

Event Schedule
IMMUNOCON 2019, 46th Annual Conference of Indian Immunology Society
DAE Convention Centre, Anushakti Nagar, Mumbai, India

Day 1: 14th Nov, Thursday, First Half

Time Slot		
8.00-9.00	Spot registrations and conference kit distribution to delegates	
Inauguration Function, Venue: Auditorium A		
9.00-9.30	Dr. Savita Kulkarni , Convener Organizing Committee, BARC	Welcome Note
	Dr. Shubhada Chiplunkar , Former Director, ACTREC, Chairperson Organizing Committee	Introduction to the conference
	Dr. Sekhar Basu , Former Chairman, AEC & Secretary, DAE	Opening Remarks
	Prof. Sunil K. Arora , President-IIS	Presidential Address
	Dr. Taruna Madan , Convener Organizing Committee, ICMR-NIRRH	Vote of Thanks
Keynote Lecture (KL): 30 min, Auditorium A		
Chairpersons:	Dr. Shubhada Chiplunkar , ACTREC, Mumbai; Dr. Jyoti Kode , ACTREC, Mumbai	
9.30-10.00	Prof. Gennaro De Libero , University of Basel, Switzerland	<i>CD1- and MR1-restricted T cells in anti-tumor immunity</i>
10.00-10.20	High Tea	
Plenary Lectures (PL): 25 min, Auditorium A		
Chairpersons:	Dr. K. B. Sainis , Former Group Director, BARC, Mumbai; Dr. Sharmila Banerjee , BARC, Mumbai	
10.20-10.45	Prof. K. Natarajan , ACBR, New Delhi	<i>Understanding Evasive Strategies of Mycobacterium tuberculosis</i>
10.45-11.10	Dr. Malini Laloraya , RGCB, Thiruvananthapuram	<i>Derailed Treg homeostasis in Polycystic Ovary Syndrome (PCOS) – a STAT5B affair</i>
Keynote Lecture (KL): 30 min, Auditorium A		
Chairpersons:	Dr. P. Usha Sarma , IARI, Delhi; Dr. Taruna Madan , ICMR-NIRRH, Mumbai	
11.10-11.40	Dr. Uday Kishore , Brunel University, UK	<i>Innate immune surveillance by surfactant protein D against allergy and cancer</i>
Plenary Lectures (PL): 25 min, Auditorium A		
Chairpersons:	Prof. D. N. Rao , Former HOD Biochemistry, AIIMS, New Delhi; Prof. K. Natarajan , ACBR, New Delhi	
11.40-12.05	Prof. Sunil K. Arora , PGIMER, Chandigarh	<i>Mechanisms underlying dysfunctional state of myeloid dendritic cells in advanced HIV disease</i>
12.05-12.30	Dr. Vishukumar Amanianda , Pasteur Institut, France	<i>Innate immune host defense against airborne fungal pathogens</i>
IIS-Senior Scientist Oration: 30 min, Auditorium A		
Chairperson:	Prof. Sunil K. Arora , President-IIS	
12.30-13.00	Senior Scientist Oration: Prof. Gaurishankar Sa , Bose Institute, Kolkata	<i>Cancer immunotherapy and beyond</i>
13.00-13.10	Company Presentation (Sysmex)	
13.10 -13.50	Lunch Break	

