



SRI LANKA COLLEGE OF MICROBIOLOGISTS



THE OHIO STATE UNIVERSITY

**International E-Conference on
Threat of new and re-emerging Infections: Role of
novel tools and technologies to face challenges**

**30th Annual Scientific Sessions of the
Sri Lanka College of Microbiologists
held in collaboration with The Ohio State University, USA**

24th – 26th August 2021



Registration

<https://slmicrobiology.lk/international-e-conference/>

All times are displayed in IST

Pre-Congress Workshop on 'Advances in Infectious Diseases'

24th August 2021

Morning session from 7.00am to 9.00am

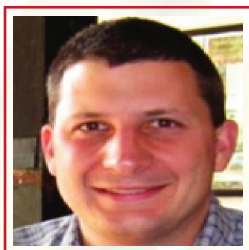


Advances in immunology

PROF. NICHOLAS T. FUNDERBURG

Associate Professor of Division of Medical Laboratory Sciences
The Ohio State University, United States of America

7.00am - 7.20am



Advances in molecular virology

PROF. JESSE KWIEK

Associate Professor, Vice Chair for Teaching & Undergraduate
Affairs, Department of Microbiology, The Ohio State University,
United States of America

7.20am - 7.40am

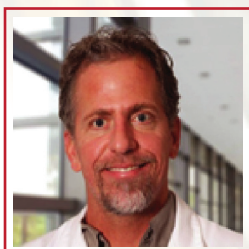


Advances in vaccinology

PROF. PURNIMA DUBEY

Associate Professor of Microbial Infection and Immunity,
The Ohio State University, College of Medicine,
United States of America

7.40am - 8.00am



Advances in therapeutics

DR. BRADFORD MCGWIRE

Infectious Disease, Physician, The Ohio State University,
Wexner Medical Center, United States of America

8.00am - 8.20am

Discussants



On Vaccines

DR. KANTHI NANAYAKKARA

Consultant Virologist and Vaccinologist, Head / Department of Rabies & Vaccine QC, National Control Laboratory, Medical Research Institute, Colombo, Sri Lanka



On Immunology

DR. RAJIVA DE SILVA

Consultant Immunologist, Medical Research Institute, Colombo, Sri Lanka



On Molecular Virology

DR. ROHITHA MUTHUGALA

Consultant Medical Virologist, Teaching Hospital Kandy, Sri Lanka



On Therapeutics

DR. ANANDA WIJEWICKRAMA

Consultant Physician, National Institute of Infectious Diseases, Angoda, Sri Lanka

Evening session from 4.00pm to 6.00pm



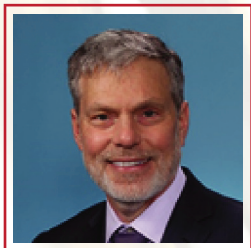
Scientific writing

Plagiarism: why and how it should be avoided?

PROF. BARBARA GASTEL

Joint Professor of Integrative Biosciences, Humanities in Medicine and Biotechnology, Texas A & M University College of Medicine, USA

4.00pm - 4.30pm



“Composing a masterpiece: making your data sing”

PROF. EUGENE OLTZ

Chair, Department of Microbial Infection and Immunity, Samuel Saslaw, Professor of Infectious Diseases, Microbial Infection and Immunity, United States of America

4.30pm - 5.00pm

Inauguration

6.00pm

- Scientific Programme -

Day 1 – 25.08.2021

Morning session from 7.00am to 1.30pm

Guest Lecture 1



Pathogenesis and biofilm formation of recently circulating strains of bordetella pertussis

7.00am - 7.20am

PROF. RAJENDRA DEORA

Associate Professor, Department of Microbial Infection and Immunity, Department of Microbiology, The Ohio State University, United States of America

Guest Lecture 2



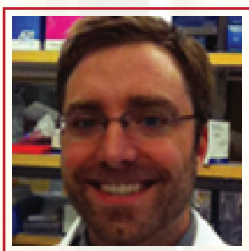
Pulmonary infections and the pathogenesis of cardiac dysfunction

7.20am - 7.40am

PROF. MURUGESAN RAJA RAM

Associate Professor, Department of Microbial Infection and Immunity, The Ohio State University, United States of America

Guest Lecture 3



Altered macrophage phenotype and lipidome abnormalities may contribute to cardiovascular disease risk in aging people with HIV

7.40am - 8.00am

PROF. NICHOLAS T. FUNDERBURG

Associate Professor of Division of Medical Laboratory Science The Ohio State University, USA

Guest Lecture 4



Determinants of SHIV replication in macaque lymphocytes

8.00am - 8.20am

PROF. AMIT SHARMA

Assistant Professor, Department of Veterinary Biosciences, Department of Microbial Infection & Immunity, The Ohio State University, United States of America

