



MYCODAYS | 2024

A symposium of ANRS | MIE
- Tuberculosis Coordinated Action -

Institut Pasteur de Lille
July 3-5, 2024



MYCODAYS | 2024 - SCIENTIFIC COMMITTEE

Alain Baulard • Maryline Bonnet • Priscille Brodin • Roland Brosch • Stéphane Canaan • Oana Dumitrescu • Jean-Louis Herrmann • Laurent Kremer • Didier Laureillard • Camille Locht • Estelle Marion • Olivier Neyrolles • Pierre Santucci • Nicolas Veziris • Nathalie Winter

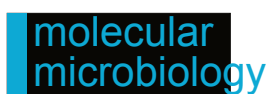
ORGANIZING COMMITTEE

Alain Baulard • Olivier Neyrolles
ANRS | MIE Département Recherche fondamentale:
Cécile Peltekian • Guia Carrara • Rachel Bellone • Maimouna Djamila NGADJAGA
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ANRS|MIE AC-TB

Olivier Neyrolles • Francois-Xavier Blanc • Alain Baulard • Guislaine Carcelain • Didier Laureillard • Olivier Marcy • Maryline Bonnet • Nathalie De Castro • Philippe Van de Perre

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All participant registered to "MYCODAYS | 2024" are also welcome to join the "Acid Fast Club 70th anniversary meeting, Institut Pasteur de Lille 2-3 July 2024". Please contact Pr. Michael Barer for details (mr19@leicester.ac.uk)

Wed 03 July

- 17:00** Welcome & Coffee
17:30 Opening remarks
18:00 Shared Keynote Lecture with the Acid Fast Club
Christian Lienhardt : The Long and Winding Road to Novel Tuberculosis Treatments
19:00 Wine & Cheese with the Acid Fast Club

Thu 04 July

- 08:45** Welcome & Coffee
- 09:00** **Nathalie Winter** : Neutrophil subsets play dual roles in tuberculosis by producing inflammasome dependent-IL-1 β or suppressing T-cells via PD-L1
09:30 **Isabelle Vergne** : Exploring the macrophage cytosol for novel *Mycobacterium tuberculosis* lipid-binding proteins involved in innate immunity
09:50 **Natacha Faivre** : Tuberculosis-induced glycolysis favors tunneling nanotube formation, promoting HIV-1 dissemination in macrophages
10:10 Short talks by **speaker selected from abstracts**
- 10:25** Coffee break
- 10:50** **Vivek Thacker** : Early events in tuberculosis - harnessing micro-physiological models to study humanity's oldest foe
11:20 **Sarah Monard** : Identification of a novel nerve cell population in lung granulomas during tuberculosis
11:40 **Wendy Le Mouellic** : *Mycobacterium tuberculosis* sulfur acquisition during infection
12:00 Short talks by **speaker selected from abstracts**
- 12:15** Lunch
- 13:15** **Fabrice Bonnet** : Title to be announced
13:45 **Lorenzo Guglielmetti** : endTB clinical trial, efficacy and safety of new, shorter treatment regimens for MDR-TB
14:15 **Praha Rupasinghe** : MIC distribution of the endTB and endTB Q clinical trial isolates for the new and repurposed anti-TB drugs
14:45 **Olivier Bahuaud** : Dynamics of T cell phenotypic profiles during tuberculosis treatment
15:05 Short talks by **speaker selected from abstracts**
- 15:20** Coffee break
- 15:45** **Nicolas DURAND** : MmpL diversity is a key factor involved in the mycobacterial virulence in the opportunistic pathogen *Mycobacterium abscessus*

- 16:15 Louis David Leclercq** : Non-tuberculous mycobacteria and glycopeptidolipid : what's new from *Mycobacterium abscessus*?
- 16:35 Silke Malmshheimer** : *Mycobacterium abscessus* trehalose polyphosphates are important for survival in macrophages
- 17:05** Short talk by **speaker selected from abstracts**
- 17:20 Christian Chalut** : The mycobacterial antibiotic resistance determinant WhiB7 mediates drug tolerance in the emerging human pathogen *Mycobacterium abscessus*
- 17:40 Francesco Olea Popelka** : Using the One Health approach to address the challenges posed by *Mycobacterium tuberculosis* complex species in livestock, wildlife, and humans
- 19:00 Aperitif**

Fri 05 July

08:00 Coffee

- 08:30 Charlotte Genestet** : Translational approach to decipher *Mycobacterium tuberculosis* host specificity
- 08:50 Bouke de Jong** : How do we protect all oral regimens from acquiring resistance?
- 09:20** Short talks by **speaker selected from abstracts**

09:35 Coffee break

- 10:00 Ruben Hartkoorn** : Developing novel anti-tuberculosis molecules into a potential drug regimen: thoughts and processes
- 10:30 Tiago Beites** : Turning *Mycobacterium tuberculosis* appetite for fatty acids against itself
- 11:00** Short talk by speaker **selected from abstracts**
- 11:15 Digby Warner** : *Mycobacterium tuberculosis*: hiding in plain sight
- 11:45 Kamel Djaout** : Improving pretomanid potency to revert resistance

12:05 Lunch

13:05 Keynote lecture

- Edith Houben** : Inner workings of mycobacterial type VII secretion systems
- 13:55 Zainab Edoo** : Simultaneous inhibition of multiple aminotransferases as a new strategy against TB
- 14:15** Short talks by **speakers selected from abstracts**
- 14:30 Ludovic Tailleux** : Improving TB Treatment by Targeting Macrophages
- 15:00 Meindert H. Lamers** : Targeting DNA replication in *Mycobacterium tuberculosis*

- 15:45** Best-Poster Award (FEBS Open Bio) and Best Young-Scientist Talk Award (Molecular Microbiology)

16:00 Farewell