



**Continuing Medical Education**

## **43rd Annual Conference of Pakistan Association of Pathologists/ 8<sup>th</sup> Joint Conference of Societies**

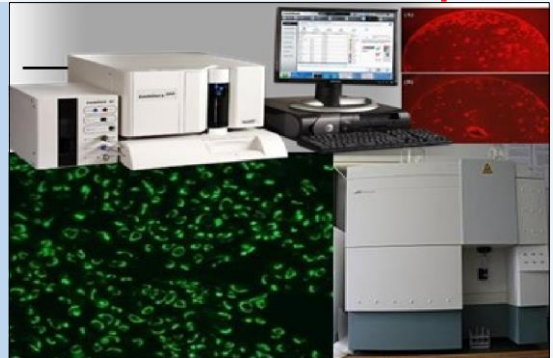
### **Workshop1:**

**Role of histocompatibility testing  
In renal transplantation**

SIUT Karachi

Date: 24th November 2022 (Friday)

Time: 09:00 am to 02:00 pm



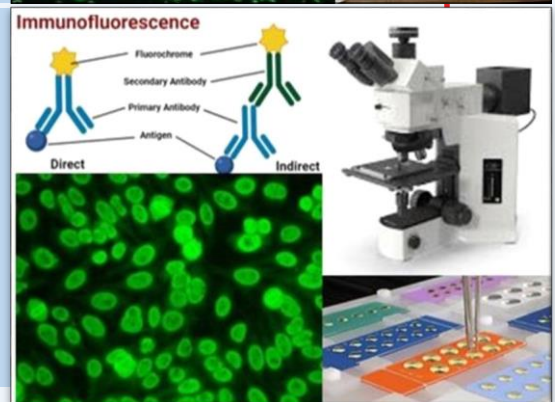
### **Workshop2:**

**Role of immunofluorescence techniques in  
the diagnosis of autoimmune diseases**

SIUT Karachi

Date: 24th November 2022 (Friday)

Time: 09:00 am to 02:00 pm



### **Facilitators / Coordinators:**

Prof. Dr. Mirza Naqi Zafar

Prof. Tahir Aziz Ahmed

Dr. Khawar Abbas,

Dr. Wajiha Musharraf

Dr. Abdul Qader Sukkurwala

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## 43<sup>rd</sup> Annual Conference of Pakistan Association of Pathologists

**Session Name: Pakistan Society for Immunology (PSI)**

**Coordinators:** Dr. Sabiha Anis, Dr. Najeeha Iqbal, Lt. Col. Dr. Omair Riaz, Dr. Wajiha Musharraf, Dr. Sabahat Sarfaraz, Dr. Mehjabeen Imam, Dr. Aisha Abid, Dr. Salma Batool

**2<sup>nd</sup> Day November 26, 2022**

**Session 1) Immunodeficiency and Immunedysregulation**

**Time: 9:00-10:35 pm**

**Chairs:** Brig. (R)Dr. Tahir Aziz Ahmed, Prof. Dr. M. Raza Shah

**Moderator:** Lt.Col. Dr. Omair Riaz

Time	Title
9:00-9:02 am	<b>Welcome Note</b> <i>Lt.Col. Dr. Omair Riaz</i>
9:03-9:20 am	<b>Invited lecture 1</b> Introduction to Immunology Sessions Immunodeficiency and immune dysregulation: go hand in hand <i>Dr. Sabiha Anis, Indus Hospital and Health Network, Karachi, Pakistan</i>
9:20-9:40 am	<b>Invited lecture 2</b> Autoantibodies as diagnostic markers in Autoimmune Encephalitis. <i>Brig (R). Dr. Tahir Aziz Ahmed, Shifa International Hospital, Islamabad, Pakistan</i>
<b>Free Oral Presentation</b>	
9:41-9:47 am	<b>Free Oral Presentation 1</b> Association of interleukin-38 level and its polymorphism (rs 6743376) with rheumatoid arthritis <i>Bushra Mubarak, University of Health Sciences, Lahore, Pakistan</i>
9:48-9:54 am	<b>Free Oral Presentation 2</b> Frequency of autoantibodies to nuclear antigens in rheumatoid factor positive patients <i>Tahreem Fatima, Sindh Institute of Urology and Transplantation (SIUT), Karachi, Pakistan</i>
9:55-10:01 am	<b>Free Oral Presentation 3</b>



	Impact of consanguinity in parents of patients with Primary Immunodeficiency <i>Hamna Hanif, Indus Hospital and Health Network, Karachi, Pakistan</i>
10:01-10:31 am	<b>Invited lecture 3</b> Diagnosis and Treatment of Inborn Errors of Immunity Dr. Michel Massaad <i>American University of Beirut, Beirut, Lebanon.</i>
10:31-10:35 am	Q&A and Comments by chairs
10:35-11:00 am	Tea break