Guest Lecture 5



Infection prevention and control measures for drug-resistant tuberculosis in healthcare settings

DR. RAJESH DESHMUKH

Public Health Specialist-TB, Division of HIV and Tuberculosis, Centers for Disease Control and Prevention
CDC/DGHT, India

8.20am - 8.40am

Free Paper Session 1

9.00am - 10.00am

Free Paper Session 2

10.00am - 11.00am

Plenary 1



Pandemic threats from emerging Coronaviruses

PROF. MALIK PEIRIS

Chair Professor in Virology the School of Public Health,
University of Hong Kong, Hong Kong

11.00am - 11.30am

Evening session from 4.00pm to 07.30pm

Symposium 1 – Covid-19: risks and mitigation of future pandemics (11.30am - 12.30pm)



Virological aspects of COVID-19

DR. ROHITHA MUTHUGALA

Consultant Medical Virologist, Teaching Hospital
Kandy, Sri Lanka



COVID-19 vaccines and immune response

PROF. NEELIKA MALAVIGE

Professor and Head, Department of Immunology and Molecular Medicine, Faculty of Medical Sciences,
University of Sri Jayawardenepura, Sri Lanka



Management of COVID-19

DR. ANANDA WIJEWICKRAMA

Consultant Physician, National Institute of Infectious Diseases, Angoda, Sri Lanka

Plenary 2



The forgotten organ of the body - "THE MICROBIOME"

DR. ROHINI WADANAMBY

Consultant Clinical Microbiologist, Lanka Hospital
PLC, Colombo, Sri Lanka

12.30pm – 1.00pm

Plenary 3



Ethics and professionalism

PROF. PANDUKA KARUNANAYAKE

Specialist Physician, Professor, Department of
Clinical Medicine, Faculty of Medicine, University
of Colombo, Sri Lanka

1.00pm - 1.30pm

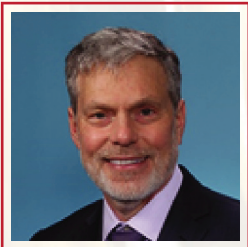
Symposium 2 –Advances in pathogenesis, diagnosis and treatment of infectious diseases (4.00pm - 5.00pm)



Diagnosing fungal Infections: selecting the right tools

PROF. NELUN PERERA

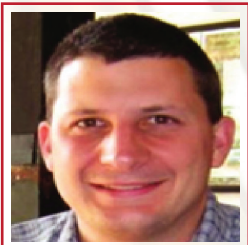
Consultant Microbiologist & Virologist, University Hospitals
of Leicester & Hon. Associate Professor, University of Leicester,
United Kingdom



Wiring schemes for innate and adaptive lymphoid cells

PROF. EUGENE OLTZ

Chair, Department of Microbial Infection and Immunity,
Samuel Saslaw Professor of Infectious Diseases, USA



De novo fatty acid biosynthesis and HIV replication

PROF. JESSE KWIEK

Associate Professor, Vice Chair for Teaching & Undergraduate Affairs
Department of Microbiology, The Ohio State University, USA

Plenary 4



No respite in the war: resistance to the newest antibiotics

PROF. DAVID LIVERMORE

Professor of Medical Microbiology, Norwich Medical School,
University of East Anglia, Norwich, United Kingdom

5.00pm - 5.30pm

Symposium 3 - AMR and One Health (5.30pm – 6.30pm)



Animal Health: at the center of one health approach for combating antimicrobial resistance

PROF. RUWANI KALUPAHANA

Professor in Veterinary Public Health, Department of Veterinary Public Health and Pharmacology, Faculty of Veterinary Medicine and Animal Science,
University of Peradeniya, Sri Lanka



Environmental health

DR. PRIYANI AMERASINGHE

Emeritus Scientist (Human and Environmental Health)
International Water Management Institute,
Colombo, Sri Lanka



Antimicrobial resistance from a food safety perspective

DR. SUJATHA PATHIRAGE

Consultant Microbiologist, Additional approved analyst
(food microbiology), Head, Department of Food Microbiology,
Medical Research Institute, Colombo, Sri Lanka

Plenary 5



Role of travel and the spread of respiratory infections

PROF. DAVID R. HILL

Professor of Medical Sciences, Quinnipiac University,
Director, Institute for Global Public Health,
Frank H. Netter MD, School of Medicine at Quinnipiac University,
United States of America

6.30pm - 7.00pm

Guest Lecture 6



Adjuvants and immunization strategies to enhance mucosal immunity

PROF. PURNIMA DUBEY

Associate Professor of Microbial Infection and Immunity,
The Ohio State University, College of Medicine,
United States of America

