

International Webinar on COVID-19 pandemic

hosted by Institute of Bioinformatics (IOB)

23rd-25th June 2020

Register: <https://tinyurl.com/COVID19IOB>

Patron: Prof. Dr. Akhilesh Pandey,
Founder and Director, IOB

List of talks/speakers

Day-1 3-7 pm 23/06/2020

Join Google meet - Day1: <https://tinyurl.com/COVID19IOBday1>

D1.1 Building Ecosystem For Fostering Cutting-Edge Life science /Healthcare innovation

Dr. Taslimarif Saiyed, Director and CEO, Centre for Cellular and Molecular Platforms, GKVK Post, Bellary Road Bangalore, India

D1.2 Phylogenetic network analysis of SARS-CoV-2 genomes

Prof. Dr. Peter Forster, Fellow, McDonald Institute for Archaeological Research, University of Cambridge, UK Director of Research, Institute for Forensic Genetics, Muenster, Germany

D1.3 Repurposing drugs against main protease of SARS-CoV2

Prof. Dr. N. Srinivasan, Professor & Chair, Molecular Biophysics Unit, Indian Institute of Science, Bangalore, India

D1.4 Evolution of SARS-CoV-2: demystified using data

Dr. Urmila Kulkarni-Kale, Information Scientist, Bioinformatics Centre, Savitribai Phule Pune University, Pune, India

D1.5 Systems Understanding of COVID-19: Lessons From Temperature Independence to Receptor Dependence

Dr. Prashanth N Suravajhala, Senior Scientist, Systems Biology, Department of Biotechnology and Bioinformatics Birla Institute of Scientific Research Jaipur, India

Day-2 3-7 pm 24/06/2020

Join Google meet – Day2: <https://tinyurl.com/COVID19IOBday2>

D2.1 Title awaited

Dr. Mrutyunjay Suar, Director, School of Biotechnology, KIIT UNIVERSITY, Patia, Bhubaneswar

D2.2 The UCSC SARS-CoV-2 genome browser

Dr. Maximilian Haeußler, Genomics Institute, University of California Santa Cruz, CA, USA

D2.3 Computational screening within databases of FDA-approved drugs and naturally available small molecules for SARs-Cov-2 NSP1 inhibitors

Prof. Dr. Prof. R. Sowdhamini, National Centre for Biological Sciences, Tata Institute of Fundamental Research, Bangalore, India

D2.4 Structural and computational biology approaches for drug repurposing and new drug discovery against COVID-19

Dr. Neel Sarovar Bhavesh, Group Leader, Transcription Regulation group, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India

D2.5 Host response to novel coronavirus infection

Dr. Ravi Tandon, School of Biotechnology, Jawaharlal Nehru University, New Delhi, India

Day-3 25/06/2020

Join Google meet - Day3: <https://tinyurl.com/COVID19IOBday3>

D3.1 Genomics of SARS CoV-2; applications of NGS sequence data in Vaccine development

Dr. Raja Mugasimangalam, Founder and CEO, Genotypic Technology, Bangalore, India

D3.2 Diversity and Evolution of Coronaviruses: Whole Genome and Pan-genome Perspective

Dr. Gaurav Sharma, Faculty Scientist, Institute of Bioinformatics and Applied Biotechnology, Biotech Park, Electronics City Phase 1, Electronic City, Bangalore, India

D3.3 Synthetic RGD Peptide based Treatment Therapy for COVID-19

Dr. Tikam Chand Dakal, Department of Biotechnology, M L Sukhadia University, Udaipur, India

D3.4 Understanding nucleocapsid protein of SARS-CoV-2

Abhishek Kumar, Faculty Research Scientist & Ramalingaswami Fellow, Institute of Bioinformatics, Whitefield, Bangalore, India

D3.5 Nanopore sequencing - enabling rapid detection and rapid response during pandemics

Dr. Miten Jain, Genomics Institute, University of California Santa Cruz, Santa Cruz, CA, USA

Organizing team: Dr. Abhishek Kumar, Dr. Muniasamy Neerathilingam
Dr. Prashant Kumar, Dr. Seetaramanjaneyulu Gundimeda, & Dr. Jyoti Sharma