New scientific articles

**Rapid detection of isoniazid resistance in Mycobacterium tuberculosis isolates by use of real-time-PCR-based melting curve analysis.**

**Use of mycobacteriophage quantitative PCR on MGIT broths for a rapid tuberculosisantibiogram**

**Rolling circle amplification for direct detection of rpoB gene mutations in Mycobacterium tuberculosis isolates from clinical specimens**

**Real-time PCR assay for rapid detection of epidemiologically and clinically significant Mycobacterium tuberculosis Beijing genotype isolates.**

**Gold nanoprobes for multi loci assessment of multi-drug resistant tuberculosis.**

**Phylogenetic polymorphisms in antibiotic resistance genes of the Mycobacteriumtuberculosis complex.**

**A rapid fluorescence polarization-based method for genotypic detection of drug resistance in Mycobacterium tuberculosis.**

**Point-of-care urine test for assessing adherence to isoniazid treatment for tuberculosis**

**Rapid diagnosis of pyrazinamide-resistant MDR-TB using a molecular-based diagnostic Algorithm.**

**Whole-genome sequencing to detect recent transmission of Mycobacteriumtuberculosis in settings with a high burden of tuberculosis.**
The Molecular Bacterial Load Assay replaces solid culture for measuring early bactericidal response to anti-
tuberculosis treatment.
On behalf of the Pan African Consortium for the Evaluation of Anti-tuberculosis Antibiotics (PanACEA).
J Clin Microbiol. 2014 May

The association between pncA gene mutations, pyrazinamidase activity, and pyrazinamide susceptibility testing in
Mycobacterium tuberculosis.

Real time PCR quantification of viable Mycobacteriumtuberculosis from sputum samples treated with propidium monoazide.

Microfluidic Platform for Direct Capture and Analysis of Airborne Mycobacteriumtuberculosis.

Detection of mutations associated with isoniazid resistance in multidrug-resistant Mycobacterium tuberculosis clinical isolates.
J Antimicrob Chemother. 2014 May

Diagnostic accuracy of the PURE-LAMP test for pulmonary tuberculosis at the county-level laboratory in China.

Challenges and perspectives in the diagnosis of extrapolmonary tuberculosis.

In house reverse membrane hybridisation assay versus GenoType MTBDRplus and their performance to detect mutations in the genes rpoB, katG and inhA.

A pseudo-outbreak of pre-XDR TB in Kinshasa: A Collateral Damage of False Fluoroquinolone Resistant Detection by GenoType® MTBDRsl.

Diagnostic accuracy of a molecular drug susceptibility testing method for the anti-tuberculosis drug, ethambutol: a systematic review and meta-analysis.

A multi-centre feasibility study to assess External Quality Assessment panels for Xpert(R) MTB/RIF assay in South Africa.

Other Publications

Transmission of multidrug-resistant tuberculosis in the UK: a cross-sectional molecular and epidemiological study of clustering and contact tracing.

Critical research concepts in tuberculosis vaccine development.
Delogu G, Manganelli R, Brennan MJ. Clin Microbiol Infect. 2014 May
Isoniazid plus antiretroviral therapy to prevent tuberculosis: a randomised double-blind, placebo-controlled trial.

ERS/WHO Tuberculosis Consilium assistance with extensively drug-resistant tuberculosis management in a child: case study of compassionate delamanid use.

Tuberculosis elimination: theory and practice in Europe.

Is tuberculosis elimination a reality?
Sotgiu G, Migliori GB. Lancet Infect Dis. 2014 May

Key Publications

Factsheet: Global strategy and targets for tuberculosis prevention, care and control after 2015
WHO Headquarters

Draft global strategy and targets for tuberculosis prevention, care and control after 2015
WHO Headquarters

Standards and benchmarks for tuberculosis surveillance and vital registration systems: Checklist and user guide
WHO Headquarters

TB CARE I Year 4 Quarter 2 Report (Jan 2014 - Mar 2014)
TB CARE I

The GLI Newsletter "Momentum". Issue 2 - April 2014
Global Laboratory Initiatives

News

Childhood obesity and tuberculosis on agenda on first day of World Health Assembly

WHA approves post-2015 global TB strategy and targets