7.00pm - 7.30pm

- SCIENTIFIC PROGRAMME -

Day 2 – 26.08.2021

Morning session from 7.00am to 12.45pm

Plenary 6



Defining pandemic preparedness – partnerships between universities and government agencies; lessons learned from COVID-19

PROF. MICHAEL OGLESBEE

Professor of Virology and Comparative Pathology,
Director of the Ohio State University Infectious Disease
Institute, USA

7.00am - 7.30am

Guest Lecture 7



Global one health paradigm for interconnected planet- beyond pandemics

DR. DR. GETNET YIMER

OHIO STATE GOHI REGIONAL DIRECTOR FOR EASTERN AFRICA

7.30am - 8.00am

Guest Lecture 8



Infection prevention and control implications in designing of health care facilities

MR. JANAKA WICKRAMARACHCHI

Consultant, Biomedical Engineering, Sri Lanka

8.00am - 8.30am

Free paper session – 3

9.00am -10.00am

Symposium 4 – Path to future healthcare (10.00am – 11.15am)



ISO 15189: Medical laboratory accreditation

MS. CHANDITHA EDIRIWEERA

Deputy Director (Accreditation), Sri Lanka Accreditation Board for
Conformity Assessment, Ministry of Trade, Sri Lanka



Issues related to implementation of technical requirements for microbiology in medical laboratory accreditation in Sri Lanka

DR. KUSHLANI JAYATILLEKE

Consultant Microbiologist, Sri Jayewardenapura General Hospital,
Nugegoda, Sri Lanka



From PCR to next generation sequencing: How to establish a diagnostic lab

PROF. ANDREAS NITSCHKE

Professor in Virology and Head of the division of Highly
Pathogenic Viruses, Head of German Consultant Laboratory
Poxviruses, Robert Koch Institute Berlin, Germany

Guest Lecture 09



Climate change and health

MS. ELENA VILLALOBOS PRATS

Technical Officer, Lead for Capacity Building and Country
Support on Climate Change and Health, Climate Change
and Health Unit, Department of Environment, Climate
Change and Health, World Health Organization
Headquarters, Geneva.

11.15am - 11.45am

Poster and Case presentations

11.45am - 12.45pm

Evening session from 4.00pm to 7.30pm

Plenary 7



The COVID-19 response and AMR

DR. ADAM ROBERTS

Reader, Antimicrobial Chemotherapy and Resistance,
School Lead for AMR and DR Policy advisor for RSTMH,
Liverpool School of Tropical Medicine, UK

4.00pm - 4.30pm

Symposium 5 – Role of insects in the world of microbiology (4.30am – 5.30pm)



Transgenic technology to combat dengue mosquito vector *Aedes aegypti*

PROF. RANIL DASSANAYAKE

Senior Professor in Biochemistry and Molecular Biology,
Department of Chemistry, University of Colombo, Sri Lanka



Changing trends in bionomics of phlebotomine sandflies: vectors of leishmaniasis

DR. SANATH SENANAYAKE

Senior Lecturer, Department of Parasitology,
Faculty of Medicine, University of Colombo, Sri Lanka



Vectors and the filarial worms: Present and future

PROF. T. CHANNA YAHATHUGODA

Professor in Parasitology, Department of Parasitology,
Faculty of Medicine, University of Ruhuna, Galle, Sri Lanka

Plenary 8



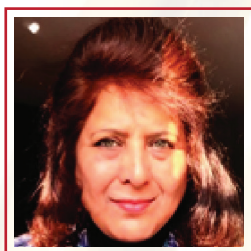
Post-acute COVID-19 syndrome

PROF. NAMAL LIYANAGE

Assistant Professor, Department of Microbial Infection and Immunity, College of Medicine, The Ohio State University, United States of America

5.30pm - 6.00pm

Guest Lecture 10



Clinical approach to manage infections before and after liver Transplantation

DR. ANITA VERMA

Consultant Medical Microbiologist, King's College Hospital, London, United Kingdom

6.00pm – 6.30pm

Plenary 9



Host targeted therapies for treating infections

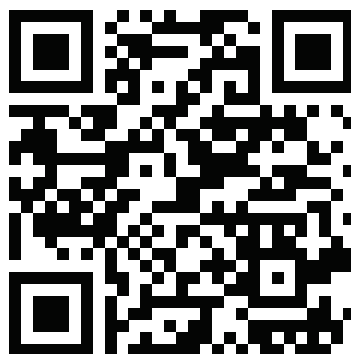
PROF. ABHAY SATOSKAR

Professor and Vice Chair, Departments of Pathology and Microbiology The Ohio State University, United States of America

6.30pm – 7.00pm

Award ceremony and close of conference

7.00pm - 7.30pm



Registration

<https://slmicrobiology.lk/international-e-conference/>

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