

# Program schedule

August 16, 2020			
Time			Session I: Emergence of Human $\beta$ -Coronaviruses with special emphasis on SARS- CoV2 Origins, Evolution & Modelling
EDT	MDT	IST	
10:30	8:30	20:00	Welcome and Inaugural Talk by Jayasri Das Sarma, PhD
10:40	8:40	20:10	IISER Kolkata Director's Message (Prof. Sourav Pal, Director, IISER Kolkata)
10:50	8:50	20:20	Introduction of IUSSTF Portfolio by Executive Director, Dr. Nandini Kannan.
11:00	9:00	20:30	Plenary Talk by Kathryn Holmes, PhD <i>Overview of the early history, biology, and structure of coronaviruses</i>
11:45	9:45	21:15	Ian W. Lipkin, MD <i>A vision for COVID-19 pandemic: How to deal with public health crisis.</i> <b>(videotaped)</b>
12:05	10:05	21:35	Partha Pratim Majumder, PhD <i>Going Viral: Evolution &amp; Spread of SARS-CoV-2</i>
12:45	10:45	22:15	S. Nagarathna, PhD <i>Dynamics of transmission of covid 19, prevention and control measures</i>
13:10	11:10	22:40	Short Break
13:25	11:25	22:55	Ritesh Tandon, PhD <i>COVID-19 serological testing and the development of SARS-CoV-2 neutralization assays</i>
13:50	11:50	23:20	Probir Ghosh <i>USA COVID-19 Experience: Lesson learned and best practices for future</i>
14:15	12:15	23:45	Student Talk 1 (3 minutes and 2 mins discussion)
14:20	12:20	23:50	Student Talk 2 (3 minutes and 2 mins discussion)

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Time			Session II: Clinical and molecular Virology of SARS-CoV-2
EDT	MDT	IST	
11:00	9:00	20:30	<b>Kenneth L. Tyler, MD</b> <i>COVID-19: A Global Threat to the nervous System</i>
11:40	9:40	21:10	<b>David Beckham, MD</b> <i>Clinical and Immunologic outcomes following treatment of COVID19 with Convalescent Plasma</i>
12:05	10:05	21:35	<b>David Koelle, MD</b> <i>Relationships between age, disease severity, gender and titer of SARS-CoV-2 serum neutralizing titers in COVID-19 survivors in Seattle volunteering for therapeutic plasma donation</i>
12:30	10:30	22:00	<b>Short Break</b>
12:45	10:45	22:15	<b>Dipyaman Ganguly, MBBS &amp; PhD</b> <i>Plasma Therapy Clinical trials in India</i>
13:10	11:10	22:40	<b>Maria Nagel, MD</b> <i>Neurological complications of COVID-19</i>
13:35	11:35	23:05	<b>Pankaj Seth, PhD</b> <i>SARS-CoV-2 more than a respiratory virus: Its potential role in neuropathogenesis</i>
14:00	12:00	23:30	<b>Student Talk 3 (3 minutes and 2 mins discussion)</b>
August 18, 2020			
Time			Session III: SARS-CoV-2 Pathogenesis and Host response/Antivirals
EDT	MDT	IST	
11:00	9:00	20:30	<b>Stanley Perlman, MD, PhD</b> <i>Lessons learned from SARS-CoV and MERS-CoV</i>
11:40	9:40	21:10	<b>Bala Chandran, PhD</b> <i>COVID-19 (SARS-CoV2): Innate immune responses and Immunopathogenesis</i>
12:05	10:05	21:35	<b>Michael Koval, PhD</b> <i>Properties of lung epithelial cells that influence SARS-CoV-2 infection and severity</i>

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12:30	10:30	22:00	<b>Ujjawal Neogi, PhD</b> <i>System biology studies to identify host immune response against SARS-CoV-2</i>
12:55	10:55	22:25	<b>Debnath Pal, PhD</b> <i>Role of fusion peptides of SARS-CoV-2 Spike protein in virus entry and infection</i>
13:20	11:20	22:50	<b>Short Break</b>
13:35	11:35	23:05	<b>Kamlendra Singh, PhD</b> <i>Viral targets for the development of anti-SARS-CoV-2 drugs.</i>
14:00	12:00	23:30	<b>Ravi Mahalingam, PhD</b> <i>Lessons learned from animal models of COVID-19</i>
14:25	12:25	23:55	<b>Student Talk 4 (3 minutes and 2 mins discussion)</b>
<b>August 19, 2020</b>			
<b>Time</b> EDT      MDT      IST			<b>Session IV: SARS-CoV-2 Pathogenesis: Insights form other <math>\beta</math>-Coronaviruses</b>
11:00	9:00	20:30	<b>Susan Weiss, PhD</b> <i>Coronavirus antagonism of double stranded RNA induced antiviral pathways</i>
11:40	9:40	21:10	<b>Thomas E. Lane, PhD</b> <i>Innate immune responses contribute to host defense, disease, and repair in response to murine coronavirus infection of the CNS</i>
12:05	10:05	21:35	<b>Cornelia Bergmann, PhD</b> <i>B cell responses during neurotropic CoV infection</i>
12:45	10:45	22:15	<b>Jayasri Das Sarma, PhD</b> <i>mCoV : A neurological perspective</i>
13:10	11:10	22:40	<b>Kenneth S. Shindler, MD, PhD</b> <i>Spike in optic nerve inflammation and immunity in an experimental model</i>
13:35	11:35	23:05	<b>Short Break</b>
13:50	11:50	23:20	<b>Student Talk 5 (3 minutes and 2 mins discussion)</b>
13:55	11:55	23:25	<b>Students Talk 6 (3 minutes and 2 mins discussion)</b>

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14:00	12:00	23:30	<b>Students talk 7 (3 minutes and 2 mins discussion)</b>
14:05	12:05	23:35	<b>Students Talk 8 (3 minutes and 2 mins discussion)</b>
14:10	12:10	23:40	<b>Meeting Summary Prospective for the next webinar Vote of Thanks</b>