Seminar on
GENOMICS AND TUBERCULOSIS

Friday, 11 May 2018
Interact Hall Gd (Ground Floor)
Kasturba Medical College, Manipal

Jointly organized by
Department of Microbiology, Kasturba Medical College, Manipal
School of Life Sciences, Manipal
and University of Sydney

This event is supported by the Australian Department of Foreign Affairs and Trade through the Australia Awards Program
Dear Friends/Colleagues

Tuberculosis is a devastating disease claiming 1.4 million lives each year. The conventional time consuming, cumbersome procedures are not sufficient to achieve the aspirational goal of “TB Elimination” by 2050. The application of genomics and various other ‘omics’ is the key factor to global efforts in control of this infectious disease by developing new drugs, new vaccines and newer diagnostics. This seminar is the collaborative effort by Department of Microbiology, Kasturba Medical College, Manipal; School of Life Sciences, Manipal and University of Sydney to highlight about the contributions of genomics in tuberculosis and then to deliberate with eminent researchers in this field the key areas of research and development that will be required in order to harness the full potential of genomics approaches for the control of TB in endemic regions.

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**Dr Pragna Rao**
Dean
Kasturba Medical College, Manipal
Programme Schedule

9.00 – 9.30 a.m. - Inauguration

Time: 9.30 – 10.30 a.m.
Topic: Added value of genomics in TB control

Speaker: Prof. Vitali Sintchenko
Sydney Medical School – Westmead
Director, Centre for Infectious Diseases and Microbiology - Public Health
The University of Sydney

Time: 10:30 – 11:30 a.m.
Topic: Targeting topoisomerases and topology modulators to counter resurgent Mycobacterium tuberculosis

Speaker: Dr Valakunja Nagaraja
President
Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)
Department of Microbiology and Cell Biology, Indian Institute of Science (IISc), Bengaluru

11.30 – 12.00 noon - Tea Break

Time: 12:00 – 1:00 p.m.
Topic: Paediatric TB: Insights from Epidemiology & Genomics

Speaker: Prof. Ben Marais
Infectious Diseases Clinician
The Children’s Hospital at Westmead
Deputy Director, Marie Bashir Institute for Infectious Diseases and Biosecurity (MBI)
Centre for Research Excellence in Tuberculosis (TB-CRE)
The University of Sydney

1:00 – 2:00 p.m. - Lunch

Time: 2.00 – 2.40 p.m.
Topic: Genomics of Infectious Diseases

Speaker: Prof. K Satyamoorthy
Director
School of Life Sciences
Manipal Academy of Higher Education, Manipal
Time: 2.40 – 3.20 p.m.
Topic:
Beta-lactam tolerance in Mycobacterium tuberculosis

Speaker: Dr Amit Singh
Assistant Professor
Wellcome-India Alliance Senior Fellow
Department of Microbiology and Cell Biology (MCBL)
Centre for Infectious Disease and Research (CIDR)
Indian Institute of Science (IISc), Bengaluru

3.20 – 3.40 p.m. - Tea Break

Time: 3.40 - 4.10 p.m.
Topic:
Global Health: Individuals, Institutions and Partnership

Speaker: Dr Shailendra Sawleshwarkar
Senior Lecturer and Clinical Academic,
Western Sydney Sexual Health Centre, Western Sydney LHD
Program Director
Postgraduate Program in Sexual and Reproductive Health,
Sydney Medical School
Marie Bashir Institute for Infectious Diseases and Biosecurity
The University of Sydney

Time: 4.10 – 5.00 p.m.
Panel lead: Dr Kiran Chawla
Panelists:
Prof. Vitali Sintchenko, Prof. Ben Marais
Dr Valakunja Nagaraja, Dr H Manjunatha Hande
Dr Shailendra Sawleshwarkar, Dr Amit Singh

Panel discussion:
Translational Research in Tuberculosis

Conveners
Dr K Satyamoorthy
Director
School of Life Sciences, Manipal

Dr Kiran Chawla
Professor & Head
Department of Microbiology, KMC, Manipal

Registration for the Seminar

Name: Dr./Mr./Ms. ........................................................................................................

Designation: ........................................................................................................

College/Institution: ...................................................................................................

Mobile No: ........................................................................................................

E-mail: ...................................................................................................................

There is no Registration fees for the Seminar. Kindly send your registration requests with above details by e-mail to shashidhar.v@manipal.edu  I Last date for registration: 7 May, 2018.