



# 30 TB transmission control and laboratory decontamination

**Coordinators:** Rod Escombe (UK), Edward Nardell (USA)

- PS-94164-07 Population-based predictive value of mutation analysis for rifamycin resistance, New York City**  
 H Anger,<sup>1</sup> R Wiseman,<sup>1</sup> M Salfinger,<sup>2</sup> C Kambili,<sup>1,3</sup> F Dworkin,<sup>1</sup> S Ahuja<sup>1</sup>  
<sup>1</sup>Bureau of Tuberculosis Control, New York City Department of Health and Mental Hygiene, New York, NY,  
<sup>2</sup>New York State Wadsworth Center, Albany, NY, <sup>3</sup>Division of Tuberculosis Elimination, US Centers for Disease Control and Prevention, Atlanta, GA, USA.
- PS-94301-07 Closing the knowledge and the "know-do" gap for better TB transmission control via GHDonline**  
 S Beauvais,<sup>1,2</sup> E Nardell,<sup>2,3,4</sup> R Weintraub<sup>1,2,4</sup>  
<sup>1</sup>Global Health Delivery Project, Boston, MA, <sup>2</sup>Harvard Medical School, Boston, MA,  
<sup>3</sup>Harvard School of Public Health, Boston, MA, <sup>4</sup>Brigham and Women's Hospital, Boston, MA, USA.
- PS-94306-07 Latent tuberculosis infection in health care staff at a general hospital in Cuba**  
 S Borroto Gutierrez,<sup>1</sup> D Gamez,<sup>2</sup> D Diaz Garrido,<sup>3</sup> E Gonzalez Ochoa<sup>1</sup>  
<sup>1</sup>Epidemiology Division, Pedro Kouri Institute of Tropical Medicine, Havana, <sup>2</sup>Provincial Center of Hygiene and Epidemiology, Santiago de Cuba, <sup>3</sup>Teaching Center, Ministry of Public Health, Havana, Cuba.
- PS-94551-07 Peracetic acid disinfection of sputum for aerial transport and MDR-TB testing by DNA line-probe**  
 E Tsheola,<sup>1</sup> M Fandke,<sup>2</sup> L Matsoso,<sup>1</sup> G Gshwandtner,<sup>3</sup> HJ Koornhof,<sup>1</sup> B Mendelow,<sup>1</sup> W Bepete,<sup>4</sup> GJ Coetzee<sup>1</sup>  
<sup>1</sup>National Health Laboratory Service, Johannesburg, South Africa; <sup>2</sup>Biotecon Diagnostics, Pottsdam,  
<sup>3</sup>Esteeer Pharma, Reilingen, Germany; <sup>4</sup>Agluco Pharmaceuticals, Pretoria, South Africa.
- PS-94626-07 Testing for TB antigen in breath in Ethiopia**  
 R McNerney,<sup>1</sup> BA Wondafrash,<sup>1,2</sup> K Amena,<sup>2</sup> A Tesfaye,<sup>2</sup> EM McCash,<sup>3</sup> NJ Murray<sup>3</sup>  
<sup>1</sup>London School of Hygiene & Tropical Medicine, London, UK; <sup>2</sup>Adama Hospital, Nazareth, Oromia, Ethiopia;  
<sup>3</sup>Rapid Biosensor Systems Ltd, Cambridge, UK.
- PS-94714-07 Infection control in TB hospitals and tuberculin skin test for health care workers in Cambodia**  
 H Igari,<sup>1</sup> A Watanabe,<sup>1</sup> H Nishiyama,<sup>2,3</sup> S Saint,<sup>2</sup> S Peou,<sup>2,3</sup> Te Mao,<sup>3</sup> T Sugiyama,<sup>2</sup> I Onozaki<sup>3</sup>  
<sup>1</sup>Chiba University Hospital, Chiba, <sup>2</sup>Research Institute of Tuberculosis, Tokyo, Japan;  
<sup>3</sup>National Center for Tuberculosis and Leprosy Control, Phnom Penh, Cambodia.
- PS-94752-07 Natural ventilation for preventing tuberculosis transmission in health care facility waiting rooms**  
 R Escombe,<sup>1,2</sup> P James,<sup>3</sup> M Espinoza,<sup>2,4</sup> V Suarez,<sup>2,4</sup> P Valencia,<sup>2,4</sup> E Ticona,<sup>2,5</sup> L Huaroto,<sup>2,5</sup> DAJ Moore<sup>1,6</sup>  
<sup>1</sup>Imperial College London, London, UK; <sup>2</sup>Grupo Levir, Lima, Peru; <sup>3</sup>Harvard School of Public Health, Boston, MA, USA; <sup>4</sup>Instituto Nacional de Salud, Lima, <sup>5</sup>Hospital Nacional Dos de Mayo, Lima, <sup>6</sup>Universidad Peruana Cayetano Heredia, Lima, Peru.
- PS-94850-07 Assessment of infection control measures at selected health facilities in Tanzania**  
 C Casalini,<sup>1</sup> M Nyamkara,<sup>2</sup> P Mgosha,<sup>3</sup> M Kasubi,<sup>4</sup> R Mbatia,<sup>1</sup> A Howard,<sup>5</sup> J Van den Hombergh,<sup>6</sup> A Cunningham<sup>1</sup>  
<sup>1</sup>Columbia University ICAP, Dar es Salaam, <sup>2</sup>National Tuberculosis and Leprosy Programme Ministry of Health and Social Welfare, Dar es Salaam, <sup>3</sup>National AIDS Control Programme Ministry of Health, Dar es Salaam,  
<sup>4</sup>Muhimbili Reference Hospital, Dar es Salaam, United Republic of Tanzania; <sup>5</sup>ICAP-Columbia University, New York, USA;  
<sup>6</sup>PharmAccess Foundation, Dar es Salaam, United Republic of Tanzania.
- PS-94891-07 Doing no harm? : a study of TB infection control practices in health facilities with TB-HIV**  
 J Chukwu,<sup>1</sup> L Ogbonnaya,<sup>2</sup> D Ogbuabor,<sup>1</sup> C Nwafor,<sup>1</sup> D Oshi<sup>1</sup>  
<sup>1</sup>German Leprosy and TB Relief Association, Enugu, <sup>2</sup>Ebonyi State University Teaching Hospital Abakaliki, Abakaliki, Ebonyi, Nigeria.
- PS-94897-07 Implementing TB infection control risk assessments: lessons from South Africa**  
 N Ndjeka, M Mhlongo, M Molefe, E Mhlope  
 University Research Co., Pretoria, South Africa.
- PS-95147-07 Detección oportuna de tuberculosis en contactos y usuarios de drogas en el municipio de la Paz, BCS**  
 I Ramirez Cedillo,<sup>1</sup> C Navarro Calva,<sup>2</sup> A Gutierrez Noriega,<sup>2</sup> M Gastelum Lucero,<sup>2</sup> L Romero Salgado<sup>2</sup>  
<sup>1</sup>Secretaria de Salud, La Paz, Baja California Sur, <sup>2</sup>Jurisdicción Sanitaria 03, La Paz, Baja California Sur, Mexico.

