAGNOSTIC RESEARCH METHODS
McGill University, Montreal, Quebec, Canada - July 7–11, 2014

 Centre international de TB McGill	<p>Hosted by</p>  McGill International TB Centre	<p>Venue:</p> <p>McConnell Engineering Building, McGill University, main campus, 3480 University Street, room 11 Montreal, QC H3A 0E9</p>
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COURSE SCHEDULE: OUTLINE

Day	Date	Time	Major themes
1	July 7, Mon	8.30 AM – 5.30 PM	Global value chain, pipeline, TPPs, TB diagnostics development
2	July 8, Tues	8.30 AM – 4.00 PM	Market research, incremental value, diagnostic thinking impact, reference standards, patient impact, TB Tech Pitch
3	July 9, Wed	8.30 AM – 4.00 PM	Implementation research, qualitative research
4	July 10, Thur	8.30 AM – 5.00 PM	Meta-analysis, GRADE, guidelines, modeling
5	July 11, Fri	8.30 AM – 3.30 PM	Modeling, cost effectiveness

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Course website: www.teachepi.org






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Day 1, July 7, 2014 [Monday]


Time	Lecture	Faculty
8.00 AM	Registration	
8.30 – 9.00 AM	Welcome and Introductions	All
9.00 – 10.30 AM	The big picture: global value chain for TB diagnostics	M Pai
10.30 – 11.00 AM	Coffee	
11.00 – 12.00 PM	 <p>Panel discussion: Scale-up of existing WHO-endorsed tools – country experiences and challenges <i>Moderator: J Creswell</i></p>	J Kioko B Alisjahbana S Tahseen D Rienthong VP Myneedu L Vanleeuw
12.00 – 12.45 PM	Lunch	
12.45 – 1.45 PM	 <p>Panel discussion: Private sector: how do we scale-up WHO-endorsed tests? <i>Moderator: M Pai</i></p>	P Maheshwari A Parulkar S Kelamane S Srinath J Creswell S Hossain
1.45 – 2.30 PM	Beyond Xpert: fast-followers and NAAT pipeline	D Boyle
2.30 – 3.00 PM	Coffee	
3.00 – 4.15 PM	 <p>Panel discussion: Gaps in the pipeline: priority target product profiles <i>Moderator: M Pai</i></p>	<u>Presenters:</u> C Denkinger & S Kik <u>Discussants:</u> J Gallarda M Casenghi J Creswell A Ramsay S Laal N Engel
4.15 – 5.30 PM	 <p>Panel discussion: Can industry fill the gaps? <i>Moderator: J Gallarda</i></p>	G Johns M Norman U Ochsner A Suresh B Satterfield M Miller
5.45 – 6.45 PM	Wine and Cheese Reception Hosted by McGill International TB Centre Venue: Thomson House, 3650 Rue McTavish	

Day 2, July 8, 2014 [Tuesday]


Time	Lecture	Faculty
8.30 – 9.45 AM	 <p>Panel discussion: What is the market for TB diagnostics? <i>Moderator: M Pai</i></p>	<p><u>Presenter:</u> S Kik</p> <p><u>Discussants:</u> J Gallarda G Johns A Piatek L Smith C Denkinger</p>
9.45 – 10.45 AM	 <p>Panel discussion: Optimal reference standards for test evaluation <i>Moderator: M Pai</i></p>	<p>C Denkinger A Cattamanchi G Theron A Ramsay S Kik M Casenghi</p>
10.45 – 11.15 AM	Coffee	
11.15 – 12.00 PM	Diagnostic prediction models and incremental value	S Schumacher
12.00 – 12.45 PM	Lunch	
12.45 – 1.00 PM	Impact of test results on diagnostic thinking	M Pai
1.00 – 1.45 PM	Diagnostic RCTs in TB: Same-day smear diagnosis	A Ramsay
1.45 – 2.30 PM	Diagnostic RCTs in TB: Xpert MTB/RIF	G Theron
2.30 – 2.50 PM	Coffee	
2.50 – 4.00 PM	 <p>Product developers will pitch their product ideas and get candid feedback.</p>	<ol style="list-style-type: none"> 1. Global BioDiagnostics 2. TB Biosciences 3. Alere Inc. 4. Co-Diagnostics HBDC 5. ClaremontBio/KGI 6. CellScope, UC Berkeley 7. SomaLogic Inc. 8. BD Diagnostics

Day 3, July 9, 2014 [Wednesday]


Time	Lecture	Faculty
8.30 – 9.30 AM	 <p>Panel discussion: Measuring clinical impact: methodological issues and challenges <i>Moderator: S Schumacher</i></p>	<p>A Cattamanchi A Ramsay G Theron J Creswell C Denkinger A Kritski</p>
9.30 – 10.10 AM	Implementation research in TB diagnostics: case studies	A Cattamanchi
10.10 – 10.50 AM	Implementation research in TB diagnostics: case studies	A Ramsay
10.50 – 11.15 AM	Coffee	
11.15 – 12.15 PM	Barriers to POC testing: insights from qualitative research	N Engel
12.15 – 1.00 PM	Lunch	
1.00 – 2.00 PM	Xpert MTB/RIF in high incidence settings: TB REACH experience	J Creswell

2.00 – 2.40 PM	Importance of reproducibility: case study of IGRAs	N Banaei (via Skype)
2.40 – 3.00 PM	Coffee	
3.00 – 4.00 PM	 <p>Panel discussion: Are high burden countries ready for molecular tests? <i>Moderator: A Ramsay</i></p>	VP Myneedu S Tahseen B Kamaldeen T Togun R Kingsbury N Ntinginya

Day 4, July 10, 2014 [Thursday]

Time	Lecture	Faculty
8.30 – 10.00 AM	Systematic reviews of diagnostic accuracy	K Steingart
10.00 – 10.30 AM	Coffee	
10.30 – 11.15 AM	SR: case study: Xpert for EPTB	S Schumacher
11.15 – 12.00 PM	SR: case study: Predictive value of IGRAs and TST	S Kik
12.00 – 12.45 PM	Lunch	
12.45 – 1.45 PM	 <p>Panel discussion: How do countries make policies on new diagnostics? <i>Moderator: M Pai</i></p>	J Kioko T Balcha S Tahseen B Alisjhabana S Hossain Y Lema
1.45 – 2.45 PM	Guideline development in TB diagnostics	K Steingart
2.45 – 3.15 PM	Coffee	
3.15 – 5.00 PM	Mathematical modeling: an introduction	D Dowdy

Day 5, July 11, 2014 [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 AM	Modeling for decision-making	D Dowdy
12.30 – 1.15 PM	Lunch	
1.15 – 2.30 PM	 <p>Panel discussion: Linking models to decision-making in public health & policy <i>Moderator: D Dowdy</i></p>	U Agarwal S Srinath A Kritski J Oliwa A Ramsay
2.30 – 3.15 PM	Modeling and cost-effectiveness: a synthesis	D Dowdy
3.15 – 3.30 PM	Course evaluations and closure	M Pai