

NOBEL LAUREATE S&T SEMINAR SERIES

11TH INDIA-JAPAN SCIENCE AND TECHNOLOGY SEMINAR

Inaugural Address



H.E. Mr. Sanjay Kumar Verma
Ambassador of India to Japan



H.E. Mr. Suzuki Satoshi
Ambassador of Japan to India

Presidential Address



Prof. Ajit Kumar V. K.
Director, SCTIMST

Guest of honor



Dr. Susmu Satomi
President, JSPS

Special Address



Dr. M. Ravichandran
Secretary, DST



Dr. Kishi Teruo
Director General, JST

Keynote Address



Prof. Tasuku Honjo
Nobel Laureate 2018



Prof. K. VijayaRaghavan
Principal Scientific Adviser to Government of India



06 December 2021

Inaugural Function/Invitation

Venue: AMC Auditorium, SCTIMST

All Students and Staff are invited by strictly following the COVID-19 Protocols

JST	IST	Topic	Speaker
13:30-13:33	10:00-10:03	Welcome	Dr. P. V. Mohanan Organizing Secretary, S&T Seminar, Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST), Trivandrum, India
13:33-13:38	10:03-10:08	IJAA Chairman's Address	Prof. D. Sakthi Kumar Chairman, Indian JSPS Alumni Association (IJAA) & Deputy Director, Bio Nano Electronics Research Center, Toyo University Saitama, Japan
13:38-13:43	10:08-10:13	Introductory Address	Dr. Sanjeev K Varshney Head, International Cooperation, Department of Science & Technology (DST), GOI, India
13:43-13:48	10:13-10:18	Presidential Address	Prof. Ajit Kumar V. K. Director, Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST), Trivandrum India
13:48-13:55	10:18-10:25	Inaugural Address	H.E. Mr. Sanjay Kumar Verma Ambassador of India to Japan, Embassy of India, Tokyo, GOI
13:55-14:02	10:25-10:32		H.E. Mr. Suzuki Satoshi Ambassador of Japan to India, Embassy of Japan, GOJ
14:02-14:07	10:32-10:37	Address by Guest of honor	Dr. Susmu Satomi President, The Japan Society for the Promotion of Science (JSPS), GOJ
14:07-14:12	10:37-10:42	Special Address	Dr. M. Ravichandran Secretary, Department of Science & Technology (DST), GOI
14:12-14:17	10:42-10:47		Dr. Kishi Teruo Director General, Japan Science and Technology Agency (JST) Sakura Program, GOJ
14:17-15:02	10:47-11:32	Keynote Address	Prof. Tasuku Honjo Nobel Laureate 2018 Deputy Director-General and Distinguished Professor, Institute for Advanced Study Kyoto University, Kyoto, Japan
15:02-15:47	11:32-12:17		Prof. K. VijayaRaghavan Principal Scientific Adviser to Government of India, GOI
15:47-15:52	12:17-12:22	Concluding Remarks	Dr. Harikrishna Varma Head, BMT Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology (SCTIMST), Trivandrum, India
15:52-15:57	12:22-12:27	Vote of Thanks	Dr. Usha Dixit Counsellor (S&T), Embassy of India, Tokyo GOI

