



**SUN PHARMA**  
SCIENCE FOUNDATION

## Sun Pharma Science Foundation's National Conference

**Topic : CRISPR and the Clinic: So Near and Yet So Far**

**Venue : NAMS Auditorium, National Academy of Medical Sciences, New Delhi**

**Date : Saturday, March 18, 2023**

**Conveners :** Prof. Virander S Chauhan, Chairman, Sun Pharma Science Foundation  
Prof. Subrata Sinha, JC Bose Fellow, AIIMS, ND

**Co-conveners:** Prof Kunzang Chosdol, AIIMS, New Delhi  
Dr. Sivaprakash Ramalingam, CSIR-IGIB, New Delhi.  
Dr Amit Nasa, Sun Pharma Science Foundation

### **PROGRAM**

09:00 AM-09:30 AM	REGISTRATION	
09:30 AM-10.00 AM	Inauguration and introduction to the program	
09:30 AM-09.45 AM	Welcome Address	Prof. Virander S. Chauhan Chairman, Sun Pharma Science Foundation
09:45 AM-10.00 AM	Introductory talk: Therapeutic intervention and clinical trials involving gene therapy and CRISPR	Prof. Subrata Sinha, AIIMS, Delhi
Scientific Session I : Regulation and promotion/CRISPR and the patients perspective		
MODERATORS	Prof Madhulika Kabra, AIIMS, Delhi Prof Subrata Sinha, AIIMS, Delhi	
10.00AM-10.10AM	Policies, Encouragement and Regulation	Dr. Alka Sharma, DBT
10.10AM-10.20AM	Policies, Encouragement and Regulation	Dr. Geeta Jotwani, ICMR
10.20AM-10.30AM	Regulatory innovations in USA that enable and facilitate the use of gene therapy	Dr Raj Puri, Iovance Biotherapeutics, USA
10.30AM-10.40AM	Issues with commercializing CRISPR based technologies and possible alternatives	Dr. Mahendra Rao, NKURE Therapeutics, Bengaluru
10.40AM-10.50AM	Technology, Intellectual Property and Accessibility	Dr. Alok Bhattacharya, Ashoka University, Sonapat

<b>10.50AM-11.30AM</b>	Panel discussion: Regulation and promotion/CRISPR and the patients perspective	Dr. Alok Bhattacharya; Dr.Mahendra Rao; Dr. Geeta Jotwani; Dr. Alka Sharma; Dr. Subrata Sinha
<b>11.30 AM-11:50 AM</b>	<b>TEA BREAK</b>	
<b>Scientific Session I <i>contd.</i>: Regulation and promotion/CRISPR and the patients perspective</b>		
<b>Chairpersons</b>	<b>Prof Madhulika Kabra, AIIMS, Delhi</b> <b>Prof Subrata Sinha, AIIMS, Delhi</b>	
<b>11.50 AM-12.10PM</b>	Genome-editing in embryonic stem cells	Dr. Manisha Inamdar, inStem, Bengaluru
<b>Scientific Session II – CRISPR and Diagnostics</b>		
<b>Chairpersons</b>	<b>Dr. Kalpana Luthra, AIIMS Delhi</b> <b>Dr Senthil Venugopal, South Asian University, Delhi</b>	
<b>12.10 AM- 12.30 PM</b>	Reading and writing the genome with precision	Dr. Debajyoti Chakraborty, CSIR-IGIB, Delhi
<b>12.30 PM -12.50 PM</b>	CRISPR mediated diagnostics- Industry perspective	Dr. V. Ravi, TATA Diagnostics, Bengaluru
<b>12.50 PM -01.10 PM</b>	Simultaneous detection of multiple respiratory viruses with high sensitivity using a combined CRISPR-Cas12/13	Dr. Tanveer Ahmad, Jamia Millia Islamia, Delhi
<b>Scientific Session III - CRISPR and Human Disease 1</b>		
<b>Chairpersons</b>	<b>Dr. Kalpana Luthra, AIIMS Delhi</b> <b>Dr. Senthil Kumar, South Asian University, Delhi</b>	
<b>01.10 PM-01.35 PM</b>	Genome editing strategies for beta-hemoglobinopathies	Dr. Annarita Micco, France
<b>01.35 PM-02.30 PM</b>	<b>LUNCH BREAK</b>	

<b>Contd: Scientific Session III - CRISPR and Human Disease 1</b>		
<b>Chairpersons</b>	<b>Dr. Kunzang Chosdol, AIIMS, Delhi Dr. Jayanth Palanisamy, AIIMS Delhi</b>	
<b>02.30 PM- 02.50 PM</b>	Genome-editing in CAR NK cells	Dr. Mahendra Rao, NKURE Therapeutics, Bengaluru
<b>02.50 PM- 03.10 PM</b>	CAR journey in India: Discovery to Clinic	Dr. Rahul Purwar, IIT Bomaby
<b>03.10 PM- 03.30 PM</b>	CRISPR mediated elucidation of cancer biology and druggable targets	Dr. S. S. Chauhan, AIIMS, Delhi
<b>03.30 PM- 03.50 PM</b>	<b>TEA BREAK</b>	
<b>Scientific Session IV - CRISPR and Human Disease 2</b>		
<b>Chairpersons</b>	<b>Dr. Sivaprakash Ramalingam, CSIR-IGIB, Delhi Dr. Amit Tripathy, DBT, India</b>	
<b>03.50 PM- 04.10 PM</b>	Therapeutic gene editing with an AAV based CRISPR/Cas9 and a bypass coagulation factor in a murine model of hemophilia	Dr. Jayandharan Rao, IIT Kanpur
<b>04.10 PM- 04.30 PM</b>	Genome-editing to treat hematological diseases	Dr. Mohan Kumar, CMC, Vellore
<b>04.30 PM-05.00 PM</b>	<b>Vote of Thanks and Conclusion of the Seminar</b>	