

**Koch-Metschnikof Forum on Tuberculosis**

**The School**

**«Lung tissue inflammation:**

**pathogenesis,**

**regulation**

**and immune response»**



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| **April, 25, 2017** |
| Registration 9.00 – 10.30 |
| Opening ceremony |
| 10:30 – 10:55 | A. ErgeshovA. AptD. McMurrayAcademy official (TBA) | Opening remarks |
| Session 1 – Mycobacterial infections –immune response and genetic controlChairs: D. McMurray, O. Demikhova |
| 11:00-11:30 | Erwin SchurrMcGill University | Human genetics of M. tuberculosis infection |
| 11:30-12:00 | Alexander AptCIT, Moscow | IL-11 in tuberculosis infection |
| 12.00-12.30 coffee break |
| 12:30-13:00 | Irina LingeCIT, Moscow | Regulation of M. avium infection in mice |
| 13.00-13.30 | Tatiana AzhikinaInstitute for Bioorganic Chemistry, Moscow | Short regulatory mycobacterial RNAs |
| 13:40 – 14.40 Lunch |
| Session 2. Pulmonary TB – Inflammation and Immune ResponseChairs: A. Apt, V. Gergert |
|  14:45-15:15 | Tobias DallengaBorstel, Germany | Inhibition of neutrophil necrosis controls Mycobacterium tuberculosis growth after removal by macrophages |
| 15:15-15:45 | Irina Lyadova CIT, Moscow | Th1 and Th17 responses in active and latent TB |
| 15:45-16:15 |  David McMurray A&M University of Texas | Opposing roles of TNF-a in aguinea pig model of pulmonary TB |
| 16:15- 16:45 | Vladimir YeremeevCIT, Moscow | Short regulatory RNAs in the lung tissue of TB patients |
| 17.00 Get together party |
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| **April 26, 2017** |
| Session 3. Mycobacterial variabilityChairs: T. Ulrichs, T. Kondratieva |
| 10:30-11:00 | Matthias Merker,Borstel, Germany | Evolution and recent spread of multidrug resistant Mycobacterium tuberculosis strains in Eastern Europe |
|  11:00-11:30 | Larisa Chernousova CIT, Moscow  | Phonotypic sensitivity to anti-TB drugs in M. tuberculosis strains carrying mutations in genes involved in RIF and IHN resistance |
| 11:30 – 11:45 Coffee break |
| 11:45-12:15 | Arseny KaprelyantsBach Institute, Moscow | Mycobacterial dormancy-reactivation |
| 12:15 – 12:45 | Vera UstinovaCIT, Moscow | Detection of non-TB mycobacteria in Russia |
| 13:00-14:00 - Lunch |
| Session 4. New drugs and protective factorsCairs: S. Stengler, V. Yeremeev |
| 14:00-14:30 |  Boris NikonenkoCIT, Moscow  | Activity of new indole derivates against *Mycobacterium tuberculosis* and *Mycobacterium avium* |
| 14:30-15:00 | Vadim Makarov Bach Institute, Moscow | Actual progress with PBTZ169 development |
| 15:00-15:30 | Stefan StenglerUniversity of Ulm, Germany | Lipoarabidomanna-responsive polycytotoxic T cells are associated with protection in human tuberculosis |
| 15:30-16:00 | Olivier NeyrollesResearch Center, Toulouse, France | TBA |
| 17:15 – Speakers Dinner |
| **April 27, 2017** |
| Session 5. School on lung inflammationChairs: Alexander Apt, Tatiana Kondratieva |
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| 11:00- 12:00 | Prof. Timo UlrichsKoch-Metchnikoff Forum, Berlin, Germany | Research in diagnostics, treatment and prevention of tuberculosis: state of the art and challenges in the coming years |
| 12:00-13:00 |  David McMurray, A&M University, Texas, USA | The role of neutrophils in a guinea pig model of pulmonary tuberculosis |
| 13:00-13:15 - Coffee break |
| 13:15-14:15 | George KosmiadiCIT, Moscow | Lung immunity in TB and non-infectious deseases |
| 14:15 -15:15 Conclusion remarks, Posters discussion |
| 15:30 – Lunch and departure |