Day 1: 14th Nov, Thursday, Second half

Time Slot			
13.30-14.30	Poster Session, Venue: Poster Hall		
	Three Parallel sessions, Invited Lectures (IL): 20 min		
	Scientific Session – I (Auditorium A)	Scientific Session – II (Auditorium B)	Scientific Session – III (Conference Room)
Chairpersons:	Prof. Andrea Cooper , Leicester University, UK Prof. Rama Rao Amara , Emory Vaccine Center, USA	Prof. Gaurisankar Sa , Bose Institute, Kolkata Dr. Vishukumar Aimanianda , Pasteur Institut, France	Dr. Suprasanna , BARC, Mumbai Dr. Savita Kulkarni , BARC, Mumbai
14.30-14.50	Dr. Dhiraj Kumar , ICGEB, New Delhi <i>Host innate immune mechanisms against Mycobacterium tuberculosis infection</i>	Dr. Bhavani Shankar , BARC, Mumbai <i>Antigen presenting cells in tumour microenvironment- Friend or Foe?</i>	Dr. Shobhona Sharma , TIFR, Mumbai <i>Nano-lipid-carrier mediated anti-malarial drug delivery</i>
14.50-15.10	Prof. Javed N Agrewala , IIT, Ropar <i>Host directed therapy: a novel strategy to restrict the survival of Mycobacterium tuberculosis through induction of autophagy by Clec-4 signalling</i>	Dr. Chiara Agostinis , IMCH, Italy <i>The complement component C3 is expressed by the endometrial ectopic tissue and is involved in the endometriotic lesion formation</i>	Dr. Naveen Arora , CSIR-IGIB, New Delhi <i>Road map of allergy diagnosis and therapy</i>
15.10-15.30	Dr. Sangita Mukhopadhyay , CDFD, Hyderabad <i>ESAT-6 protein of Mycobacterium tuberculosis interacts with β2M and affects MHC Class I antigen presentation and intracellular iron concentration in macrophages</i>	Dr. Deepak Sharma , BARC, Mumbai <i>Redox regulation of T cell differentiation and functions</i>	Dr. Geeta Rai , BHU, Varanasi <i>Impaired Neutrophil extracellular trap formation in relevance to low birth weight newborns</i>
15.30-15.50	Dr. Varadharajan Sundaramurthy , NCBS, Bangalore <i>Quest for a fine balance: adaptive endo-lysosomal homeostasis as a defining feature of Mtb infected macrophages</i>	Prof. Shashi Baruah , Tezpur University, Tezpur <i>Diversity of Killer Immunoglobulin Receptor and HLA C Ligand in populations of Assam and association with disease</i>	Dr. Shubhankar Singh , ICMR-RMRIMS, Patna <i>Nucleoporins-93 (NUP-93): A novel nuclear envelope protein from Leishmania donovani prompts macrophage signalling for T-cell activation towards host protective immune response</i>
15.50-16.10	Tea Break		
	Plenary Lecture (PL): 25 min, Auditorium A		
Chairpersons:	Prof. Nibhriti Das , Former Professor, AIIMS, New Delhi; Dr. Roberta Bulla , University of Trieste, Italy		
16.10-16.35	Prof. G. P. Talwar , Talwar Research Foundation, New Delhi	<i>Two Unique Vaccines with Multiple Applications</i>	
	Keynote Lecture (KL): 30 min, Auditorium A		
Chairpersons:	Dr. Pawan Sharma , Former Scientist, ICGEB, New Delhi; Prof. Alpana Sharma , AIIMS, New Delhi		
16.35-17.05	Prof. Andrea Cooper , Leicester University, UK	<i>Tuberculosis - are we fighting a battle or negotiating a truce?</i>	
	Plenary Lectures (PL): 25 min, Auditorium A		
Chairpersons:	Prof. Gennaro De Libero , University of Basel, Switzerland; Prof. Santosh Kar , KIIT University, Odisha		
17.05-17.30	Dr Soumen Basak , NII, New Delhi	<i>A tonic Nfkb2 pathway exacerbates intestinal inflammation by modifying the homeostasis of latent RelA NF-κB dimers</i>	
17.30-17.55	Dr. Asha Pillai , University of Miami, USA	<i>Innate Immune Tolerance and Immunotherapy to Separate GVHD and Graft-versus-Tumor Effect after Allogeneic HSCT</i>	
17.55-18.20	Prof. Rama Rao Amara , Emory Vaccine Center, USA	<i>Preventive and therapeutic HIV vaccines</i>	
18.20-18.45	Dr. Madhavan Chalal , Wellcome Trust-DBT India Alliance, New Delhi	<i>Wellcome Trust-DBT Alliance Initiative and opportunities for promotion of research</i>	
18.50-19.00	Company Presentation (Pepperprint)		
19.00-19.10	Company Presentation (Perkin Elmer)	IIS-Executive Committee Meeting, Auditorium B	
19.30 onwards	Networking Dinner		

