

Meeting on Cell Biology of Infections

October 13 – 14, 2016

Venue : Dasher

October 13, 2016

8:30 – 9:00

Registration

9:10 – 9:15

Welcome

Satyajit Mayor, National Centre for Biological Sciences,
Bangalore

Session 1

9:15 – 9:45

Norma Andrews – U Maryland, Washington

Subversion of plasma membrane repair by an
intracellular parasite.

9:45 – 10:15

Roop Malik – TIFR, Mumbai

Active transport of Phagosomes and Lipid droplets :
Implications for Infectious disease.

10:15 – 10:45

Shaeri Mukherjee – UCSF, San Francisco

Bacterial Manipulation of the Host Unfolded Protein
Response

10:45 – 11:15

Tea / Coffee

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Session 2

11:15 – 11:30	Aastha Sindhwani – IISER, Mohali HOPS complex regulates biogenesis of Salmonella – containing vacuole and infection within host cells.
11:30 – 12:00	Rajesh Gokhale – IGIB, New Delhi Mycobacterium tuberculosis Recalibrates Host Signaling Networks to Potentiate Osteoclast Differentiation and Bone Damage.
12:00 – 12:30	Padmini Salgame – Rutgers University, New Jersey Pathogenesis and Transmission of Mycobacterium tuberculosis.
12:30 – 13:00	Nagaraja V – JNCASR / IISc, Bangalore Perturbation of topology homeostasis in Mycobacterium tuberculosis.
13:00 – 14:00	Lunch
14:00 – 15:15	Poster Session
15:15 – 15:45	Tea / Coffee

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Session 3

15:45 – 16:15	Amit Singh – IISc, Bangalore Redox signaling in human pathogens
16:15 – 16:45	Varadha Sundaramurthy – NCBS, Bangalore Rewiring of host trafficking networks upon intracellular infections.
16:45 – 17:15	Thomas Rudel – U Wuerzburg, Wuerzburg Chlamydia maintains mitochondrial integrity and host cell energy supply via microRNA and p53 regulation.
17:15 – 17:45	Marino Zerial – MPI – CBG, Dresden Targeting the endo-lysosomal machinery as Host-Directed Therapy for tuberculosis.
17:45 – 18:30	Discussion
19:00 Onwards	Dinner

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Session 4

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| 9:15 – 09:45 | Utpal Tatu – IISc, Bangalore
Transcriptomic, proteomic and metabolomic analysis of sexual stage development in Malaria. |
| 09:45 – 10:15 | Sunando Datta – IISER, Bhopal
Amebic Actin Dots : Tool for ECM invasion |
| 10:15 – 10:45 | Sathyajit Mayor – NCBS, Bangalore
The molecular machinery and function of a clathrin and dynamin independent endocytic pathway. |
| 10:45 – 11:15 | Tea / Coffee |

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Session 5

11:15 – 11:30	Maruthi M – U Hyderabad Modulation of host cell SUMOylation facilitates efficient infection of Plasmodium berghei and Toxoplasma gondii.
11:30 – 12:00	Shobhona Sharma – TIFR, Mumbai Targeting ribosomal protein to impair cell division and mitochondria for the growth of Plasmodium.
12:00 – 12:30	Satish Mishra – CDRI, Lucknow Plasmodium berghei S14 is Essential for Gliding Motility and Infectivity of Sporozoites.
12:30 – 13:00	Maria Mota – IMM, Lisbon The complexity and the simplicity of host – Plasmodium interactions.
13:00 – 14:00	Lunch
14:00 – 15:30	Poster
15:30 – 16:00	Tea / Coffee

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Session 6

16:00 – 16:30	Ranabir Das – NCBS, Bangalore Hijack of the Ubiquitin like modification pathways by the Herpes Simplex Virus.
16:30 – 17:00	Christian Stigloher – U Wuerzburg, Wuerzburg Providing 3D access to super resolved protein and TNA localization with advanced Correlative Light and Electron Microscopy
17:00 – 17:30	Arturo Zychlinsky – MPI – IB, Berlin NETs – the second function of chromatin.
17:30 – 17:45	Closing Remarks – Marino Zerial
17:45 – 18:30	Discussion
19:00 Onwards	Dinner