Sponsored by



Supported by



Organized by



In Association with



NOBEL LAUREATE S&T SEMINAR SERIES

11TH INDIA-JAPAN SCIENCE AND TECHNOLOGY SEMINAR



Program Schedule

Venue: AMC auditorium, SCTIMST



All Students and Staff are invited by strictly following the COVID-19 Protocols

No	Time (IST/JST)	Name of Speaker	Title of presentation
Monday 6th December 2021			
Keynote Addresses			
1	10:47-11:32 (IST) 14:17-14:22 (JST)	Prof. Tasuku Honjo Nobel Laureate, Physiology or Medicine (2018)	
2	11:32-12:12 (IST) 14:22-15:07 (JST)	Prof. K. VijayRaghavan Principal Scientific Adviser to the Government of India	
Lunch Break (30 minutes)			
Plenary Lectures Chairs: Dr. Pravin D. Kunte (NIO, Goa) / Dr. Diganta Sarma (Dibrugarh University, Assam)			
1	12:45-13:15 (IST) 16:15-16:45 (JST)	Prof. Manoj Kumar Dhar Vice Chancellor University of Jammu	 Underpinning molecular etiology of rare genetic diseases in unexplored regions of Jammu and Kashmir, India
2	13:15-13:45 (IST) 16:45-17:15 (JST)	Prof. Akimasa Fujiwara Vice President Hiroshima University Japan	 Towards the World Top University in Peace and Sustainability Science from Hiroshima
3	13:45-14:15 (IST) 17:15-17:45 (JST)	Prof. V. Ramgopal Rao Director Indian Institute of Technology, Delhi	
4	14:15-14:45 (IST) 17:45-18:15 (JST)	Prof. K Fujikawa Professor Emeritus, University of Tokyo & Visiting Scientist, RIKEN, Japan	 Symmetry principle and symmetry breaking in physics
Tea Break (15 Minutes)			
Plenary Lectures Chairs: Dr. Ashis Bhattacharjee (Visva-Bharati University, West Bengal) / Dr. Sivaji Babaso Sadale (Shivaji University, Maharashtra)			
5	15:00-15:30 (IST) 18:30-19:00 (JST)	Dr. Madhu Dikshit JC-Bose Fellow, Former Director CSIR-Central Drug Research Institute, Lucknow, India	 Role of iNOS in metabolic perturbations
6	15:30-16:00 (IST) 19:00-19:30 (JST)	Prof. Amita Aggarwal Professor & Head, Sanjay Gandhi Postgraduate Institute of Medical Sciences, India	 Immune mechanisms in pathogenesis of juvenile idiopathic arthritis
7	16:00-16:30 (IST) 19:30- 20:00(JST)	Prof. Yamamoto Yohei Division of Materials Science University of Tsukuba, Japan	 Organic/Polymeric Microlasers by Molecular Self-Assembly
Students Presentations Chairs: Prof. Satyen Saha (BHU, Varanasi) / Dr. B. Subramonian (ISRO, Trivandrum)			
16:30-17:30 (IST) 20:00-21:00 (JST)	2 minutes each Each student can present 1 slide- Template uploaded at the website https://indiajapanstseminar.com		

Tuesday 7th December 2021

Plenary Lectures



Chairs: Prof. Bhabani Prasad Mandal (BHU, Varanasi) / Dr. Gurubasava Raj (Rani Channamma University, Karnataka)

8	10:00-10:30 (IST) 13:30-14:00 (JST)	Prof. Ram Lakhan Singh Vice Chancellor, Nilamber- Pitamber University Jharkhand	 Nutraceuticals: One more step towards good health
9	10:30-11:00 (IST) 14:00-14:30 (JST)	Prof. Siva Umopathy Director, Indian Institute of Science Education and Research Bhopal	 Laser spectroscopy: From physics to chemistry, biology and medicine
10	11:00-11:30 (IST) 14:30-15:00 (JST)	Shri. Rajamanikyam, IAS Managing Director Kerala State Industrial Develop- ment Corporation, Trivandrum	 'Medical Device: A new Sunrise sector for India'

Tea Break (15 Minutes)

Plenary Lectures

Chairs: Dr. N.R. Kamini (CLRI, Chennai) / Dr. Utpal Borah (Tezpur University, Assam)

11	11:45-12:15 (IST) 15:15-15:45 (JST)	Dr. Chandrabhas Narayana Director DBT-Rajiv Gandhi Center for Biotechnology, Trivandrum	
12	12:15-12:45 (IST) 15:45-16:15 (JST)	Dr. Ayako Oyane Group Leader, National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan	 Laser-assisted biomineralization for bio-functional surface engineering

Lunch Break (30 minutes)

Plenary Lectures

Chairs: Dr. Gautam Panda (CSIR-CDRI, Lucknow)/Dr. Maya Nandkumar (SCTIMST, Trivandrum)

14	13:15-13:45 (IST) 16:45-17:15 (JST)	Prof. Hironao Sajiki Vice President Gifu Pharmaceutical University Japan	 Development of Direct Deuterium Labeling Methods Including Application to Flow Synthesis
15	13:45-14:15 (IST) 17:15-17:45 (JST)	Prof. Seishi Ninomiya, University of Tokyo Japan	 Smart farming for small-scale farmers
16	14:15-14:45 (IST) 17:45-18:15 (JST)	Prof. Neelam S Sangwan Dean Central University of Haryana, India	 Traditional medicinal plants from crude drugs to molecular medicines-Emerging scopes and opportunities.
17	14:45-15:15 (IST) 18:15-18:45 (JST)	Dr. Umesh Shaligram Director R&D, Serum Institute of India, Pune, India	 Evolving Technologies in Vaccine Development-Case Study COVID-19 Vaccines

Students Presentations

Chairs: Dr. Darshak Trivedi (NIT, Suratkal) / Dr. Srinivasulu Tadisetty (Kakatiya University, Telangana)

15:15-16:15 (IST)
18:45-19:45 (JST)

2 minutes each

Each student can present 1 slide- Template uploaded at the website
<https://indiajapanstseminar.com>

16:15-16:45 (IST)
19:45-20:15 (JST)

Valedictory Function/Announcement of awards

Sponsored by



Supported by



Organized by



In Association with

