



**KASTURBA MEDICAL COLLEGE**  
MANIPAL  
*(A constituent unit of MAHE, Manipal)*



**SCHOOL OF LIFE SCIENCES**  
MANIPAL  
*(A constituent unit of MAHE, Manipal)*



THE UNIVERSITY OF  
**SYDNEY**

# 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

# About the Seminar

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.

## Chief Patrons

**Dr Ramdas M Pai**

Chancellor & President  
Manipal Academy of Higher Education, Manipal

**Mrs Vasanti R Pai**

Chairperson, Hostel Management Committee  
Manipal Academy of Higher Education, Manipal

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**Dr Narayana Sabhahit**

Registrar  
Manipal Academy of Higher Education, Manipal

**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 discussion:  
**Translational Research in  
Tuberculosis**

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**

### 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** | Last date for registration: **7 May, 2018.**