

## Culture and phenotypic drug susceptibility testing

**CHAIR:** Marina Shulgina (Russian Federation) - **SECTION:** Tuberculosis/Bacteriology & Immunology

- PD-814-31** **Surveillance of anti-tuberculosis drug resistance in Cuba, 2010-2012**  
D Lemus, M Echemendia, R Díaz, A Llop, M J Llanes-cordero (Cuba)
- PD-815-31** **Exploring anti-tuberculosis activity from actinobacteria from mangrove sediment in Papua Island, Indonesia**  
H Krismawati, L Salim, A Oktavian, I Wike, Eva Fitriana, O Karapa (Indonesia)
- PD-816-31** **Limited access to diagnosis of drug-resistant TB among high-risk groups in a central province in Thailand**  
W Kateudomsup, S Jittimane (Thailand)
- PD-817-31** **Analysis of cross resistance between kanamycin and amikacin in extensive drug resistant tuberculosis isolates**  
A K Verma, Gavi Kumar, J Arora, Vith Myneedu, R Sarin (India)
- PD-818-31** **Successful replication of the Tanzanian tuberculosis detection rat programme in Mozambique**  
E Valverde, N Beyene, I Manhiça, T Edwards, A Mahoney, S Viegas, C Cox, C Mulder (Mozambique, Tanzania, United Rep.)
- PD-819-31** **Pattern of anti-tuberculosis drugs resistance among Pakistani population: a six-years study**  
M Javaid, S Asif, A Ahmed, S Siddiqi (Pakistan, USA)
- PD-820-31** **Validation of thin layer agar assay for direct rifampicin and isoniazid drug susceptibility testing in rural Shiselweni, Swaziland, 2012**  
G Obregon Boltan, B Kerschberger, G Maphalala, A Antierens, R Dela Tour (Peru, Swaziland)
- PD-821-31** **Prevalence of ofloxacin resistance among DR-, MDR- and XDR-TB patients in a TB centre, Karachi**  
A Ahmed, M Javaid, S Asif (Pakistan)
- PD-822-31** **Evaluation first line anti-tuberculosis drugs of the nitrate reductase assay for detection of resistance to the S Fourati, M Kaffel, c Marouane, S Kammoun, L Slim-saidi, F Messadi (Tunisia)**
- PD-823-31** **Antimycobacterial activity of 22 Malian medicinal plants used against Mycobacterium tuberculosis, H37Rv**  
M Ballo, M Sanogo, B Diarra, A Somboro, M Maiga, O Koita, R Sanogo, D Diallo (Mali)
- PD-824-31** **Resistance aux antituberculeux de première ligne dans les maisons d'arrêt à propos de 28 cas au Mali**  
F Camara, A Cisse, S Diarra, K Traore, L Keita, F Bougoudogo, A Van Deun (Mali, Belgium)
- PD-825-31** **Estimating the operational costs of tuberculosis diagnosis in Perú**  
T Wingfield, E Ramos, T Valencia, S Carrera, M Ching, Tom Wingfield, M Tovar, C Evans (Peru)
- PD-826-31** **High-tuberculosis diagnostic yield from culturing salivary sputum samples**  
E Ramos, A Sloutsky, CE Osorio, T Valencia, M Llacza, M Ching, M Tovar, C Evans (Peru, USA)

## AFB smear microscopy

**CHAIR:** Thomas Shinnick (USA) - **SECTION:** Tuberculosis/Bacteriology & Immunology

- PD-827-31** **Tests de sensibilité aux antituberculeux de première ligne à Kayes (Mali): utilisation du transport public pour l'acheminement des prélèvements**  
A Cisse, H Touré, B Diarra, K Traore, F Camara, J Kamaté, MH Kaba, F Bougoudogo (Mali)
- PD-828-31** **Comparative yielding of acid fast bacilli from three specimen examinations: experience from a high-burden laboratory in Bangladesh**  
S M M Kamal, MS Hossain, Ms Mousumi Chawdhury, Mr Sujan Kumar Sarker, Mr Ohiuddin Ahmed, Ms Umme Habiba, Ms Razia Sultana, MA Husain (Bangladesh)
- PD-829-31** **A novel automated microscope system for detection of mycobacteria in acid-fast stain procedures via image recognition technology**  
Y Lin, Y Sun, J Chen, J Chen, Z Chen, C Lee, F Huang, Y Lee (Taiwan)
- PD-830-31** **Evaluation of TBDx, an automated platform for fluorescence smear microscopy in Abuja, Nigeria**  
L Lawson, R Dacombe, J O Obasanya, S T Abdurrahman, O Oladimeji, C Iweha, C Okoli, L Cuevas (Nigeria, UK)
- PD-831-31** **Strengthening TB specimen referral in Zambia to improve diagnostic capacity: a stepwise approach**  
G Kahenya, R Chibumba, S Kaminsa, M Muvwimi, C Mulenga, N Kapata (Zambia)

