

**08. High-definition insights into drug resistant tuberculosis**  
**Saturday, 05 December 2015, 12:30-13:30**

Chair: Shu- Hua WANG (USA)

Track: Drug resistance determination - molecular and phenotypic

- EP-161-05**      **Specific *gyrA* gene mutations predict poor treatment outcome in drug-resistant tuberculosis**  
L Rigouts, N Coeck, G Gumusboga, - Maug, Ma Hossen, H L Rieder, B De Jong, V D Armand (*Belgium, Bangladesh, Switzerland*)
- EP-162-05**      **Contribution of efflux pumps to rifampicin resistance in clinical isolates of *M. tuberculosis***  
A Narang, S Porwal, K Garima, A Bhandekar, K Shrivastava, R Prasad, M Bose, M Varma Basil (*India*)
- EP-163-05**      **Use of whole genome sequencing to identify mutations related to phenotypic resistance to delamanid and bedaquiline in *M. tuberculosis***  
A Cabibbe, S Battaglia, E Schena, E Borroni, P Miotto, D M Cirillo (*Italy*)
- EP-164-05**      **Characterization of resistance to rifampicin and isoniazid among Beijing *Mycobacterium tuberculosis* isolates in Kazakhstan**  
U Kozhamkulov, A Akhmetova, V Bismilda, L Chingisova, A Akilzhanova (*Kazakhstan*)
- EP-165-05**      **Sequencing-based detection of *rpoB* gene mutations in *Mycobacterium tuberculosis* strains from Malawi**  
T Chikaonda, I Kets, N Nguluwe, I Thengolose, F Nyakwawa, W Stevens, L Scott, M Hosseinipour (*Malawi, South Africa*)
- EP-166-05**      **Genetic markers of drug resistance and their association with clinical outcomes in patients with MDR-TB or XDR-TB**  
J Limberis, E Pietersen, J Jaisubash Jayakumar G Theron, K Dheda, L Smith, R M Warren, T Clark (*South Africa*)
- EP-167-05**      **Whole genome sequencing reveals accumulation of single nucleotide polymorphisms (SNPs) associated with treatment failure**  
L Malinga, J Brand, T Abeel, A Earl, M Van Der Walt (*South Africa*)
- EP-168-05**      **Use of DNA from AFB smears to perform high-throughput sequencing based surveillance for drug-resistant *Mycobacterium tuberculosis* in Afghanistan**  
J Mancuso, M Rowneki, N Hamraz, P Du, G Davis, R Blakemore, D Alland, N Aronson (*USA, Afghanistan*)
- EP-169-05**      **Association between specific mutations conferring resistance to rifampicin and isoniazid and baseline resistance to other anti-tuberculosis drugs**  
E Click, E Kurbatova, H Alexander, T Dalton, J Ershova, P Cegielski, J Posey (*USA*)