

Advanced Course on Diagnostics

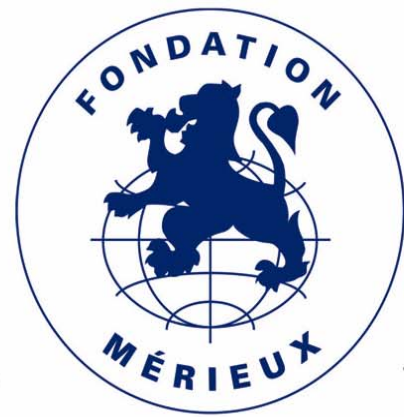
Organised by Fondation Mérieux and The London School of Hygiene & Tropical Medicine

"Les Pensières"

Fondation Mérieux Conference Center
Veyrier du Lac – France
November 08-12, 2010

International Scientific Committee:

Steven Buchsbaum	Bill & Melinda Gates Foundation, USA
Debbie Burgess	Bill & Melinda Gates Foundation, USA
Nirmal Ganguly	Formerly of the Indian Council for Medical Research, India
Kevin Fenton	US Centers for Diseases Control and Prevention, USA
Nicole Guiso	Institut Pasteur, France
David Heymann	Health Protection Agency, UK
Keith Klugman	ASM, Emory University, USA
Christophe Longuet	Fondation Mérieux, France
Mark Miller	Fogarty International Center, National Institutes of Health, USA
Maurine Murtagh	Clinton Health Access, USA
John Nkengasong	US CDC/PEPFAR, USA
Rosanna Peeling	London School of Hygiene and Tropical Medicine, UK
Jean-Luc Sanne	European Commission, Belgium
Guy Vernet	Fondation Mérieux, France
Bernhard H. Weigl	Programme for Appropriate Technology in Health (PATH), USA
Jimmy Whitworth	The Wellcome Trust, UK
Xiao-Nong Zhou	National Institute for Parasitic Diseases, China



Faculty:

Name	Affiliation
Ron Ballard	US Centres for Disease Control and Prevention, USA
Ajay Bhatia	Infectious Disease Research Institute, USA
Steve Buchsbaum	Bill & Melinda Gates Foundation, USA
Peter Chun	Ease MedTrend, China
Nirmal Ganguly	Formerly, Indian Council for Medical Research, India
Patricia Garcia	Universidad Peruana Cayetano Heredia, Peru
Celestin Hakiruwizera	American Society for Microbiology, USA
Rodney Hoff	REDI Centre, Singapore
Paul Klatser	Royal Tropical Institute, KIT Biomedical Research, The Netherlands
Keith Klugman	ASM, Emory University, USA
Jean-Francois de Lavison	Ahimsa Partners, France
Christophe Longuet	Fondation Mérieux, France
David Mabey	London School of Hygiene & Tropical Medicine, UK
Alain Mérieux	Fondation Mérieux, France
Mark Miller	Fogarty International Center, National Institutes of Health, USA
Maurine Murtagh	Clinton Health Access, USA
Solomon Nwaka	WHO/TDR, Switzerland
Rosanna Peeling	London School of Hygiene & Tropical Medicine, UK
Bill Rodriguez	Daktari Diagnostics, USA
Giorgio Roscigno	Foundation for Innovative New Diagnostics (FIND), Switzerland
Amadou Sall	Institut Pasteur, Senegal
Jean-Luc Sanne	European Commission, Belgium
Constance Schultsz	Oxford University Clinical Research Unit, Vietnam
Sandeep Sen	Sen Diagnostics Ltd., India
Ritu Shrivastava	US CDC / PEPFAR, USA
Sam Sia	Columbia University, USA
Francois Simon	Hôpital Saint-Louis, France
Natarajan Sriram	Tulip Group, Orchid Biomedical Systems, India
Darshna Tanna	Biomérieux, Singapore
Krista Thompson	Beckton Dickinson, USA
Guy Vernet	Fondation Mérieux, France
Bernhard Weigl	Programme for Appropriate Technology in Health, USA
Xiao-Nong Zhou	National Institute for Parasitic Diseases, China
To be confirmed	Accordia Foundation
To be confirmed	Global Laboratory Initiative
To be confirmed	Global Fund
To be confirmed	IHR, WHO
To be confirmed	Emergency Response, WHO

Day 1		Monday, 8 November 2010	
09h00-09h15	Opening – Welcome address	A. Mérieux	
Session 1		The Value of Diagnostics Chairperson: Rosanna Peeling	
09h15-10h00	The role of diagnostics in: 1. Guiding clinical decision making 2. Guiding public health emergency response 3. Monitoring / surveillance	C. Longuet P. Formenty? G. Vernet	
10h00-10h30	<i>Discussion</i>		
10h30-11h00	▶Coffee Break		
11h00-11h30	The role of diagnostics in: 4. Epidemiology research 5. Guiding disease elimination	M. Miller D. Mabey	
11h30-12h00	<i>Discussion</i>		
12h00-13h30	▶Lunch		
Session 2		Diagnostics in the Developing World Chairperson: Xiao-Nong Zhou	
13h30-13h45	Preparation of informal posters on participants' achievements in diagnostics, priorities in diagnostics, expectations for the course	All	
13h45-14h30	Viewing of informal posters	All	
14h30-15h15	Case studies of public and private sector provision of diagnostic services: 1. India 2. Peru 3. Senegal	S. Sen P. Garcia A. Sall	
15h15-15h45	<i>Discussion</i>		
15h45-16h15	▶Coffee Break		
Session 3		Critical Decision Making in Diagnostics Chairperson: Nirmal Ganguly	
16h15-17h15	Panel discussion: Quality issues in diagnostics 1. Evaluation of performance to inform procurement 2. Monitoring test stability 3. Assuring quality of testing 4. Regulatory issues	<u>Panelists</u> Global Fund N. Sriram K. Thompson R. Peeling	
17h15-17h45	<i>Discussion</i>		
19h00	▶Dinner		