Day 2: 15th Nov, Friday, First Half

Time Slot		
	Keynote Lecture (KL): 30 min, Auditorium A	
Chairpersons:	Dr. Smita Mahale, ICMR-NIRRH, Mumbai; Uday Kishore, Brunel University, UK	
9.00-9.30	Dr. Roberta Bulla, University of Trieste, Italy	<i>The complement component C1q: canonical and noncanonical roles at feto-maternal interface</i>
	Plenary Lectures (PL): 25 min, Auditorium A	
Chairpersons:	Dr. Asha Pillai, UMHS, Miami, USA; Dr. Anjali Kulkarni, BARC, Mumbai	
9.30-9.55	Dr. Arvind Sahu, NCCS, Pune	Complement regulation: lessons from viruses
9.55-10.20	Dr. Jagadeesh Bayry, Inserm, Sorbonne University, France	<i>Circulating normal IgG as an immune response modifier: lessons learnt from Intravenous Immunoglobulin Therapy</i>
10.20-10.50	Tea Break	
	Plenary Lectures (PL): 25 min, Auditorium A	
Chairpersons:	Prof. Sarat Dalai, Nirma, University, Ahmedabad; Dr. V.P. Venugopalan, BARC, Mumbai	
10.50-11.15	Dr. Ashutosh K. Mangalam, University of Iowa, USA	<i>Gut microbiota as a window into the pathogenesis of autoimmune diseases</i>
11.15-11.40	Prof. Anil Mishra, Tulane University, USA	<i>Tacrolimus (Fk506) treatment improves blood, and tissue eosinophilia in IL-5 mediated Eosinophilic Gastrointestinal Disease (EGID)</i>
	IIS-G. P. TALWAR Mid-Career Scientist Oration, 20 min, Auditorium A	
Chairperson:	Prof. Shashi Baruah, Vice President (East)-IIS	
11.40-12.10	GPT Mid-Career Scientist Oration: Dr. Prafullakumar B. Tailor, NII, New Delhi	<i>Understanding the Mechanisms of Dendritic cell Diversity Development</i>
	Plenary Lectures (PL): 25 min, Auditorium A	
Chairpersons:	Dr. Mukesh Desai, B J Wadia Hospital for Children, Mumbai; Prof. Anil Mishra, Tulane University, USA	
12.10- 12.35	Dr. Dipankar Nandi, IISc, Bengaluru	<i>Studies on sepsis, an inflammatory disorder</i>
12.35-13.10	Dr. Madhuri R. Thakar, ICMR-NARI, Pune	<i>Innate immune response in HIV infection</i>
13.10- 13.50	Lunch Break	

Day 2: 15th Nov, Friday, Second Half

Time Slot			
13.30-14.30	Poster Session, Venue: Poster Hall		
	Three Parallel sessions, Invited Lectures (IL): 20 min		
	Scientific Session- IV (Auditorium A)	Scientific Session- V (Auditorium B)	Scientific Session- VI (Conference Room)
Chairpersons:	Dr. K. B. Sainis, Former Group Director, BARC, Mumbai Dr. M. G. R. Rajan, Former HOD, RMC, BARC, Mumbai	Dr. Navin Khattry, ACTREC, Mumbai Dr. Ashutosh Mangalam, University of Iowa, USA	Dr. Madhuri Thakar, ICMR-NARI, Pune Dr. Jagadeesh Bayry, Inserm, Sorbonne University, France
14.30-14.50	Dr. Amit Awasthi, THSTI, Faridabad <i>Induction and functions of IL-9-producing helper T cells</i>	Dr. Mukesh Desai, B J Wadia Hospital for Children, Mumbai <i>Primary immunodeficiency: Lessons from experiments of Nature</i>	Dr. Kalpana Luthra, AIIMS, New Delhi <i>Coevolution of viral and antibody responses in a pair of HIV-1 infected monozygotic pediatric twins with elite neutralizing activity</i>
14.50-15.10	Dr. Dipyaman Ganguly, IICB, Kolkata <i>A pro-tumor feed-forward loop involving plasmacytoid dendritic cells and Interferon-α in the cancer immunity cycle</i>	Dr. Girdhari Lal, NCCS, Pune <i>Importance of gamma-delta ($\gamma\delta$) T cells in transplantation tolerance</i>	Dr. Kaustuv Nayak, ICGEB, New Delhi <i>Human Immunity to chikungunya infection</i>