# Poster display sessions

Monday, 7 December 2009, 12:45 – 13:45, Poster area

- PS-95237-07 Efficacy of UV air disinfection on MDR-TB transmission in an African hospital: preliminary results**  
A Dharmadhikari,<sup>1</sup> M Mphahlele,<sup>2</sup> K Venter,<sup>2</sup> K Weyer,<sup>2</sup> M First,<sup>3</sup> S Parsons,<sup>4</sup> P Jensen,<sup>5</sup> E Nardell<sup>1,3,6</sup>  
<sup>1</sup>Division of Pulmonary and Critical Care Medicine, Brigham and Women's Hospital, Boston, MA, USA;  
<sup>2</sup>South African Medical Research Council, Pretoria, South Africa; <sup>3</sup>Harvard School of Public Health, Boston, MA, USA;  
<sup>4</sup>The Council for Scientific and Industrial Research, Pretoria, South Africa;  
<sup>5</sup>Division of Tuberculosis Elimination, Centers for Disease Control and Prevention, Atlanta, GA,  
<sup>6</sup>Division of Global Health Equity, Brigham and Women's Hospital, Boston, MA, USA.
- PS-95242-07 Effectiveness in the use of air isolation rooms for pulmonary tuberculosis in Brazil**  
MAMS Vieira, PA Costa, DA Araujo, FA Silva, GM Silva, B Barhi, FCQ Mello, AL Kritski  
Federal University Rio de Janeiro, Rio de Janeiro City, RJ, Brazil.
- PS-95339-07 Tuberculosis infection in health care workers in a high-incidence area of tuberculosis in Peru**  
C V Munayco,<sup>1</sup> L Reyes,<sup>2</sup> J C Saravia,<sup>3</sup> M Sarria<sup>2,3</sup>  
<sup>1</sup>General Directorate of Epidemiology, Lima, <sup>2</sup>Oficina de Epidemiologia, Red de Salud Tupac Amaru, Lima,  
<sup>3</sup>Estrategia Sanitaria de Prevencion y Control de Tuberculosis, Red de Salud Tupac Amaru, Lima, Peru.
- PS-95527-07 Capacity building and improvement in tuberculosis infection control in a low-income setting, Uganda**  
A Katamba, L Mfitimana  
International Union Against Tuberculosis and Lung Disease, Kampala, Uganda.
- PS-95534-07 Usefulness of calcium oxide on disposal of positive sputum samples of patients with pulmonary tuberculosis**  
M Magne  
Ministry of Health - Bolivia, La Paz, Bolivia.
- PS-95589-07 Comparison of five novel methods to detect tuberculosis cough aerosols in low-resource settings**  
P Selvam,<sup>1,2,3</sup> N Becerra,<sup>2</sup> RH Gilman,<sup>1,2,3</sup> R Pina,<sup>1,2</sup> J Alvarado,<sup>1,2</sup> J Franco,<sup>1,2</sup> B Herrera,<sup>1,2</sup> CA Evans<sup>1,2,4</sup>  
<sup>1</sup>Universidad Peruana Cayetano Heredia, Lima, <sup>2</sup>Asociacion Benefica PRISMA, Lima, Peru; <sup>3</sup>Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, USA; <sup>4</sup>IFHAD: Innovation For Health And Development, London, UK.
- PS-95624-07 Prevalence of tuberculin skin testing positivity among health care workers in Rio de Janeiro**  
J Oliveira,<sup>1,2</sup> J E Pio,<sup>1</sup> A Desterro,<sup>1</sup> F Sanches,<sup>2</sup> ECC Soares,<sup>1</sup> SC Cavalcante,<sup>1,3</sup> LB Lopes<sup>1,3</sup>  
<sup>1</sup>Rio de Janeiro Health Department, Saquarema, RJ, <sup>2</sup>UFRJ - Federal University of Rio de Janeiro, Rio de Janeiro, RJ,  
<sup>3</sup>Fiocruz- Oswaldo Cuz Foundation, Rio de Janeiro, RJ, Brazil.