



International Webinar on **IMPACT OF THE DIGITAL REVOLUTION ON PHARMA AND HEALTHCARE (DIGIPH-2K21)**

29th January – 2nd February 2021

Organised by

Department of Information Technology & Centre for Healthcare Science and Technology

Indian Institute of Engineering Science and Technology, Shibpur, West Bengal, India

Programme Schedule

Day 1: 29 th January 2021, Friday		
Session I: 10 a.m. – 11.30 a.m. (IST) Inaugural session		
<i>Speakers</i>		
About the Webinar		
Prof. Sudip Kumar Roy, Dean Academic, IESTS		
Prof. Arindam Biswas, Dean International Relations & Alumni Affairs, IESTS		
Prof. Kalyan Kumar Bhar, Coordinator, TEQIP, IESTS		
Prof. Sudip Chattopadhyay, Coordinator, CEP Cell, IESTS		
Prof. Sukanta Das, Head, IT, IESTS		
Prof. Susanta Chakraborty, Head, CHST, IESTS		
Vote of Thanks and Closure		
Technical Session I		
Keynote Lecture: 11.30 a.m. - 1 p.m.(IST)		
Break - 1 p.m.- 3 p.m.		
Technical Session II		
Time Slot (IST)	Topic	Speaker
3 p.m. - 4 p.m.	More medicines: Less healthiness	Satadal Saha, <i>Professor, SMST, IIT Kharagpur</i> <i>Hon. Professor, Centre for Nanotech. IIT Guwahati</i> <i>VP, GVP Foundation for Innovations in Health</i>
4 p.m. - 5 p.m.	Computer-assisted Design and Discovery of Selective Topoisomerase I Inhibitor: A Clinically Validated Target	Arindam Talukdar <i>Principal Scientist, IICB, Kolkata, India</i>
5 p.m. onwards	Young investigators Forum	
Day 2: 30 th January 2021, Saturday		
Technical Session III		
Time Slot (IST)	Topic	Speaker
10 a.m. - 11 a.m.	Rx Digitalise: Impact of the Digital and AI Revolution on Pharma and Healthcare	Dr Mahesh Bhargat, <i>Chief Operating Officer, Syngene Intl. Ltd, India</i>
11 a.m. - 12 a.m.	The impact of digital marketing in healthcare and clinical research	Aditi Bhatiya, <i>Business Operations Consultant,</i> <i>Ohio State University, USA</i>
12 a.m. - 1 p.m.	Role of protein design to accelerate drug discovery	Dr Pralay Mitra, <i>Associate Professor, CSE, IIT, Kharagpur</i>

Break - 1 p.m.- 3 p.m.**Technical Session IV**

Time Slot (IST)	Topic	Speaker
3 p.m. - 4 p.m.	e-Governance in Indian Drug Regulatory System	Dr A Ramkishan, <i>Dy Drug Controller (India)</i> <i>DGHS, Ministry of Health and Family Welfare</i>
4 p.m. - 5 p.m.	Opportunities for IoT in Healthcare	Dr Saket Srivastava, <i>Sr Lecturer and Program Leader, EE,</i> <i>Lincoln University, UK</i>
5 p.m. - 6 p.m.	TBD	Dr. Ishwar Singh <i>Reader at Departments of Molecular and Clinical Pharmacology and Chemistry, University of Liverpool, UK</i>
6 p.m. - 7 p.m.	Toxicology in the Digital Age: Computational Approaches to Risk Assessment and Database Management	Dr Joanne Trgovcich, , <i>Director of Health Sciences, ICF, NC, USA</i>

Day 3: 31st January 2021, Sunday**Technical Session V**

Time Slot (IST)	Topic	Speaker
10 a.m. - 11 a.m.	Information Technology an enabler in creating competitive advantage in Pharma R & D	Aparna Mazumdar, Head R & D (IT), Sun Pharmaceuticals India Ltd
11 a.m. - 12 a.m.	Big-Data, Artificial Intelligence and Robotic Process Automation mediated Digital Transformation of the Pharmaceutical Industry	Dr Prasun J Mishra, Innovation Executive, Precision Medicine, Big-Data, Robotics, AI, Drug Discovery and Development, California
12 a.m. - 1 p.m.	How Patent dispute Transformed Disruptive Science Innovation in Healthcare Management	Chandan Bhar, Cofounder Director & IP Advisor, GPC Life Sciences, Pune, India

Break - 1 p.m.- 3 p.m.**Technical Session VI**

Time Slot (IST)	Virtual Exhibition	
3 p.m. - 4 p.m.	How modern microscopy is changing the high throughput imaging and data analysis	Dr Prabal Chakraborty
4 p.m. - 5 p.m.	IoT based Laboratory monitoring system	Dr Sajithh Dass
5 p.m. - 6 p.m.	Next generation Biomedical instrumentation	Dr Ajay Modi

Day 4: 1st February 2021, Monday**Technical Session VII**

Time Slot (IST)	Topic	Speaker
10 a.m. - 11 a.m.	Just in Time AI for Transforming Healthcare Delivery in Disruptive Times	Dr. Debdoot Sheet, <i>Asst Prof, EE, IIT Kharagpur</i>
11 a.m. - 12 a.m.	Are we there yet? --	Dr Kumaresh Krishnamoorthy,

	Remote Monitoring in the Healthcare sector	<i>Fellow, Head & Neck Surgery (Roswell Park Cancer Institute, USA) Partner and CMO – AUM Medtech Mentor of Change – Atal Innovation Mission – Niti Aayog Consultant – Renewable Energy & Waste 2 Energy Solutions</i>
12 a.m. - 1 p.m.	Neuroimaging	Dr Subhadip Basu, <i>Professor, CSE, JU, India</i>
Break - 1 p.m.- 3 p.m.		
Technical Session VIII		
Time Slot (IST)	Topic	Speaker
3 p.m. - 4 p.m.	The important role of data science in clinical trial data management	Dr. Jennifer Bradford, <i>Director of Data Science, PHASTAR, UK</i>
4 p.m. - 5 p.m.	Life Sciences and Healthcare predictions 2025	Dr. Karen Taylor, <i>Director, Centre for Health Solutions, Deloitte LLC, Uk</i>
5 p.m. - 6 p.m.	Impact of digitalisation on healthcare and life sciences	Dr. Maria João Cruz, <i>Assistant Research Manager, Centre for Health Solutions, Deloitte LLC, Uk</i>
6 p.m. - 7 p.m.	Biocomputing in the age of digital revolution	Dr. Debnath Pal, <i>Professor, Department of Computational and Data Sciences, Indian Institute of Science, Bengaluru, India</i>
Day 5: 2nd February 2021, Tuesday		
Technical Session IX		
Time Slot (IST)	Topic	Speaker
10 a.m. - 11 a.m.	TBD	Amit Saxena <i>Head Genomics Lab, TCS Innovations, New Delhi</i>
11 a.m. - 12 a.m.	Technical Demonstration on “Droplet PCR”	Bhaswar Maity, <i>Biorad Laboratories (I) Ltd</i>
12 a.m. - 1 p.m.	Valedictory Program and Official Closing of the Event	