



McGill

McGill Summer Institute in Infectious Diseases and Global Health



6th Advanced TB Diagnostic Research Course

McGill University, Montreal – June 20-24, 2016

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

COURSE SCHEDULE: OUTLINE

Day	Date	Time	Major themes
1	June 20, Mon	8.30 AM – 4.15 PM	Global value chain, pipeline, TPPs, TB diagnostics development
2	June 21, Tues	9.00 AM – 5.00 PM	Market research, incremental value, diagnostic thinking impact, reference standards, patient impact, TB Tech Pitch
3	June 22, Wed	9.00 AM – 5.00 PM	Implementation research, qualitative research
4	June 23, Thur	9.00 AM – 5.00 PM	Meta-analysis, GRADE, guidelines, advocacy
5	June 24, Fri	8.30 AM – 3.30 PM	Modeling, cost effectiveness

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Day 1, June 20 [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	 <p>Panel discussion: Scale-up of existing WHO-endorsed tools – country experiences and challenges <i>Moderator: M Pai</i></p>	D Shah L Mvusi P Koeut H Huang F Mugabe K Azam C Sandy
12.00 – 1.00 PM	Lunch	
1.00 – 1.45 PM	TB diagnostics pipeline: is the pipeline contracting?	D Boyle
1.45 – 2.45 PM	 <p>Panel discussion: Can industry fill the gaps? What is the role of donors? <i>Moderator: M Pai</i></p>	C Kelly-Cirino EJ Baron C Novak M Shah J Gallarda C Boon M Schito
2.45 – 3.15 PM	Coffee	
3.15 – 4.20 PM	 <p>Panel discussion: Aligning the emerging TB drug and diagnostic pipelines <i>Moderator: M Schito</i></p>	J Gallarda EJ Baron B Mutayoba C Daitch A Katamba S Cook-Scalise
4.45 – 7.00 PM	<p>Wine and Cheese Reception @ Malaria Symposium: Science and policy shield the vulnerable from malaria <i>Featuring: Dr. Peter Singer, Grand Challenges Canada, “Malaria eradication- a grant challenge in global health.”</i> Venue: McGill New Residence Hall, 3625 Avenue du Parc</p>	



Day 2, June 21 [Tuesday]

Time	Lecture	Faculty
9.00 – 9.40 AM	Next-generation TB tests: what do we need?	C Denkinger
9.40 – 10.30 AM	 Panel discussion: Optimal reference standards for test evaluation <i>Moderator: M Pai</i>	C Denkinger M Tebruegge M Schito M Salfinger T Togun
10.30 – 11.00 AM	Coffee	
11.00 – 11.45 AM	Test accuracy with imperfect reference standard: the case of childhood TB	N Dendukuri
11.45 – 12.15 PM	Advances in pediatric TB diagnosis	M Tebruegge
12.15 – 1.00 PM	Lunch	
1.00 – 1.45 PM	Diagnostic RCTs in TB: what have we learnt?	C Denkinger
1.45 – 2.20 PM	Measuring clinical impact: methodological issues and challenges	S Schumacher (via Skype)
2.20 – 2.50 PM	Coffee	
2.50 – 3.45 PM	Improving case detection in high incidence settings: TB REACH experience	J Creswell
3.45 – 5.15 PM	 Product developers will pitch their product ideas and get candid feedback	1. Roche 2. DNA GenoTek 3. Cepheid 4. Akonni 5. Abbott Molecular 6. ProteinLogic 7. UW/SATVI 8. QuantuMDx 9. APOPO
5.30 PM	Group picture	


Day 3, June 22 [Wednesday]

Time	Lecture	Faculty
9.00 – 9.45 AM	Implementation Science – rationale and application to TB diagnostics research	A Katamba & A Cattamanchi
9.45 – 10.30 AM	Towards universal DST: Mumbai leads the way	D Shah & R Jain
10.30 – 10.50 AM	Coffee	
10.50 – 11.20 AM	Improving case detection in remote Arctic communities	G Alvarez (Skype)
11.20 – 12.15 PM	Qualitative research: how can it improve product design and implementation?	N Engel
12.15 – 1.15 PM	Lunch	
1.15 – 2.00 PM	IGRAs in low-risk healthcare workers: what have we learnt?	N Banaei (via Skype)
2.00 – 2.45PM	 <p>Panel discussion: Designing, developing & manufacturing diagnostics in LMICs <i>Moderator: J Gallarda</i></p>	L Mvusi M Singh F Mugabe C Sandy A Katamba H Huang H Dabas
2.45 – 3.15 PM	Coffee	
3.15 – 4.10 PM	 <p>Panel discussion: Is sequencing the future of DST? <i>Moderator: J Gallarda</i></p>	Presenter: M Salfinger Discussants: P Desikan M Muyoyeta C Denkinger A Nanoo J Martinez M Schito C Daitch
4.10 – 5.00 PM	Improving access in the private sector: engaging private labs and pharmacies	M Pai H Dabas A Daftary

Day 4, June 23 [Thursday]

Time	Lecture	Faculty
9.00 – 10.15 AM	Systematic reviews of diagnostic accuracy	K Steingart
10.15 – 10.30 AM	SR: case study: CAD for digital CXR	T Pande
10.30 – 11.00 AM	Coffee	
11.00 – 11.30 AM	SR: case study: Rapid CRP as a triage test	A Cattamanchi (via Skype)
11.30 – 12.10 PM	SR: case study: Predictive value of IGRAs and TST	S Kik (via Skype)
12.10 – 1.00 PM	Lunch	
1.00 – 2.15 PM	Guideline development in TB diagnostics	K Steingart
2.15 – 3.00 PM	 Panel discussion: How do countries make policies on new diagnostics? <i>Moderator: M Pai</i>	F Mugabe M Singh L Mvusi P Koeut B Mutayoba H Huang C Sandy
3.00 – 3.30 PM	Coffee	
3.30 – 4.15 PM	 Panel discussion: Universal DST: pros and cons <i>Moderator: M Pai</i>	D Shah O Kachuwaire H Huang N Lingasamy B Mutayoba M Sander F Bonsu
4.15 – 5.00 PM	Advocacy for improving TB diagnosis and care	A Hashmi; R Sankar N Lingasamy Sarah Cook-Scalise

Day 5, June 24 [Friday]

Time	Lecture	Faculty
8.30 – 9.30 AM	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 – 2.15 PM	 Panel discussion: Linking models to decision-making in public health & policy <i>Moderator: D Dowdy</i>	A Bansal S John B Mutayoba L Mvusi D Shah C Khosa M Sekadde
2.15 – 3.00 PM	Modeling and cost effectiveness: a synthesis	D Dowdy
3.00 – 3.30 PM	Course evaluations and closure	M Pai