

Recent Advances in Translational Medicine

Virtual Shastri Foundation Symposium

11-12, March 2022

About the Meeting

Translational medicine has pervaded into all the contemporary studies on disease states. To be at the forefront of fulfilling the unmet needs in time, translational medicine embodies multidisciplinary approaches. Many human diseases continue to evade successful diagnosis and treatment and there has been a significant emphasis in the recent past towards bench to bedside translational research. The symposium under the aegis of Shastri Indo-Canadian Institute brings together the researchers and scholars working in different disciplinary areas under one roof to deliberate, to interact and to promote the contemporary knowledge by forging collaborations.

Topics covered

Fluorescence and Photoacoustic Spectroscopy
Biophotonics
Raman Scattering & AI
Microfluidics & 3D Tumor Model
Inflammation & immunity
Genetic and Epigenetics of epithelial cancers

Registration Fee
Free



SPEAKERS

Dr. K Satyamoorthy
Dr. Padmalatha S Rai
Dr. Krishna K Mahato
Dr. Manjunath B Joshi
Dr. Sanjiban Chakrabarty
Dr. Nirmal Mazumder



Dr. Hanan Anis
Dr. Ben Tsang
Dr. Fereshteh Esfandiari
Dr. Meshach Asare-Werehene
Mr. Robert Hunter

Dr. K. Satyamoorthy
MAHE, Manipal,
India

CONVENERS
Dr Hanan Anis
uOttawa
Ottawa, Canada

Dr. Ben Tsang
uOttawa & OHRI,
Ottawa, Canada

For more details and registration, please contact: mlsc@manipal.edu

[Click here to join the meeting](#)

Funded by:

Shastri Indo-Canadian Institute (SICI)

The Shastri Indo-Canadian Institute (SICI) is a unique bi-national organization, mandated by governments of India and Canada to promote, facilitate and nurture academic linkages, collaborations & exchanges, research partnerships, and networks on bi-national corridors. With its physical presence in New Delhi, India and Calgary, Canada, and a strong base of 131 Indian and 37 Canadian member institutions, for past 53 years, SICI is the only organization in the Canada-India higher education corridor that is instrumental in building and strengthening intellectual and cultural relationship through research and dialogue. Funded by the Ministry of Education, Government of India, it supports diverse disciplines including Social Sciences, Humanities, Science & Technology, Biotechnology, Agriculture, Arts, Literature, Culture, Law, Business, Economic Reform, etc. and covers all levels of higher education from undergraduate to postdoc and from faculty to collaborative research.

Virtual Shastri Foundation symposium Recent Advances in Translational Medicine

Jointly Organized by

**Manipal Academy of Higher Education (MAHE), Manipal, India
University of Ottawa (UOttawa), Canada**

Scientific Program (11 March 2022)

Day 1

18:00-18:30 IST (07:30-07:35 EST)

Welcome: Prof. K. Satyamoorthy, MAHE, Manipal, India

Address by: Lt. Gen. (Dr.) M. D. Venkatesh VSM (Retd), Vice Chancellor, MAHE, Manipal, India

Dr. Prachi Kaul, Director, Shastri Indo-Canadian Institute, New Delhi, India

Prof. Sylvain Charbonneau, Ph.D., Vice-President, Research and Innovation, uOttawa, Canada

Prof. Ben Tsang, uOttawa, and Ottawa Hospital Research Institute (OHRI), Canada

Speakers

Chairs

18:30-19:00 IST

08:00-08:30 EST

Fluorescence and Photoacoustic Spectroscopy Together with Machine Learning in Biomedical Applications
Dr. Krishna K Mahato
MSLS, MAHE, India

Dr. Ben Tsang &
Dr. K Satyamoorthy

19:00-19:30 IST

08:30-09:00 EST

Medical Diagnostics with Surface Enhanced Raman Scattering
Mr. Robert Hunter
uOttawa, Canada

19:30-20:00 IST

09:00-09:30 EST

Detection of Ovarian Cancer Chemoresistance using a Novel Sensor and Artificial Intelligence
Dr. Meshach Asare-Werehene
uOttawa and OHRI, Canada

20:00-20:30 IST

09:30-10:00 EST

Label-free Nonlinear Optical Microscopy for Biomedical Research
Dr. Nirmal Mazumder
MSLS, MAHE, India

20:30-21:00 IST

10:00-10:30 EST

Biophotonics and Design Innovations
Dr. Hanan Anis
uOttawa, Canada

21:00-21:45 IST

10:30-11:15 EST

Brainstorming session
Research collaborations, joint research programs exchange visit



Scientific Program (12 March 2022)

Day 2

Speakers		Chairs
18:30-19:00 IST 08:00-08:30 EST	Genetic and Epigenetics of Epithelial Tumors – Our findings and Opportunities Dr. K Satyamoorthy MSLS, MAHE, India	Dr. Hanan Anis & Dr. K.K. Mahato
19:00-19:30 IST 08:30-09:00 EST	Organoids: An Amenable Experimental Model for Studying the Epigenetic Aspects of Endometriosis Dr. Fereshteh Esfandiari uOttawa and OHRI, Canada	
19:30-20:00 IST 09:00-09:30 EST	Microfluidic 3D Tumor Model for Breast Cancer Dr. Sanjiban Chakrabarty MSLS, MAHE, India	
20:00-20:30 IST 09:30-10:00 EST	Type 2 Diabetes associated changes in immuno-metabolic axis: Influence on neutrophil functions and consequences in infections and thrombosis Dr. Manjunath B Joshi MSLS, MAHE, India	
20:30-21:00 IST 10:00-10:30 EST	Plasma gelsolin and the immune system: lessons learnt from cancer to fight COVID-19 Dr. Ben Tsang uOttawa and OHRI, Canada	
21:00-21:30 IST 10:30-11:00 EST	Polycystic ovarian syndrome and Bisphenol A: What do we know? Dr. Padmalatha S Rai MSLS, MAHE, India	
21:30-22:00 IST 11:00-11:30 EST	Brainstorming session Research collaborations, joint research programs, exchange visits Dr. Shama Prasad K and Dr. Nirmal Mazumdar MSLS, MAHE, India	
22:00-22:30 IST 11:30-12:00 EST	Closing remarks	

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