

Inhaled Therapies for Tuberculosis and Other Infectious Diseases

Parma, Italy, 14-16 October 2015

Moderators

- Ruggero Bettini, University of Parma, IT
- Paolo Colombo, University of Parma, IT
- Anne H. de Boer, University of Groningen, NL
- Brian Robertson, Imperial College London, UK
- Terada Hiroshi, Niigata University, JP

Rapporteurs

- Gerrit Borchard, University of Geneva, CH
- Gaia Colombo, University of Ferrara, IT
- Carsten Ehrhardt, Trinity College Dublin, IE
- Stavros Kassinos, University of Cyprus, CY
- Rodolfo Pinal, Purdue University, US
- Dimitrios M. Rekkas, National and Kapodistrian University of Athens, GR
- Alessandra Rossi, University of Parma, IT
- Fabio Sonvico, University of Parma, IT
- Peter Stewart, Monash University, AU
- Nicolas Tsapis, Paris-Sud University, FR

Wednesday October 14, 2015		
Tuberculosis: mechanisms of mucosal immunity and patho-physiology		
Moderator: Paolo Colombo; Rapporteurs: Gerrit Borchard, Carsten Ehrhardt		
<i>Speaker</i>	<i>Title</i>	<i>Time</i>
Larry Schlesinger Ohio State University, US	Tuberculosis: The Microbe-Host Interface	16:00
Alfredo Chetta University of Parma, IT	Inflammation and the airway epithelium	16:30
Joseph Keane Trinity College Dublin, IE	Host immune response to tuberculosis	17:00
Helen McShane, Oxford University, UK	Acquired immune responses and inhaled vaccines	17:30
Rapporteurs' presentation and discussion		
Welcome Reception		18:30

Thursday October 15, 2015

Inhaled Therapies: small molecules, peptides, nucleic acids, vaccines, phages...

Moderator: Hiroshi Terada; Rapporteurs: Rodolfo Pinal, Fabio Sonvico

Reinhard Vehring University of Alberta, CA	Inhaled phages for infectious disease therapy	09:00
Bernard Fourie University of Pretoria, SA	Inhaled microparticles of clofazimine: status and prospects	09:30
Amit Misra Central Drug Res Institute, IN	Small molecules that nudge host responses	10:00
Break		
Mercedes Gonzalez-Juarrero Colorado State University, US	Inhaled siRNA targeting key host cytokines	11:00
Jenny Ka-Wing Lam University of Hong Kong, HK	Antimicrobial peptides against <i>Mycobacterium Tuberculosis</i>	11.30
Pavan Muttill University of New Mexico, US	Nontuberculous mycobacteria as drug and antigen carriers	12:00
Rapporteurs' presentation and discussion		
Lunch		

Inhaled Therapies: non-clinical and clinical evaluation

Moderator: Brian Robertson; Rapporteurs: Dimitrios M. Rekkas, Peter Stewart

Lucila Garcia Contreras University of Oklahoma, US	Pharmacokinetics and disposition	14:30
Ben Forbes King's College London, UK	Engineered particles and inhalation safety	15:00
Kimiko Makino Tokyo University of Science, JP	Particles that can penetrate the granuloma	15:30
Break		
Aurélie Schoubben University of Perugia, IT	Aerodynamic properties and pharmacokinetics of capreomycin oleate supergenerics	16:30
Ann Rawkins Public Health England, UK	Animal models of efficacy	17.00
Edward Nardell Harvard Medical School, US	Preventing and treating tuberculosis by inhalation	17.30
Rapporteurs' presentation and discussion		
Conference Dinner		20.30

Friday, October 16, 2015

Formulations and devices for tuberculosis and other pulmonary infections

Moderator: Ruggero Bettini; Rapporteurs: Gaia Colombo, Nicolas Tsapis

Robert Williams University Texas in Austin, US	The impact of pulmonary diseases on the fate of inhaled medicines	09:00
Erik Frijlink University of Groningen, NL	Large doses and disposable devices	09:30
Jason Mc Conville New Mexico University, US	Enhancing Macrophage Uptake of Rifampicin	10:00
Break		
Elias Fattal Paris-Sud University, FR	Nanoparticulate drugs and inhalation	11.00
Daniela Traini University of Sydney, AU	Multidrug particles of antibiotics	11:30
Francesca Buttini University of Parma, IT	High doses delivered as powders: convenience and compliance	12:00
Rapporteurs' presentation and discussion		
Lunch		

Moderator: Anne De Boer, Rapporteurs: Stavros Kassinos, Alessandra Rossi

Heribert Mentzel Pari, DE	Nebulization and pulmonary infections	14:30
Karim Amighi University of Brussels, BE	Inhalable formulation of antibiotics for dry powder inhalers	15:00
Philippe Rogueda Monash University, AU	Disposable devices technology	15:30
Break		
Igor Gonda Aradigm Corporation, US	Liposomes for non tubercular mycobacterium and other infections	16:30
Anthony Hickey RTI International, US	What we have learnt and the way forward	17:00
Rapporteurs' presentation and discussion		
Paolo Colombo, Antony Hickey, Amit Misra		
Closure and meeting resolutions/statement		