

**Coordination of TB diagnostics research:
Enabling standards and sharing of data on the molecular basis of drug resistance**

**Senate House, London, UK
3 - 4 February 2014**

Agenda

Objectives

The objectives of the two-day workshop are to:

1. Establish standard data formats for exchange/combination of NGS sequencing data and for the combination with phenotypic DST results and clinical outcome.
2. Identify a mechanism for sharing and making accessible this standardized data to test developers, researchers, and institutions performing diagnostics for treatment.

Chairpersons

Daniela Cirillo, San Raffaele Research Institute, NDWG Co-Chair

Mark Perkins, Foundation for Innovative New Diagnostics, NDWG Co-Chair

Monday, 3 February	
13:00-14:00	Welcome lunch and networking
14:00-17:00	Plenary session 1 – Setting the background <i>Chairs: D. Cirillo & M. Perkins</i>
14:00-14:05	Welcome and meeting objectives <i>Session Chairs</i>
14:05 -14:20	Introductory remarks and meeting overview <i>Ruth McNerney and Philip Monk</i>
14:20-14:35	The CPTR Initiative: Mission and Objectives <i>Debra Hanna</i>
14:35-14:50	A model: The HIV Databases project <i>Bob Shafer</i>
14:50-15:05	Databases and platforms for data analysis from NGS of MTB <i>Derrick Crook</i>
15:05-15:20	Questions
15:20-15:40	Coffee break
15:40-15:55	Data sharing for TB diagnostic R&D: Needs and gaps <i>Marco Schito</i>
15:55-16:10	The experience of TB Dream and other TB genomic databases <i>Maha Farhat</i>
16:10-16:55	Plenary discussion - Need for a global data repository
16:55-17:00	Summary of first day and closing remarks <i>Session Chairs</i>
18:30-22:30	Dinner at Salaam Namaste restaurant

Tuesday, 4 February		
8:30-10:00	Plenary session 2 - Assessing the main pillars	Chairs S. Niemann & J. Gallarda
8:30-8:45	Overview on current WGS projects TB sequencing projects, resistance mutations and phenotypic correlation	<i>Stefan Niemann</i>
8:45-9:00	Data analysis and standardization	<i>James Posey</i>
9:00-9:15	Common standards and conditions for practical interoperability	<i>Angela Starks</i>
9:15-9:30	Data sharing and intellectual property issues	<i>Julie Fyles</i>
9:30-9:45	Presentation of key questions for work in break-out sessions	<i>Session Chairs</i>
9:45-10:15	Coffee break	
10:15-12:00	Break-out sessions	
	Workgroup 1: Data sets - Pilot projects and process	<i>Chair M. Zignol</i>
	Workgroup 2: Data standards	<i>Chair H. Laang</i>
	Workgroup 3: Infrastructure and access	<i>Chair L. Bethke</i>
12:00-13:00	Sandwich lunch	
13:00-15:00	Plenary session 3 - Defining the framework	Chairs T. Walker & D. Crook
13:00-13:15	Report from Workgroup 1: Data sets - Pilot projects and process	<i>Rapporteur D. Alland</i>
13:15-13:30	Report from Workgroup 2: Data standards	<i>Rapporteur P. Wilson</i>
13:30-13:45	Report from Workgroup 3: Infrastructure and access	<i>Rapporteur I. van Walle</i>
13:45-14:45	Plenary discussion	
14:45-15:00	Summary and conclusions	<i>Session Chairs</i>
15:00-15:20	Coffee break	
15:20-17:00	Plenary session 4 - A pathway to data integration	Chairs F. Drobniowski & R. McNerney
15:20-15:35	Towards a roadmap for TB data sharing: Business plan to establish a central database	<i>Session Chairs</i>
15:35-16:35	Plenary discussion	
16:35-16:50	Summary and next steps	<i>Session Chairs</i>
16:50-17:00	Closing remarks	<i>Daniela Cirillo & Mark Perkins</i>