- PD-832-31 **Implementation experience of light-emitting diode fluorescence microscopy TB in TB microscopic centers in Amhara region of Ethiopia, 2013-2014**  
g Alemu, J Seid, A Alem, Y. Kassie, M Melese, B. Girma, d Jerene, P Suarez (Ethiopia, USA)
- PD-833-31 **Quality of sputum specimen samples submitted for culture and drug susceptibility testing to the National Tuberculosis Reference Laboratory in Uganda**  
L Bulage, J Imoko, B Kirenga, T Lo, H Byabajungu, K Musisi, M Joloba, E Bloss (Uganda, USA)
- PD-834-31 **The contribution of light-emitting diode fluorescence microscopy (LED-FM) to smear positive TB case detection in the Tigary region of Ethiopia**  
P Nano, C Kagoma, B Woldemariam, N Fituwi, G Ayana, P Suarez (Ethiopia, Tanzania, United Rep., USA)
- PD-835-31 **Evaluation of cellScope-based digital LED fluorescence microscopy in Hanoi, Vietnam**  
C Reber, H Nguyen, L Chaisson, F Meyers, V N Nguyen, P Nahid, D Fletcher, A Cattamanchi (Viet Nam, USA)
- PD-836-31 **A cross-sectional study of factors associated with tuberculosis diagnostic delay for smear microscopy in Namibia**  
I Mwaningange, E Shipiki, F Mavhunga, B Bayer, H Zaire, E H Mitchell, A Zezai (Namibia, Netherlands)
- PD-837-31 **Auramine staining and fluorescent microscopy for TB diagnosis: a controlled comparison of sputum smear microscopy protocols**  
S Datta, M Ching, T Valencia, E Ramos, M Tovar, D Coleman, C Evans (UK, Peru)
- PD-838-31 **To assess the workload of designated microscopy centers (DMC) under national tuberculosis programme, India**  
S Dhawan, S Mannan, P Patel, KS Sachdeva (India)

**Poster Discussion Session 30** 10:15-11:15 • Poster area

## What do singers, football and maps have in common: new horizons in TB community engagement

**CHAIR:** Wim Vandeveld (South Africa) - **SECTION:** Civil Society

- PD-839-31 **Participation de la communauté dans la prise en charge de la tuberculose au Sénégal**  
M T Mbodji (Senegal)
- PD-840-31 **Measuring community involvement and engagement in TB care and control: experience from the GF supported TB projects of World Vision India and partners**  
S Mukhopadhyay, S Cornelius, V K Edward (India)
- PD-841-31 **Factors associated with tuberculosis stigma: a systematic review**  
J Crispim, L Silva, M Yamamura, I Freitas, TRS Silveira, ACV Ramos, IC Pinto, RA Arcêncio (Brazil)
- PD-842-31 **Pension schemes for tuberculosis patients: an advocacy effort from TB forum members of Kerala, India**  
S Gadala, C Joltin, RV Jinesh Lal, Tomi Thomas, Mura Krithika, P Banuru Muralidhara (India)
- PD-843-31 **How to develop a patient advocacy association**  
O Rucsineanu (Moldova)
- PD-844-31 **Increasing TB treatment success by engaging community volunteers; Mapping method in Cimahi City, West Java Indonesia**  
I Tochija, F Manan, M Reksoprodjo, H Diatmo (Indonesia)
- PD-845-31 **2014 Brazilian TB campaign: a collective revolution**  
A Paranagua Fraga, D Barreira, C Oliveira Dantas, P Werlang, L Seara, V Camargo Da Costa (Brazil)
- PD-846-31 **Increasing TB knowledge and action: lessons from "We Beat TB" campaign!**  
L Legoabe, J Benkie (South Africa)
- PD-847-31 **Kick TB: from South Africa to Brazil - a TB campaign for the FIFA World Cup momentum**  
C Oliveira Dantas, A De Paula Lobo, P Werlang, J Brandao, E Ishimoto, A Paranagua Fraga, D Barreira (Brazil)
- PD-848-31 **Understanding tuberculosis stigma in Dar es Salaam, Tanzania**  
C Miller, L Samu, S G Mfinanga, P Hopewell, E Fair (USA, Tanzania, United Rep.)
- PD-849-31 **Reaching the unreached by involving religious forum**  
M Ubaid, P Varghese, G Singh, B Entoor Ramachandran (India)