

# Workshop and Conference on Infectious Disease Modeling

The Institute of Mathematical Sciences, Chennai, INDIA

**Nov 23-Dec 1, 2015**

The Institute of Mathematical Sciences (IMSc), Chennai, India, in association with the EPSRC-DST Indo-UK Initiative in Applied Mathematics and the EU-FP7 supported Indo-European Research Network in Mathematics for Health and Disease, will host a workshop and conference on the modeling of infectious diseases.

The workshop aims at providing hands-on training to researchers from the quantitative sciences in the modeling of several aspects of infectious diseases, including :

- Epidemiology: data analysis and mathematical modeling.
- Genomics & evolutionary biology of pathogens,
- Systems biology of host-pathogen interactions
- Emergent Infectious Diseases: Data, Models and Public Health Implications

The conference following the workshop will bring together biologists, clinicians and public health specialists working on infectious diseases with scientists from a modeling background, with the aim of fostering cross-disciplinary interactions and long-term collaborations.

Contributed talks by participants are encouraged and will be selected from abstracts submitted at the time of application for the conference.

Speakers at the Conference and Workshop include:

- ▶ Niyaz Ahmed (University of Hyderabad, Hyderabad)
- ▶ Vineeta Bal (NII, Delhi)
- ▶ R N K Bamezai (JNU, Delhi)
- ▶ Robin Callard (UCL, London)
- ▶ Anton Camacho (LSHTM, London)
- ▶ Mario Castro (Universidad Pontificia Comillas de Madrid, Madrid)
- ▶ Nagasuma Chandra (IISc, Bangalore)
- ▶ Edgar Delgado-Eckert (University of Basel, Basel)
- ▶ Narendra Dixit (IISc, Bangalore)
- ▶ Jose Faro (University of Vigo, Vigo)
- ▶ Sebastian Funk (LSHTM, London)
- ▶ Gwen Knight (Imperial College, London)
- ▶ Saumyadipta Pyne (IIPH, Hyderabad)
- ▶ Udaykumar Ranga (JNCASR, Bangalore)
- ▶ Satyajit Rath (NII, Delhi)
- ▶ Balachandran Ravindran (ILS, Bhubaneswar)
- ▶ Martin Lopez-Garcia (University of Leeds, Leeds)

Organizers: Sitabhra Sinha (IMSc, Chennai), Gautam I Menon (IMSc, Chennai), Carmen Molina-Paris (University of Leeds, Leeds), Grant Lythe (University of Leeds, Leeds)

If you are a PhD student, post-doctoral fellow, an early career faculty member or clinical researcher interested in these areas, please visit

[www.imsc.res.in/~sitabhra/meetings/infection15/](http://www.imsc.res.in/~sitabhra/meetings/infection15/) for more details