

New Diagnostics Working Group

New Diagnostics Working Group E-News
December 2013

New scientific articles

[miRNA Signatures in Sera of Patients with Active Pulmonary Tuberculosis.](#)

Miotto P, Mwangoka G, Valente IC, Norbis L, Sotgiu G, Bosu R, Ambrosi A, Codecasa LR, Goletti D, Matteelli A, Ntinginya EN, Aloï F, Heinrich N, Reither K, Cirillo DM. PLoS One. 2013 Nov 21

[Rapid diagnosis of TB using GC-MS and chemometrics.](#)

Dang NA, Janssen HG, Kolk AH. Bioanalysis. 2013 Dec;5

[A Point of Care System for the Detection of Mycobacterium tuberculosis and Rifampicin Resistance in Sputum Samples](#)

Castan P, de Pablo A, Fernández-Romero N, Rubio JM, Cobb BD, Mingorance J, Toro C. J Clin Microbiol. 2013 Dec 4

[Beyond the IFN- \$\gamma\$ horizon: Biomarkers for immunodiagnosis of infection with M. tuberculosis](#)

Chegou NN, Heyckendorf J, Walzl G, Lange C, Ruhwald M. Eur Respir J. 2013 Dec 5

[Whole Genome Sequencing Reveals Complex Evolution Patterns of Multidrug-Resistant Mycobacterium tuberculosis Beijing Strains in Patients](#)

Merker M, Kohl TA, Roetzler A, Truebe L, Richter E, Rüsç-Gerdes S, Fattorini L, Oggioni MR, Cox H, Varaine F, Niemann S. PLoS One. 2013 Dec 6

[Evaluation of GeneXpert MTB/RIF for the detection of Mycobacterium tuberculosis and resistance to rifampin in clinical specimens.](#)

Bunsow E, Ruiz-Serrano MJ, López Roa P, Kestler M, Viedma DG, Bouza E. J Infect. 2013 Dec 1

[Evaluation of Mycobacterium tuberculosis drug susceptibility in clinical specimens from Nigeria using genotype MTBDRplus and MTBDRsl assays.](#)

Felkel M, Exner R, Schleucher R, Lay H, Autenrieth IB, Kempf VA, Frick JS. Eur J Microbiol Immunol (Bp). 2013 Dec;3

[Xpert MTB/RIF version G4 for the identification of rifampicin resistant tuberculosis in a programmatic setting.](#)

Osman M, Simpson JA, Caldwell J, Bosman M, Nicol MP. J Clin Microbiol. 2013 Nov 27

[Ethambutol resistance determined by broth dilution method better correlates with embB mutations in MDR tuberculosis isolates.](#)

Zhang Z, Wang Y, Pang Y, Kam KM. J Clin Microbiol. 2013 Nov 27

[Pyrosequencing for Rapid Detection of Extensively Drug-Resistant Tuberculosis in Clinical Isolates and Clinical Specimens.](#)

Lin SY, Rodwell TC, Victor TC, Rider EC, Pham L, Catanzaro A, Desmond EP. J Clin Microbiol. 2013 Nov 27

[DNA probe based colorimetric method for detection of rifampicin resistance of Mycobacterium tuberculosis.](#)

Adikaram CP, Perera J, Wijesundera SS. J Microbiol Methods. 2013 Nov 23

[Isothermal DNA amplification coupled to Au-nanoprobes for detection of mutations associated to Rifampicin resistance in Mycobacterium tuberculosis.](#)

Veigas B, Pedrosa P, Couto I, Viveiros M, Baptista PV. J Nanobiotechnology. 2013 Nov 25

[Rapid Molecular Testing for TB to Guide Respiratory Isolation in the U.S.: A Cost-Benefit Analysis.](#)
Millman AJ, Dowdy DW, Miller CR, Brownell R, Metcalfe JZ, Cattamanchi A, Davis JL. PLoS One. 2013 Nov 20

[Efficacy of IP-10 as a biomarker for monitoring tuberculosis treatment.](#)
Hong JY, Lee HJ, Kim SY, Chung KS, Kim EY, Jung JY, Park MS, Kim YS, Kim SK, Chang J, Cho SN, Kang YA. J Infect. 2013 Nov 16

[Evaluation of a Simple in-House Test to Presumptively Differentiate Mycobacterium tuberculosis Complex from Nontuberculous Mycobacteria by Detection of p-Nitrobenzoic Acid Metabolites.](#)
Wang G, Yu X, Liang Q, Chen S, Wilson S, Huang H. PLoS One. 2013 Nov 18

[Pyrazinamide susceptibility testing of Mycobacterium tuberculosis by high resolution melt analysis.](#)
Pholwat S, Stroup S, Gratz J, Trangan V, Foongladda S, Kumburu H, Juma SP, Kibiki G, Houpt E. Tuberculosis (Edinb). 2013 Nov 1

[Rapid detection of Mycobacterium tuberculosis and Pyrazinamide Susceptibility Related to pncA Mutations from Sputum Specimens through an Integrated Gene to Protein Function Approach.](#)
Li H, Chen J, Zhou M, Geng X, Yu J, Wang W, Zhang XE, Wei H. J Clin Microbiol. 2013 Nov 13

[Characterization of the embB gene in Mycobacterium tuberculosis isolates from Barcelona and rapid detection of main mutations related to ethambutol resistance using a low-density DNA array.](#)
Moire R, Español M, Tudó G, Vicente E, Coll P, Gonzalez-Martin J, Mick V, Salvadó M, Alcaide F. J Antimicrob Chemother. 2013 Nov 11

Publications

[Tuberculosis Diagnostic Technology and Market Landscape – Semi-annual Update 2013](#)
UNITAID

[Investigation and control of TB incidents affecting children in congregate settings](#)
ECDC

[Global strategy and targets for tuberculosis prevention, care and control after 2015](#)
WHO

[Tuberculosis laboratory biosafety \(6 languages\)](#)
WHO

[\\$1.4 billion funding shortfall for tuberculosis control](#)
Lancet

[Drug-resistant tuberculosis: latest advances](#)
D. Falzon, K Weyer, MC Raviglione. Lancet Jan 2014

News

[First results tuberculosis vaccine candidate MTBVAC very promising](#)
TBVI

[EU announces €370 million of new support to fight AIDS, Tuberculosis and Malaria](#)
EU

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