

New Diagnostics Working Group

New Diagnostics Working Group E-News
July 2013

New scientific articles

[Rifampicin resistance missed in automated liquid culture system for *Mycobacterium tuberculosis* with specific *rpoB*-mutations](#)

Leen Rigouts, Mourad Gumusboga, Willem Bram de Rijk, Elie Nduwamahoro, Cécile Uwizeye, Bouke de Jong and Armand Van Deun *J Clin Microbiol.* 2013

[Rifampicin drug resistance tests for tuberculosis: challenging the gold standard](#)

Van Deun A, Maug AK, Bola V, Lebeke R, Hossain MA, de Rijk WB, Rigouts L, Gumusboga A, Torrea G, de Jong BC. *J Clin Microbiol.* 2013

[*Mycobacterium tuberculosis* mutation rate estimates from different lineages predict substantial differences in the emergence of drug-resistant tuberculosis](#)

Ford CB, Shah RR, Maeda MK, Gagneux S, Murray MB, Cohen T, Johnston JC, Gardy J, Lipsitch M, Fortune SM. *Nat Genet.* 2013

[The Health-System Benefits and Cost-effectiveness of Using *Mycobacterium Tuberculosis* Direct Nucleic Acid Amplification Testing to Diagnose Tuberculosis Disease in the United States](#)

Marks SM, Cronin W, Venkatappa T, Maltas G, Chon S, Sharnprapai S, Gaeddert M, Tapia J, Dorman SE, Etkind S, Crosby C, Blumberg HM, Bernardo. *Clin Infect Dis.* 2013

[Mutations in *panD* encoding aspartate decarboxylase are associated with pyrazinamide resistance in *Mycobacterium tuberculosis*](#)

Shuo Zhang, Jiazhen Chen, Wanliang Shi, Wei Liu, Wenhong Zhang and Ying Zhang. *Emerging Microbes & Infections* 2013

[QuantifERON to diagnose infection by *Mycobacterium tuberculosis*: Performance in infants and older children](#)

Blandinières A, de Lauzanne A, Guérin-EI Khourouj V, Gourgouillon N, See H, Pédrón B, Faye A, Sterkers G. *J Infect.* 2013

[Challenges in evaluating the cost-effectiveness of new diagnostics for HIV-associated tuberculosis](#)

Andrews JR, Lawn SD, Dowdy DW, Walensky RP. *Clin Infect Dis.* 2013

Publications

[TB Diagnostics Technology and Market Landscape](#)

UNITAID has issued the second edition of the report.

[Systematic screening for active tuberculosis: principles and recommendations](#)

WHO has developed guidelines on systematic screening for active tuberculosis based on a thorough review of available evidence.

[WHO interim guidance launched on the use of bedaquiline to treat MDR-TB](#)

The interim guidance provides advice on the inclusion of bedaquiline in the combination therapy of MDR-TB in accordance with the existing WHO Guidelines for the programmatic management of drug-resistant TB.

Grants

[UNITAID call for submissions for next round of funding](#)

UNITAID is seeking to fund new innovative projects in order to increase access to treatment, diagnostic, and preventive products for HIV/AIDS, TB and malaria. Deadline for submission is 22 September 2013.

News

[A new global partnership: eradicate poverty and transform economies through sustainable development](#)

The Report of the High-Level Panel of Eminent Persons on the Post-2015 Development Agenda identified TB investments as highly cost-effective and proposed a specific sub-target on TB as part of a set of goals that could be used to guide development for the 15 years after 2015.

[Mobile initiative aims to combat tuberculosis in Western Ghana](#)

The IOM team will use a mobile TB diagnostic van equipped with a GeneXpert MTB/RIF machine to reach at least 317,000 individuals in the Western Region of Ghana.

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