Day 2		Tuesday, 9 November 2010	
Session 4		Unmet Needs in Global Health Diagnostics Chairperson : Giorgio Roscigno	
09h00-09h15	Priorities for diagnostics to improve global health	G. Roscigno	
09h15-09h30	Case study on HIV testing: from laboratory to home testing	F. Simon	
09h30-10h00	<i>Discussion</i>		
10h00-10h30	Challenges Debate: Home Testing	tbc	
10h30-11h00	▶ Coffee Break		
11h00-11h45	Proposed breakout group discussion topics: 1. Point of care diagnostics 2. Tests to detect antimicrobial resistance 3. HIV monitoring technologies 4. Diagnostic tools for neglected tropical diseases	Facilitators: 1 B. Weigl 2 K. Klugman 3 F. Simon 4 P. Klatzer	
11h45-12h30	Report back from breakout groups: 10 min each		
12h30-14h00	▶ Lunch		
Session 5		Building Sustainable Diagnostic Laboratories for the Developing World Chairperson: Rodney Hoff	
14h00-14h45	Panel discussion: Investing in laboratory surveillance systems	IHR, G. Vernet, R. Hoff	
14h45-15h30	Panel discussion: Building capacity for diagnostics research in the developing world	TDR, M. Miller, P. Klatzer, G. Vernet, B. Weigl	
15h30-16h00	<i>Discussion</i>		
16h00-16h30	▶ Coffee Break		
16h30-17h15	Round Table: New business models and new initiatives to finance diagnostics programmes	J-F. de Lavison, developing country participants	
17h15-17h45	<i>Discussion</i>		
19h00	▶ Dinner		

Day 3		Wednesday, 10 November 2010	
Session 6		Capacity Building to Improve Diagnostic Laboratories: Human Resource Needs Chairperson: Keith Klugman	
09h00-09h15	Challenges in human resources for diagnostics	C. Schultz	
09h15-10h00	Round Table: Building human resource capacity for diagnostics services in the developing world: <ul style="list-style-type: none"> - Building diagnostic laboratory leadership - Training opportunities - Biosafety - Motivation - Procurement and stock management 	C. Longuet K. Klugman R. Shrivastava	
10h00-10h30	<i>Discussion</i>		
10h30-11h00	▶Coffee Break		
11h00-11h45	Proposed breakout group discussions: <ol style="list-style-type: none"> 1. Laboratory networks 2. Access to equipment and reagents 3. Accreditation criteria for laboratories 4. Quality standards and quality management 	Developing country participants, D. Tanna, BD representative, R. Hoff	
11h45-12h30	Report back from breakout groups: 10 min each		
12h30-14h00	▶Lunch		
Session 7		Innovation in Diagnostics R&D I Chairperson: Steve Buchsbaum	
14h00-15h30	<ol style="list-style-type: none"> 1. Barriers to low cost diagnostics – A progress report 2. The future of paper based diagnostics 3. Landscape of isothermal and/or enzyme free NA amplification 4. New approaches to collection of samples 5. Innovations in biomarker discovery tools and methods 	S. Buchsbaum B. Weigl R. Ballard S. Sia A. Bhatia Qiagen	
15h30-16h00	▶Coffee Break		
16h00-16h30	<i>Discussion</i>		
16h30-17h00	Debate: Standard setting for diagnostics R & D – pros and cons		B. Rodriguez vs. S. Buchsbaum
17h00-17h30	<i>Discussion</i>		
19h00	▶Dinner		

Day 4	Thursday, 11 November 2010
--------------	-----------------------------------

Session 8	Innovations in Diagnostics R&D II Chair: Maurine Murtagh	
09h00-09h15	Access to diagnostics in the developing world	M. Murtagh
09h15-09h30	Proof-of concept validation	P. Chun
09h30-09h45	Financing product development and clinical trials	B. Rodriguez
09h45-10h30	<i>Discussion</i>	
10h30-11h00	▶ Coffee Break	
11h00-11h15	Evaluation of diagnostics	R. Peeling
11h15-12h00	<i>Discussion</i>	
12h00-14h00	▶ Lunch	
Session 9	Accelerating Access to Quality Assured Diagnostics Chairperson: Jean Luc Sanne	
14h00-14h45	Forum: Access to diagnostics in developing countries - Technology transfer and local production	B. Rodriguez Developing country perspectives
14h45-15h30	Regulatory approval and prequalification	WHO Industry representatives
15h30-16h00	<i>Discussion</i>	
16h00-16h30	▶ Coffee Break	
16h30-17h15	Market entry	Industry representatives/ Country perspectives
17h15-17h45	<i>Discussion</i>	
19h00	▶ Dinner	

Day 5	Friday, 12 November 2010
--------------	---------------------------------

Session 10	The Way Forward: Synthesis of Session Outcomes Chairperson: Alain Mérieux	
09h00-10h00	Summaries from sessions (5 min each session)	Selected participants / LSHTM
10h00-10h30	<i>Discussion</i>	
10h30-11h00	► Coffee Break	
Session 11	Opportunities to Move Forward Chairperson: Christophe Longuet	
11h00-11h30	Open discussion: <ul style="list-style-type: none"> - Partnerships and networking opportunities - E-community and keeping in touch 	All Josette Najjar
11h30-12h00	Course evaluation: learning objectives & impact assessment	C. Hakiruwizera
12h00-12h30	Round table: What participants have learnt from the course compared to their expectations	All
12h30-13h00	Conclusion & end of the Course	G. Vernet R. Peeling
13h00-14h00	► Lunch before departure	

DRAFT