



**Indian Society for Histocompatibility and Immunogenetics**

**ISHI-TC 2024**

**Training Course on Transplant Immunology**

**1 - 2 December 2024**

**SET Facility, Convergence Block, AIIMS, New Delhi, India**



18.0 contact hours or 2.7 CECs

ACHI: 2024-85

CA: 0085

FL: 50-2203

**Organised by:**

**Dr. Uma Kanga**

Department of Transplant

Immunology and Immunogenetics

All India Institute of Medical Sciences

(AIIMS) New Delhi

**Organisers**

**Dr. Ajay Baranwal, AMC**

**Dr. Meenakshi Singh, ACTREC, Mumbai**

**Dr. Sanjeev Goswami, AIIMS, New Delhi**

**Dr. Yoginder Pal Singh, Agilus Gurugram**

**Dr. Prabin Kumar, AIIMS, New Delhi**



**Our Sponsors**



**werfen**

*Scientific Program*





Scientific Program submitted for ACHI Continuing Education credit  
ISHI Training Course on Transplant Immunology



इरोस्माचं खलु धर्मराधनम्

Day 1- 1<sup>st</sup> Dec, 2024 ( Sunday)

Time	Duration	Title	Speaker
08:15		REGISTRATION	
9:00-9:05	5 min	Welcome	Secretary- ISHI
9:05-9:15	10 min	Opening Remarks	President- ISHI
9:15 -10:00	45 min	<b>Lecture 1-</b> Histocompatibility and Immunogenetics - Historical perspective with Global and Indian scenario	<b>Narinder K Mehra</b> INSA, New Delhi
10:00-10:45	45 min	<b>Lecture 2-</b> HLA Molecules Uncovered: Structure, polymorphism, Diversity, Function and their Role in Alloimmune Response and Transplantation	<b>Raja Rajalingam</b> UCSF, USA
10:45-11:00	15 min	BREAK/TEA/COFFEE	
11:00- 11:45	45 min	<b>Lecture 3-</b> The evolution of HLA typing technologies and the impact on donor selection strategies	<b>Yoginder Pal Singh</b> Agilus, Gurugram
11:45-12:30	45 min	<b>Lecture 4-</b> Principles and systematic approach to characterizing clinically relevant HLA antibodies	<b>Raja Rajalingam</b> UCSF, USA
12:30-13:15	45 min	<b>Lecture 5-</b> Renal Transplantation- current practices and AIIMS experience	<b>Sandeep Mahajan</b> AIIMS, New Delhi
13:15-14:15	60 min	LUNCH	
14:15-15:45	90 min	Presentations by Participants-- (8 min each) x 10	
15:45-16:15	30 min	<b>User Group Meeting- Technical Session I</b>	<b>Shiva Scientific</b>
16:15-16:30	15min	BREAK/TEA/COFFEE	
16:30-17:15	45 min	<b>Lecture 6-</b> Cell-based cross matching methods- (CDC and flowcytometry) and risk assessment for clinical transplantation	<b>Ajay Baranwal</b> AMC
17:15-18:00	45 min	<b>Lecture 7 -</b> Virtual cross match: basics and practice in a large volume multi organ transplant program	<b>Raja Rajalingam</b> UCSF, USA
18:00-18:45	45 min	<b>Group Discussion-</b> Developing an ISHI Guideline Document on Efficient Clinical Histocompatibility Testing Pathways	<b>Panelists and Course Faculty</b>
19:30- 21:00		<b>COURSE DINNER- at Faculty Club Lawns, AIIMS</b>	



Scientific Program submitted for ACHI Continuing Education credit  
ISHI Training Course on Transplant Immunology



Day 2- 2<sup>nd</sup> Dec, 2024 ( Monday)

Time	Duration	Title	Title
09:00-09:45	45 min	<b>Lecture 7-</b> KIR genes- structure, evolution and diversity	<b>Raja Rajalingam</b> UCSF, USA
09:45-10:30	45 min	<b>Lecture 8-</b> NK Cell Immunogenetics: Role in transplantation and cancer immunotherapy	<b>Raja Rajalingam</b> UCSF, USA
<b>10:30-10:45</b>	<b>15min</b>	<b>BREAK/TEA/COFFEE</b>	
10:45-11:15	30 min	<b>Lecture 9-</b> Donor Selection strategies for matched and mismatched HSCT	<b>Meenakshi Singh</b> ACTREC, Mumbai
11:15-12:00	45 min	<b>Lecture 10-</b> Hematopoietic Stem Cell Transplantation: Global practices and AIIMS experience	<b>Ranjeet K Sahoo</b> AIIMS, New Delhi
12:00-12:30	30 min	<b>Lecture 11-</b> Chimerism testing for engraftment monitoring- technology advancements	<b>Uma Kanga</b> AIIMS, New Delhi
<b>12:30-13:30</b>	<b>60 min</b>	<b>LUNCH</b>	
13:30-15:00	90 min	Presentations by Participants- (8 min each) x 10	
<b>15:00-15:30</b>	<b>30 min</b>	<b>User Group Meeting - Technical Session II</b>	<b>Werfren</b>
<b>15:30-15:45</b>	<b>15 min</b>	<b>BREAK/TEA/COFFEE</b>	
15:45-16:45	60 min	<b>Lecture 12-</b> Components of monitoring and quality Systems to ensure high quality testing in Transplant Immunology laboratories ( HLA genotyping, Crossmatch, antibody assays and chimerism monitoring)	<b>Raja Rajalingam</b> UCSF, USA
16:45-17:45	60 min	<b>Panel Discussion</b>	<b>Monika Jain</b> <b>Varsha Trivedi</b> <b>Anil Handoo</b> <b>Raja Rajalingam</b> <b>Narinder K Mehra</b>
<b>17:45-18:00</b>	<b>15 min</b>	<b>Closing</b>	

### Faculty and Panelists

**Prof Narinder K Mehra**  
INSA, New Delhi

**Prof Raja Rajalingam**  
UCSF, USA

**Prof Sandeep Mahajan**  
AIIMS New Delhi

**Prof Ranjit Sahoo**  
AIIMS New Delhi

**Dr Uma Kanga**  
AIIMS New Delhi

**Dr Ajay Baranwal**  
AMC

**Dr Meenakshi Singh**  
ACTREC, Mumbai

**Dr Anil Handoo**  
BLK Hospital, New Delhi

**Dr Varsha Trivedi**  
Unipath Labs, Ahmedabad

**Dr Monika Jain**  
SGRH, New Delhi

**Dr Yoginder Pal Singh**  
Agilus , Gurugram