15.10-15.30	Dr. Deepak Rathore , THSTI, Faridabad <i>Comparative assessment of immune cells subsets in Indian and USA neonatal cord blood</i>	Dr. Uma Kanga , AIIMS, New Delhi <i>Predictors of Transplant Outcome: Alloimmunity and significance of Donor Specific Antibodies</i>	Dr. Gaurav Sharma , PGIMER, Chandigarh <i>Differential vulnerability to HIV/AIDS: Immunogenetics and HLA expression</i>
15.30-15.50	Prof. Sarat Dalai , NIRMA University, Ahmedabad <i>Generation of Antigen Specific Memory CD4⁺ T Cells by Mimicking Natural Infection</i>	Prof. Alpna Sharma , AIIMS, New Delhi <i>Reconnoitring the Plasticity and functional diversity of $\gamma\delta$T-cells in Pemphigus vulgaris</i>	Dr. Vainav Patel , ICMR-NIRRH, Mumbai <i>Learning from a master- lessons in Immunology from HIV</i>
15.50-16.10	Dr. Rahul Purwar , IIT, Mumbai <i>Th9 axis reduces the oxidative stress and promotes the survival of malignant T-cells in cutaneous T-cell lymphoma patients</i>	Prof. Nibhriti Das , Former Professor, AIIMS, New Delhi <i>Complement regulatory proteins and their relation with the systemic auto immune disorders, SLE and RA</i>	Dr. Anuradha Tripathi , ICMR-NIV, Pune <i>Natural Killer cells: Key players of chikungunya disease pathogenesis?</i>
Chairpersons: President-IIS & Secretary-IIS			
16.10-16.40	Felicitations of four Senior IIS Members		Prof. A. N. Malaviya, Prof. Sudha G. Gangal, Prof. N. K. Ganguly, Prof. N. K. Mehra
16.40-17.10	Tea Break		
Keynote Lecture (KL): 30 min, Auditorium A			
Chairperson:	Prof. G. P. Talwar , Talwar Research Foundation, New Delhi		
17.10-17.40	Prof. N. K. Mehra , Former HOD, Transplants Immunology & Immunogenetics, AIIMS, New Delhi	<i>Regular antibody screening is the hallmark of success in solid organ transplantation</i>	
17.40-17.50	Company Presentation (Fluidigm)		
17.50-18.00	Company Presentation (Merck)		
18.10-19.10	General Body Meeting of IIS, Auditorium B		
19.20-20.20	Cultural Program		
20.30 onwards	Networking Dinner		

Day 3: 16th Nov, Saturday, First Half

Keynote Lecture (KL): 30 min, Auditorium A			
Chairperson: Prof. Joshy Jacob , Emory University, USA			
9.00-9.30	Dr. Manisha Madkaikar , ICMR-NIIH	<i>Role of Flow Cytometry in Immunodeficiency Disorders</i>	
Plenary Lectures (PL): 20 min, Auditorium A			
Chairpersons: Dr. Manisha Madkaikar , ICMR-NIIH; Prof. Sarat Dalai , Nirma University, Ahmadabad			
9.30-9.50	Prof. Santosh Kar , KIIT University, Odisha	<i>Palliative care of cancer patients using nano curcumin as a food supplement and Mouth wash</i>	
9.50-10.10	Dr. Sriniv Kaveri , CNRS, New Delhi	<i>Opportunities of Higher Education and Research in EU and France</i>	
Plenary Lectures (PL): 25 min, Auditorium A			
Chairpersons: Prof. Santosh Kar , KIIT University; Dr. Girdhari Lal , NCCS, Pune			
10.10-10.35	Prof. Joshy Jacob , Emory University, USA	<i>The origin of antibody mutants</i>	
10.35-11.00	Dr. Kumar Prabhash , TMH, Mumbai	<i>Immunotherapy and its impact on cancer treatment</i>	
11.00-11.20	Dr. Sandeep Basu , BARC, Mumbai	<i>Receptor Targeted Systemic Radionuclide Treatment in Cancer: current status in India</i>	
11.20-11.40	Tea Break		
G. P. Talwar Young Scientist Competition (GP), 10 min, Auditorium A			
Chairpersons: Dr. Amit Awasthi , Secretary-IIS, Kaustuv Nayak , Joint Secretary-IIS			
11.40-11.50	Ms. Papiya Chakraborty , IIT, Roorkee	<i>A C-Terminal Fragment of Adhesion Protein Fibulin-7 Inhibits Growth of Murine Breast Tumor by Regulating Tumor Mediated Macrophage Reprogramming</i>	
11.50-12.00	Ms. Shruti Srivastava , CDFD, Hyderabad	<i>Mycobacterium tuberculosis PPE2 protein interacts with p67phox and inhibits ROS production</i>	

