

Two day International E-Seminar

Chemistry, Biology and COVID-19

June 25 – 26, 2020



Patron
Prof. Alok Kumar Rai
Vice Chancellor
University of Lucknow
Lucknow, India



Convener
Prof. Naveen K Khare
Head,
Department of Chemistry
University of Lucknow
Lucknow, India



Organising Secretary
Dr. Desh Deepak
Department of Chemistry
University of Lucknow
Lucknow, India



Technical Director
Prof. Anil Mishra
Department of Chemistry
University of Lucknow
Lucknow, India



Technical Secretary
Dr. Joy Sarkar
Department of Chemistry
University of Lucknow
Lucknow, India

About the e-Seminar:

Department of Chemistry, University of Lucknow, announces to host the International e-seminar, which will be held on June 25-26, 2020. This e-seminar will encompass recent developments in all areas of Chemistry and biology related to Covid-19.

This e-seminar will feature presentations on the role that we as chemists play in fighting this pandemic, strategies for drug and vaccine development and the role of open science in this. Glycosylation can act as camouflage because the sugars on viral proteins come from the animal or person that has been infected. Viruses commandeer the enzymatic machinery that host cells use to add sugars to their own proteins and get those enzymes to attach glycans to viral proteins "Viruses use glycosylation to hide their viral proteins". So discussion on these proteins and glycosylation is quite important in terms of understanding what the immune system sees during infection.

This e-seminar will bring together both established and emerging researchers, scientists, technologist and industrialist to serve as a forum for deliberation and discussions on the progress in all major areas of chemistry and biology. So we hope your esteemed participation for successful organization of this International webinar event.

Who can Participate?

➤ Academicians, Research Scholars and Students of all disciplines of any University or College

Registration Details

➤ **Registration: Free**

➤ Interested participant may register using the following link or by scanning the barcode.

<https://forms.gle/oBa0KiL6zE96gYsb6>

➤ **Link** for the webinar will be sent to the e mail of the registered participants.

➤ E certificates will be sent to all registered participants who have attend the seminar. It will be sent on their registered email ID.

➤ The e-seminar will also be available live on the Department of Chemistry YouTube Channel

<https://www.youtube.com/channel/UCVmdF8H-HSCILwFxWt4S1IA>

Scan Code for
Registration



Scan Code for Live
YouTube Streaming



Speakers on June 25, 2020



Prof. Vito Ferro

Deputy Director, Biotechnology Program
School of Chemistry and Molecular Biosciences
Australian Infectious Diseases Research Centre
The University of Queensland
Brisbane, Australia

Heparan sulfate mimetics as antiviral agents for COVID-19



Prof. Valentin Wittmann

Fachbereich Chemie
Universitaet Konstanz
Fach 709
78457 Konstanz, Germany

Precipitation-Free High-Affinity Multivalent Lectin Binding



Prof. Roland Pieters

Department of Chemical Biology & Drug Discovery
Utrecht Institute for Pharmaceutical Sciences
Utrecht University
The Netherlands

Protein–Carbohydrate Interactions and Disease



Prof. Paul Murphy

Department of Chemistry
National University of Ireland
Galway, Ireland

Synthesis of Iminosugars and Potential as Anti-viral Agents



Prof. Hiromune Ando

Institute for Glyco-core Research (iGCORE)
Center for Highly Advanced Integration of Nano and Life
Sciences (G-CHAIN) Gifu University
Japan

A fully stereoselective method for α -sialylation



Prof. Matthieu Sollogoub

Sorbonne Université
Institut Parisien de Chimie Moléculaire UMR CNRS
Paris, France

Selectively modified Cyclodextrin for bio inspired applications



Prof. Anil Mishra

Department of Chemistry
University of Lucknow
Lucknow, India

Chemistry of overcoming the Covid19 stress

Speakers on June 26, 2020



Prof. George A. O'Doherty

Department of Chemistry and Chemical Biology
Northeastern University
Boston, USA

De Novo Asymmetric Synthesis of Oligosaccharides for Medicinal Chemistry



Prof. Ashish K. Pathak

Adjunct Professor
University of Birmingham at Alabama
Drug Discovery, Southern Research
Birmingham, AL, USA

Antivirals: Medicinal Chemistry From Hit-to-Lead



Prof. Abhinav Sonkar

Surgical Oncology
King George Medical University
Lucknow, India

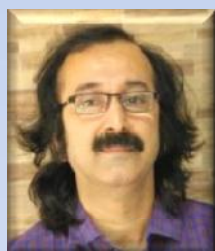
Corona Pandemic What we need to know and practice



Prof. VP Sharma

Sr. Principal Scientist
Head Quality Assurance
CSIR-Indian Institute of Toxicology Research
Lucknow

Chemistry and Covid 19 : Immunity Enhancement to Sustainability for Better Economy Amidst Challenges



Prof. Suvarn Kulakrni

Department of Chemistry
Indian Institute of Technology
Mumbai , India

Expeditious synthesis of bacterial glycans



Prof. David W. Gammon

Department of Chemistry,
University of Cape Town,
South Africa.

Reflections of a Chemist during a pandemic



Prof. Naveen K Khare

Head, Department of Chemistry
University of Lucknow
Lucknow – 226006, India

Preparing for higher education in COVID19

Program

June 25, 2020

Inauguration	11:00 AM
Prof. Vito Ferro	11:30 AM – 11:55 AM
Prof. Valentin Wittmann	12:00 Noon – 12:25 PM
Prof. Roland Pieters	12:30 PM – 12:55 PM
Prof. Paul Murphy	1:00 PM – 1:25 PM
Prof. Hiromune Ando	1:30 PM – 1:55 PM
Prof. Matthieu Sollogoub	2:00 PM – 2:25 PM
Prof. Anil Mishra	2:30 PM – 2:55 PM

June 26, 2020

Prof. George A. O'Doherty	9:00 AM – 9:25 AM
Prof. Ashish K. Pathak	9:30 AM – 9:55 AM
Prof. Abhinav Sonkar	10:00 AM – 10:25 AM
Prof. VP Sharma	10:30 AM – 10:55 AM
Prof. Suvarn Kulakrni	11:00 AM – 11:25 AM
Prof. David W. Gammon	11:30 AM – 11:55 AM
Prof. Naveen Khare	12:00 Noon – 12:25 PM
Valedictory	12:30 PM

Organizing Committee

Prof. Arun Sethi
Prof. V. K. Sharma
Prof. Abha Bishnoi
Prof R.N. Singh
Prof. Padam Kant
Prof. Radhey Mohan Naik
Prof. V. S. Yadav
Dr. Amrita Srivastava
Dr. Sangeeta Srivastava
Dr. Indu Saxena
Dr. Ashok Kumar Singh
Dr. Narendra Kumar Singh
Dr. Abhinav Kumar



Contact

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