



GLOBAL IMMUNOLOGY SUMMIT-2025

Emerging Frontiers of
Immunobiology and Immunotherapy

13-15 FEBRUARY, 2025

M. K. BHAN AUDITORIUM, THSTI, FARIDABAD

Organized by:

Translational Health Science and Technology Institute,
Faridabad (Delhi NCR) INDIA

PROGRAM SCHEDULE

Day 1 | 13th February 2025, Thursday

TIME	Title	Speaker
08:30-09:15	Spot Registrations and Delegate's Kit distribution	
Venue: MK Bhan Auditorium THSTI		
09:15-09:30	Conference Inauguration Ceremony	
	Keynote Talk (30+5 mins)	Chairpersons: Dr N K Ganguly/ Dr Rakesh Bhatnagar
09:30-10:05	A Non-Immunologic Role for T cells in Neurodevelopment: No Guts, No Glory.	Dr. David A Hafler, Yale University, USA
Viral Immunology: Talks (20 min) MK Bhan Auditorium THSTI		
Chairpersons: Dr Sudhanshu Vratil / Dr Jayanta Bhattacharya (Plenary Talks -20 mins each)		
10:05-10:25	Universal influenza vaccines – Immunological and transcriptional signatures of long-lived immunity	Dr Rama Rao Amara, Emory, USA
10:25-10:45	Mapping the Molecular Blueprint of Antibody Responses to Pneumococcal Vaccination.	Dr Devinder Sehgal, NII-New Delhi
10:45-10:55	Discussion	
10:55-11:20	Tea Break	
	Keynote Talk (30+5 mins)	Chairpersons: Dr Shinjini Bhatnagar / Dr Arvind Sahu/ Dr Sunil Arora
11:20: 11:55	Role of Neuroimmune interactions in regulating type 2 inflammation.	Dr Vijay Kuchroo, Harvard USA
(Plenary Talks -20 mins each)		
11:55-12:15	Innovative Approaches in Cancer Prevention and Treatment: Shaping the Future of Oncology.	Dr Ashok Sharma, AIIMS New Delhi
12:15-12:35	The non-canonical RelB NF-kB pathway instructs immunoregulatory dendritic cell functions in the intestine.	Dr Soumen Basak, NII-New Delhi
12:35-12:55	Discussion	
13:00-14:30	Lunch Break and Poster Session	
Viral Immunology (Plenary Talks -20 mins each) Venue-MK Bhan Auditorium THSTI		
Chairpersons: Dr S N Das/ Dr Manjula Kalia		
14:30-14:50	Plasma cells in the pathogenesis of Hidradenitis suppurativa.	Dr Joshy Jacob, Emory USA
14:50-15:10	Novel approaches to tackle refractory Auto Immune diseases.	Dr Linda Hanssens, Miltenyi, Germany
15:10-15:30	Revolutionizing TB Vaccine Development: Addressing Endemic Region Barriers	Dr Javed N Agrewala, IIT-Ropar
15:30-15:50	Metabolic Reprogramming of Macrophages Towards Regenerative Phenotype.	Dr Eugene D. Ponomarev, Nazarbayev University
15:50-16:00	Discussion	
16:00-16:30	Tea Break	
Chairpersons: Dr DN Rao/ Dr Dil Afroze/ Dr Ramandeep Singh		
16:30-16:50	Neuroimmune communication in anti-tumor immunity.	Dr Girdhari Lal, NCCS-Pune
16:50:17:10	Metabolic Imprints of T-cell Immunity to Japanese encephalitis Vaccine.	Dr Nimesh Gupta, NII-New Delhi
17:10-17:30	Role of host non-coding RNA in antiviral innate Immunity during RNA virus infection.	Dr Himanshu Kumar, IISER-Bhopal
17:30-17:50	Role of an anion exchange channel in the regulation of human plasmacytoid dendritic cell activation	Dr Dipyaman Ganguly, Ashoka University
17:50-18:00	Discussion	
18:15	Close Day-1: Departure for Gala Dinner venue at Hill Top Green, Suraj Kund Faridabad	



