



L'INSTITUT SHASTRI INDO-CANADIEN INDO-CANADIAN INSTITUTE



# EMERGING TRENDS IN INFECTIOUS DISEASES: PREPARING FOR THE NEXT GENERATION OF PATHOGENS

**Date: March 24<sup>th</sup> & 25<sup>th</sup>, 2022**

**Time: 5:30 pm IST, 8:00 am EST**

## Special Invitees

**Dr. Rajesh S. Gokhale**

Secretary, Department of Biotechnology,  
Government of India, New Delhi, India

**Dr. Usha Vijayraghavan**

Dean, Biological Sciences, IISc, Bangalore, India

**Dr. Baljit Singh**

Vice-President Research, University of  
Saskatchewan, Canada

**Dr. Karen Mossman**

Vice-President Research, McMaster University,  
Canada

**Dr. Ram A. Vishwakarma**

Chairman, COVID Strategy group of CSIR, India

**Dr. Prachi Kaul**

Director, Shastri Indo-Canadian Institute, India

## Organizers



**Dr. Neeraj Dhar**  
**Dr. Arinjay Banerjee**



**Dr. Amit Singh**

## Distinguished Speakers



**Dr. Gerry Wright**

Director, Canada's Global Nexus for  
Pandemic and Biological Threats  
Professor and Canada Research Chair  
McMaster University, Canada



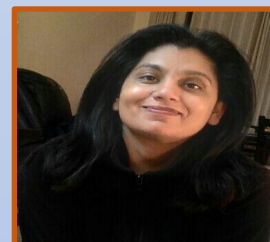
**Dr. Vinay K Nandicoori**

Director, Centre for Cellular and  
Molecular Biology, Hyderabad, India



**Dr. Eric Brown**

Distinguished University Professor,  
Canada Research Chair, McMaster  
University, Canada



**Dr. Ranjana Pathania**

Professor, IIT Roorkee, India



**Dr. Volker Gerdts**

Director, Vaccine and Infectious  
Disease Organization, University of  
Saskatchewan Canada



**Dr. Matthew S. Miller**

Associate Professor and Canada  
Research Chair, McMaster University  
Canada



**Dr. Shashank Tripathi**

Assistant Professor, Indian Institute of  
Science, Bangalore, India



**Dr. Raghavan Varadarajan**

Professor, Indian Institute of Science  
Bangalore, India

**Funded by: Shastri Indo-Canadian Institute**

Registration: [https://usask-ca.zoom.us/meeting/register/tJUUpdOuvrTMpE9XzQsha0E4p4OwICgH\\_45Jv](https://usask-ca.zoom.us/meeting/register/tJUUpdOuvrTMpE9XzQsha0E4p4OwICgH_45Jv)





## EMERGING TRENDS IN INFECTIOUS DISEASES: PREPARING FOR THE NEXT GENERATION OF PATHOGENS

**Date: March 24<sup>th</sup> & 25<sup>th</sup>, 2022 Time: 5:30 PM IST/8:00 AM EST**

### Detailed Program

#### March 24<sup>th</sup> 2022: Bacterial infections and antimicrobial resistance

5:30 – 6:00 PM	<b>Session 1: Introduction by Canadian and Indian dignitaries</b> <i>Moderator: Dr. Amit Singh, IISc</i>
	Special Invitees (Dr. Usha Vijayraghavan, Dr. Baljit Singh, Dr. Karen Mossman & Dr. Prachi Kaul)
	<b>Session 2: Bacterial infections and antimicrobial resistance</b> <i>Moderator: Dr. Neeraj Dhar, University of Saskatchewan, Canada</i>
6:00 – 6:30 PM	Dr. Gerry Wright: Antibiotic resistance: Origins, mechanisms, and inhibition
6:30 – 7:00 PM	Dr. Vinay K Nandicoori: Transcriptional regulation in <i>Mycobacterium tuberculosis</i>
7:00 – 7:30 PM	Dr. Eric Brown: Bugs, drugs and cell systems
7:30 – 8:00 PM	Dr. Ranjana Pathania: Targeting persistence and resistance in <i>Acinetobacter baumannii</i> : A two-pronged approach
8:00 – 8:30 PM	<b>Session 3: Open discussion</b>

#### March 25<sup>th</sup> 2022: Emerging and reemerging viral diseases

5:30 – 6:00 PM	<b>Session 4</b> <i>Moderator: Dr. Balaji KN, IISc</i>
	Special Invitees (Dr. Rajesh S. Gokhale & Dr. Ram A. Vishwakarma)
	<b>Session 5: Emerging and Reemerging viral diseases</b> <i>Moderator: Dr. Arinjay Banerjee, University of Saskatchewan, Canada</i>
6:00 – 6:30 PM	Dr. Volker Gerdts: Rapid responses to new pathogens - addressing future pandemics
6:30 – 7:00 PM	Dr. Matthew S. Miller: Broadly-protective strategies for prevention of influenza and coronavirus pandemics
7:00 – 7:30 PM	Dr. Shashank Tripathi: Translating COVID-19 OMICs data into clinical interventions
7:30 – 8:00 PM	Dr. Raghavan Varadarajan: COVID-19 Immunogen design
8:00 – 8:30 PM	<b>Session 6: Open discussion</b>
8:30 – 8:40 PM	Closing remarks Dr. Amit Singh

**Organizers**



**VIDO**  
Dr. Neeraj Dhar  
Dr. Arinjay Banerjee



Dr. Amit Singh

Funded by  
Shastri Indo-Canadian Institute