PROGRAM

08:30h Opening of the Workshop R. Aarnoutse

Session 1 Pharmacokinetics & Pharmacodynamics of Approved TB drugs in Special Populations Chairs: R. Aarnoutse & E. Nuermberger

08:45h Invited lecture: Clinical Pharmacology Issues for Pediatric TB S. Nachman
09:15h Pharmacokinetics of rifampicin, isoniazid and pyrazinamide in children on 2010 WHO/IUATLD guideline doses H. McIlerson_1
09:30h A simultaneous population pharmacokinetic analysis in Malawian adults and children of rifampicin A. Schipani_2
09:45h Pharmacokinetics of rifampin among pregnant women with tuberculosis and HIV co-infection K. Dooley_3
10:00h Discussion
10:15h Coffee break

Session 2 Pharmacokinetics & Pharmacodynamics of New and Redeveloped TB Drugs Chairs: H. McIlerson & G. Davies

10:45h Invited lecture: The Critical Path to TB Drug Regimens: Advancing through a Multidisciplinary, Multipartner Approach K. Romero
11:15h Drug-drug interactions between bedaquiline and the antiretrovirals nevirapine and lopinavir/ritonavir in patients M. Pandie_4
11:30h High dose rifampicin: a phase II trial comparing 10, 15 and 20 mg/kg rifampicin for two months R. Aarnoutse_5
11:45h Population pharmacokinetics and bacterial dynamics of sutezolid in patients with active tuberculosis K.B. Larson_6
12:00h The inhibitory potential of TB drugs on ATP-binding cassette transporters MRP1-5, P-gp, BCRP and BSEP L. Te Brake_7
12:15h Discussion
12:30h Lunch
13:15h Guided Poster Session

Session 3 Pharmacokinetic & Pharmacodynamic Modeling Chairs: C. Peloquin & E. Nuermberger

14:00h Invited lecture: Pharmacological Knowledge Gaps in the Treatment of TB Meningitis G. Thwaites
14:30h A quantitative and systems pharmacology approach to dose optimization in experimental tuberculosis: opportunities and experimental data needs M. Lyons_8
14:45h A semi mechanistic pharmacokinetic-pharmacodynamic template model for studying antitubercular drug effects in vitro O. Clewe_9
15:00h Pharmacokinetics of levofloxacin in M/XDR tuberculosis patients N. Van’t Boveneind-Vrubleuskaya_10
15:15h Discussion
15:30h Coffee Break


16:00h Invited lecture: Inhaled Therapy for TB E. Nardell
16:30h Intra cavitary penetration of levofloxacin among patients with multidrug-resistant tuberculosis R. Kempker_11
16:45h Anti-Tuberculosis Activity of Pyrazinamide Varies by Lesion Type in C3heb/Fej Mice Lanoix, J.-P._12
17:00h Real-time and non-invasive, multi-compartment pharmacokinetics of 11c-rifampin in mycobacterium tuberculosis infected mice using dynamic positron emission tomography V.P. DeMarco_13
17:15h Computational pharmacology of rifampin in mice: an application to dose optimization with conflicting objectives in tuberculosis treatment M. Lyons_14
17:30h Discussion
17:45h Closure of the Workshop