12.00-12.10	Mr. Srikanth Battu , University of Hyderabad, Hyderabad	<i>Starving of Amino Acids for Controlling Intestinal Bowel Disease</i>	
12.10-12.20	Ms. Suyasha Roy , THSTI, Faridabad	<i>Deciphering the molecular pathway of Th9 cell differentiation</i>	
12.20-12.30	Dr. Umair Ahmed Nazir Ahmad Bargir , ICMR-NIIH, Mumbai	<i>From Bench to Bedside and back: A key to understand primary Immunodeficiency disorders</i>	
Three Parallel sessions Invited Lectures (IL): 20 min			
	Scientific Session- VII (Auditorium A)	Scientific Session -VIII (Auditorium B)	Scientific Session - IX (Conference Room)
Chairpersons:	Dr. Uma Kanga , AIIMS, New Delhi Dr. S. K. Ghosh , BARC, Mumbai	Dr. Srini Kaveri , CNRS, New Delhi Prof. Kalpana Luthra , AIIMS, New Delhi	Dr. Balakrishnan , MKU, Madurai Dr. Geeta Rai , BHU, Varanasi
12.30-12.50	Dr. Murali Ramchandra , Aurigene, Bengaluru <i>Oral immune checkpoint antagonists for cancer therapy</i>	Dr. Nivedita Chatterjee , Sankar Nethralaya, Chennai <i>Innate immunity at the retina: role of Muller glial cells</i>	Dr. Medha Rajappa , JIPMER, Pudduchery <i>Immunopathogenesis of chronic urticaria</i>
12.50-13.10	Dr. S.B. Anand , MKU, Madurai <i>Therapeutic potential of Withania somnifera in filarial induced secondary lymphedema</i>	Dr. Madhu Mohanty , ICMR-NIV, Mumbai <i>Vaccine Derived Polioviruses in Children with Primary Immunodeficiency and Risk to Polio Eradication</i>	Dr. Vikrant Bhor , ICMR-NIRRH, Mumbai <i>Exploring the Gut microbiome-Immune Axis in Pediatric Cytomegalovirus Infection</i>
13.10-13.30	Dr. Sanjeeva Bimal , ICMR-RMRIMS, Patna <i>Immunomodulation induced through ornithine decarboxylase DNA immunization in Balb/c mice infected with Leishmania donovani</i>	Dr. Vandana Pradhan , ICMR- NIIH, Mumbai <i>Interplay of adipokines in Autoimmune Blistering Diseases (AIBDs) and their association with clinical severity of the disease</i>	Dr. Dil Afroze , SKIMS, Srinagar <i>Helicobacter pylori – induced secretion of interleukin 6 (IL6)/ interleukin 10 (IL10) promotes hyperactivation of JAK/STAT pathway in gastric epithelium and cancer development</i>
Oral Presentations-Faculty (OPF): 15 min			
13.30-13.45	Dr. Reena Agarwal-Rajput , IARG, Gandhinagar <i>Chlamydia trachomatis manipulates macrophage phenotype and subsequent T cell functions to mediate persistence</i>	Dr. Pranita P. Sarangi , IIT, Roorkee <i>Beneficial effects of therapeutics targeting neutrophil trafficking in alleviating sepsis pathology</i>	Dr. Y. Krishnamohan Reddy , TNVASU, Chennai <i>Cell mediated immune responses in ruminants vaccinated with bluetongue multivalent inactivated vaccine</i>
13.45-14.00	Dr. Naresh Sachdeva , PGIMER, Chandigarh <i>Oral administration of butyrate regulates hyperglycemia in NOD mice by inducing colonic regulatory T cells and dendritic cells</i>	Dr. Pramod Kumar Gupta , BARC, Mumbai <i>Polymeric curcumin nanoparticles augment intracellular clearance of M. tuberculosis in macrophages by induction of phagosome lysosome fusion and autophagy</i>	Dr. Dimpu Gogoi , ICMR-NIIRH, Mumbai <i>Exposure to Plasmodium vivax triggers exhaustion of $\gamma\delta$ T cells</i>
14.00 – 14.40	Lunch Break		
Day 3: 16th Nov, Saturday, Second -Half			
14.40– 15.15	Oral Presentations Students (OPS): 8 min		
	Auditorium A	Auditorium B	Conference Room
Chairpersons:	Dr. Bhavani Shankar , BARC, Mumbai Dr. Deepak Rathore , THSTI, Faridabad	Dr. Madhu Mohanty , ICMR-NIV, Mumbai Dr. Vainav Patel , ICMR-NIRRH, Mumbai	Dr. Vandana Pradhan , ICMR-NIIH, Mumbai Dr. Gaurav Sharma , PGIMER, Chandigarh
1	Mr. Avishek Bhuniya , Chittaranjan National Cancer Institute Kolkata <i>Tumor educated activated platelets prevent cross-presentation in dendritic cells to promote metastasis</i>	Ms. Neelanjana Sarmah , Tezpur University, Tezpur <i>sHLA-G expressing HPV positive Head and Neck tumors mediate immunomodulation by downregulating IL-10, SOCS and PD1 expression</i>	Mr. Nitesh Mishra , AIIMS, New Delhi <i>Viral envelope glycoprotein diversification pathways in HIV-1 clade C infected monozygotic pediatric twins with elite neutralizing activity</i>

