

# International Webinar on COVID-19 pandemic

## hosted by Institute of Bioinformatics (IOB)

23<sup>rd</sup>-25<sup>th</sup> 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, Bangalore

**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

**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

Day-2 3-7 pm 24/06/2020 | **Join Google meet – Day2:** <https://tinyurl.com/COVID19IOBday2>

**D2.1 Researchers and Startups building Solutions for COVID-19**

Prof. Dr. Mrutyunjay Suar, Director, School of Biotechnology, KIIT UNIVERSITY, 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

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

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

**D2.5 Host response to novel coronavirus infection**

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

Day-3 3-7 pm 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

**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**

Prof. Dr. Abhishek Kumar, Faculty Research Scientist & Ramalingaswami Fellow, Institute of Bioinformatics, Whitefield, Bangalore

**D3.5 Machine Learning Analysis of National Vaccination Schedules And Rates of Compliance reveals correlation with COVID-19 Mortality**

Malik Yousef, Department of Community Information Systems, Zefat Academic College, Zefat, Israel

**D3.6 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

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Details at Github: <https://tinyurl.com/COVID19IOBgithub>