Day 2 | 14th February 2025, Friday

TIME	Title	Speaker
Venue: MK Bhan Auditorium THSTI		
8:00-9:00	Breakfast	
	Keynote Talk (30+5 min) Chairpersons: Dr Nisheeth Agarwal / Dr Bhabatosh Das / Dr Dinesh Mahajan	
09:00-09:35	Systems Vaccinology.	Dr Bali Pulendran, Stanford University-USA
Plenary Talks (20 min)		
09:35-09:55	Advancing Transplant Immunobiology: Mechanisms of Tolerance in Nonhuman Primate Models	Dr Amar Singh, USA
09:55 -10:15	Inter-cellular cross talk of NK1.1+iNKT and dendritic cells in visceral leishmaniasis.	Dr Shubhankar Kumar Singh, RMRIMS, Patna
10:15-10:35	NCoR1 fine-tuned immune-metabolism controls Mycobacterium tuberculosis pathogenesis	Dr Sunil Raghav, ILS-Bhubaneswar
10:35-10:55	Changing the Gut Microbiome: Does it help in controlling inflammation or infection?	Dr Vineet Ahuja, AIIMS, New Delhi
10:55-11:15 Discussion		
11:15-11:30 Tea Break		
	Keynote Talk (30+5 min) Dr N K Mehra/ Dr Debasisa Mohanty	
11:30:12:05	Histone deacetylases and the control of T cell-mediated immunity	Dr Willfried Ellmeier, Vienna-Austria
12:05:12:40	Joining the dots: maternal HIV, CMV, the placenta and infant health outcomes	Dr Clive M Gray, Stellenbosch Univ, South Africa
Infection and Immunity: Plenary Talks Talk (20 min)		
12:40-13:00	Probing T cells with light: Stage-specific Raman spectra of exhausted T cell subsets reveal key biochemical clues about significant drivers of T cell exhaustion.	Dr Gayatri Mukherjee, IIT-Kharagpur
13:00-13:20	Microglial diversity: transient transcriptional-states versus bona fide subtypes.	Dr Hiya Ghosh, NCBS-Bangalore
13:20-13:30 Discussion		
13:30-14:30 Lunch Break and Poster session		
Viral immunology Plenary Talks Talk (20 min) MK Bhan Auditorium THSTI Chairpersons: Dr Rajiv Kumar / Dr Sadhna Sharma/Dr. Namita Jaggi		
14:30-14:50	Durable immunity to SARS-CoV-2	Dr Mehul Suthar, Emory Vaccine Centre-USA
14:50-15:10	Characterization of the antibody responses and coevolving viruses in HIV-1 infected children: informing vaccine design".	Dr Kalpana Luthra, AIIMS-New Delhi
15:10-15:30	Immunotherapeutic approaches: implications for prevention, treatment, and HIV cure	Dr Siddappa Byrareddy, University of Nebraska-USA
15:30-15:50	Defining an in-depth biomarker signature of conventional and unconventional T cells using single cell multi-omic approaches in healthy human donors.	Dr Robert Balderas, Biosciences, USA
15:50-16:10 Discussion		
16:10-16:30 Tea Break		
Clinical Immunology Plenary Talks (20 min) Chairpersons: Dr Nitya Wadhwa/ Dr Prafull Tailor/Dr Amit Pandey		
16:30-16:50	Early Signs of Type 1 Diabetes.	Dr Riitta Lahesmaa, Turku Finland
16:50-17:10	Memory T cells as surrogate microbes: Implications innate inflammation and autoimmunity	Dr Chandrashekhhar Pasare, Cincinnati-USA
17:10:17:30	Regulation of T helper cell differentiation by HOX family transcription factors.	Dr Ritabrata Goswami, IIT-KH
Keynote Talk (30+5 min) Chairpersons: Dr Pawan Sharma/ Dr Debasisa Mohanty		
17:40-18:15	mRNA metabolism in the regulation of immune responses	Dr Osamu Takeuchi, Kyoto Japan
Close Day-2/ Dinner		



Day 3 | 15th February 2025, Saturday

TIME	Title	Speaker
Venue: MK Bhan Auditorium THSTI		
8:00-9:00	Breakfast	
Plenary Talks (20 min)		
Chairpersons: Dr Krishnamohan Atmakuri / Dr Garima Khare/ Dr S B Anand		
09:00-09:20	IL-17A/IL-17RA interaction blockade promotes efferocytosis and synovial macrophage reprogramming in rheumatoid arthritis	Dr Mahaboob Khan Rasool, VIT-Tamil Nadu
09:20-09:40	Taming eminent disease through neglected parasitic infection: A Helminthic therapy approach.	Dr Amit Prasad, IIT-Mandi
09:40:10:00	Deciphering the lineage and functions of circulating CD4+ cytotoxic T cell memory in humans.	Dr Veena Patil, NII-New Delhi
10:00-10:10	Sebaceous Gland Carcinoma studies for the expression of PDL1, PD1, β -catenin signalling pathway and identification of therapeutic targets in Indian patients.	Dr. Sunil K. Srivastava, DU
10:10-10:25	Exploring the depths of disease immunology through spectral flow cytometry	Dr Abhishek Chowdhury, Premas Life Sciences
10:25-10:40	Update on the new technologies of Samitek.	Samitek Instruments, New Delhi
10:40-10:50	Discussion	
10:50-11:00	Tea Break	
Keynote Talk (30 Min)		
Chairpersons: Dr Prasenjit Guchhait /Dr Amit Awasthi		
11:00-11:30	Intra-tumor vaccination unleashes anti-tumor immunity of neoantigen vaccines.	Dr Peter D Katsikis, Erasmus Netherland
11:30-12:00	Harnessing T cell anticancer functions for cancer immunotherapy	Dr Lionel Apetoh, Indianapolis-USA
Students Oral Presentations (Talk 10 Min)		
Chairpersons: Dr Kaustuv Nayak/ Dr GK Joshi/ Dr Ashok Pandey		
12:00-12:10	Tumor microenvironment induced impairment of Nk cells and crosstalk with antigen presenting cells in cancer	Prayag J. Amin
12:10-12:20	Abatement of intestinal inflammation by short-chain fatty acids through regulation of macrophages.	Jayasree Saha
12:10-12:30	Immunological validation and protective efficacy of multi-epitope vaccine construct designed from mycobacterium tuberculosis dormancy associated proteins in mouse model.	Devanshu Kumar
12:40-12:50	Understanding the role of Topoisomerase 1 in innate immune system: From steady state to sepsis	Vanshika Sood
12:50:13:00	Comparative analysis of CD4+ and CD8+ T cell responses in acute dengue patients with varying severity.	Hesan Kuruppu
13:00-13:10	Soluble isoform of CTLA-4 regulates DC function via non-canonical NF- κ B signaling and induces cellular turnover of B7-1: implications for cancer immunotherapy.	Nidhi Pandey
13:00-13:20	Awards Distribution and Vote of thanks	
13:20	Lunch & Departure	