2	Mr. Devi Prasad Vijayashankar , CSIR-CCMB, Hyderabad <i>CD40 signalling facilitates alternate fate decisions at early divisions by delaying terminal differentiation of B cells</i>	Ms. Amrita Mishra , NCCS, Pune <i>Role of neurokinin 1 receptor on the gut inflammation and autoimmunity</i>	Mr. Heikrujam Thoihen Meitei , NCCS, Pune <i>Chemokine receptor CCR6 signaling interacts with T cell receptor signaling and modulate the inflammatory function of Th17 cells</i>
3	Ms. Soumya Chatterjee , University of Calcutta, Kolkata <i>TGF-β mediated tumor derived exosomal PD-L1 load regulates cytotoxic T cell dysfunction in breast cancer</i>	Ms. Deepinder Kaur , IISER, Mohali <i>OmpV, an outer membrane protein that helps Salmonella typhimurium in cell adhesion</i>	Ms. Namrita Halder , NCCS, Pune <i>Acetylcholine receptors control the CD4+ T cell response during gut inflammation and autoimmunity</i>
4	Ms. Snigdha Samarpita , VIT, Vellore <i>Cyanidin, a selective IL-17RA antagonist, broadens the therapeutic implication of IL-17A inhibition in rheumatoid arthritis</i>	Ms. Aayushi Singh , ACBR, New Delhi <i>Delineating the role of Bcl2 in regulating protective immune responses during Mycobacterial infection</i>	Ms. Kavitha Premkumar , BARC, Mumbai <i>TGF-βR inhibitor SB431542 rescues B regulatory cell mediated T cell suppression and reduces tumor burden in murine fibrosarcoma</i>
Award/ Prize Distribution Vote of Thanks, 45 min, Auditorium A			
15.15-16.00	Dr. S.V. Chiplunkar, Former Director, ACTREC	Valedictory Address	
	Prof. Sunil K. Arora, President-IIS	IIS upcoming programs	
	Dr. Savita Kulkarni and Dr. Taruna Madan	Vote of Thanks	
16.00-16.30	High Tea		