

**11. Basic science: bugs and drugs**  
**Friday, 04 December 2015, 12:30-13:30**

Chair: Valerie MIZRAHI (South Africa)

Track: Basic science

- PC-783-04**      **In vitro anti-mycobacterial activity of selected medicinal plants against Mycobacterium tuberculosis and Mycobacterium bovis strains**  
Ag Mekala, G Ameni, M Giday, A Worku (*Ethiopia*)
- PC-784-04**      **New horizons for quinolone-class agents**  
K Drlica, A Mustae, R Kerns, X Zhao, J Berger (*USA*)
- PC-785-04**      **Study of herbal bioenhancers extract on various characteristics of isoniazid and rifampicin microspheres**  
P Pingale, R.p. Ravindra (*India*)
- PC-786-04**      **Phosphate ABC transporter systems regulate the level of rifampicin resistance in Mycobacterium tuberculosis**  
M Grobbelaar, S Sampson, E Louw, T Victor Phd, P Van Helden, R M Warren, M De Vos (*South Africa*)
- PC-787-04**      **Clofazimine: mechanism of resistance within M. tuberculosis**  
H Visser, M De Vos, R Van Der Merwe, T Victor Phd, P Van Helden, R M Warren, L Paul (*South Africa*)
- PC-788-04**      **Whole genome analysis of IS6110 insertion sites in two closely related Mycobacterium tuberculosis Beijing strains with distinct pathogenic phenotypes**  
K Siame, R M Warren, P Arnab, A Abdallah, A Christoffels, N Gey Van Pittius, S Sampson (*South Africa*)
- PC-789-04**      **Global high-throughput analysis of DNA-binding proteins in Mycobacterium smegmatis**  
N Steyn, T Heunis, P Van Helden, R M Warren, M Williams, S Sampson (*South Africa*)
- PC-790-04**      **Expression and purification of Mycobacterium tuberculosis Rv1460, a possible SUF system regulator**  
D Willemse, B Weber, R M Warren, M Williams (*South Africa*)
- PC-791-04**      **Persistence of bacilli during treatment of TB is associated with changes in colony lag phase**  
D Barr, M Kamdolozi, Y Nishihara, V Ndhlovu, J Meghji, M Khonga, G R Davies, D Sloan (*UK*)