## 42<sup>nd</sup> Annual Conference of Pakistan Association of Pathologists

### Session 2) Molecular and Cellular Immunology

Time: 11:00-12:06 pm

**Chairs:** Dr. Junaid Iqbal, Dr. Kiran Iqbal

**Moderator:** Dr. Aisha Abid

Time	Title
11:00-11:20 am	<b>Invited lecture 4</b> Pakistan's Big 4: Mass Production of Anti-Snake Venom to end international Reliance" <i>Dr. Talat Roome, Dow University of Health Sciences, Karachi, Pakistan</i>
11:20-11:40 am	<b>Invited lecture 5</b> Recognition of conserved and specific epitopes by B and T cells during progressive mycobacterial disease and its implications for COVID disease <i>Prof. Rabia Hussain, Aga Khan University Hospital, Karachi, Pakistan</i>
<b>Free Oral Presentation:</b>	
11:41-11:47 am	<b>Free Oral Presentation 4</b> Evaluating antibody responses to booster doses of COVID-19 vaccines using chemiluminescent microparticle immunoassay and pseudotyped lentivirus antibody neutralization assay in the Pakistani population. <i>Shakir Hussain, Indus Hospital and Health Network, Karachi, Pakistan</i>
11:48-11:54 pm	<b>Free Oral Presentation 5</b> BCG trained immunity against cross-reactive COVID antibodies in healthy BCG vaccinated donors in TB endemic area <i>Kumail Ahmed, Aga Khan University Hospital, Karachi, Pakistan</i>
11:55-12:01 pm	<b>Free Oral Presentation 6</b> Decreased classical monocytes and CD163 expression in TB patients: an indicator of drug resistance <i>Faheem Shahzad, University of Health Sciences, Lahore, Pakistan</i>
12:02-12:06 pm	Q&A and Comments by chairs



### Session 3) Transplant Immunology

**Time: 12:06-1:12 pm**

**Chairs:** Prof Naqi Zafar, Prof. Mohammad Mubarak.

**Moderator:** Dr. Wajiha Musharraf

Time	Title
12:06-12:26 pm	<p><b>Invited lecture 6</b></p> <p>Role of Bone marrow transplant in various inherited disorders</p> <p><i>Dr. Saima Munzir, National Institute of Blood Diseases and Bone marrow Transplantation, Karachi, Pakistan</i></p>
12:26-12:46 pm	<p><b>Invited lecture 7</b></p> <p>A model based on donor factors for predicting long-term survival of living-related renal transplant.</p> <p><i>Dr. Naqi Zafar, Sindh Institute of Urology and Transplantation, Karachi, Pakistan</i></p>
<b>Free Oral Presentation:</b>	
12:47-12:53 pm	<p><b>Free Oral Presentation 7</b></p> <p>Frequency of anti-endothelial cell antibodies at the time of renal graft rejection</p> <p><i>Anusha Sikander Ali, Sindh Institute of Urology and Transplantation, Karachi, Pakistan</i></p>
12:54-1:00 pm	<p><b>Free Oral Presentation 8</b></p> <p>A study of cell culture and Growth Kinetics of Mesenchymal Stem Cells from Balb/C Mice and a short review of clinical trials up to now in the field of stem cell therapy.</p> <p><i>Amber Khan, Sindh Institute of Urology and Transplantation, Karachi, Pakistan</i></p>
1:01-1:07 pm	<p><b>Free Oral Presentation 9</b></p> <p>Association of Dectin-1 polymorphism with candida infection in liver transplant Recipients</p> <p><i>Sabahat Sarfaraz, Dow University of Health Sciences, Karachi, Pakistan</i></p>
1:08-1:12 pm	Q&A and Comments by chairs
1:12-2:00 pm	<b>Lunch break</b>



## Session 4) Allergy, Inflammation, Immunotherapeutics

Time: 2:00-4:00 pm

**Chairs:** Prof. Rabia Hussain, Dr. Najeeha Iqbal

**Moderator:** Dr. Sabahat Sarfaraz

Time	Title
2:00-2:20 pm	<b>Invited lecture 8</b> Successful Allergy Vaccination - What ONLY the Immunologist can do? <i>Dr. Osman Yusuf, National Institute of Allergy and Asthma, Islamabad, Pakistan</i>
2:20-2:40 pm	<b>Invited lecture 9</b> Immunomodulatory potential of Probiotic influences immunotherapy. <i>Dr. Muneera Naz, Karachi University</i>
2:40-3:10 pm	<b>Invited lecture 10</b> Allergen component diagnostics in clinical practice. <i>Dr. Pavels Gordins, Hull University Teaching Hospitals NHS Trust, Hull, UK</i>
<b>Free Oral Presentation:</b>	
3:11-3:17 pm	<b>Free Oral Presentation 10</b> Dynamics of IgG Antibody Responses to SARS-CoV-2 Reveals Insight into Immunity During the Early Pandemic Period in Pakistan: <i>Kiran Iqbal, Aga Khan University Hospital, Karachi, Pakistan</i>
3:18-3:24 pm	<b>Free Oral Presentation 11</b> The Significance of Humoral Immune Response in COVID Breakthrough Infection in a Local Population <i>Mariam Ashfaq Khan, Indus Hospital and Health Network, Karachi, Pakistan</i>
3:25-2:31 pm	<b>Free Oral Presentation 12</b> Expression of Toll-Like Receptor 2, Dectin-1, and Osteopontin in Dental Pulp Inflammation <i>Arshad Hasan, Dow University of Health Sciences, Karachi, Pakistan</i>
2:32-3:38 pm	<b>Free Oral Presentation 13</b> Investigation of the wound healing potential of photo-active curcumin-ZnO-nanoconjugates in an excisional wound model <i>Talat Roome, Dow University of Health Sciences, Karachi, Pakistan</i>
3:39-3:45	<b>Free Oral Presentation 14</b>



	CYP3A5 gene (rs776746; 6986A>G) polymorphism and its impact on tacrolimus dosage among kidney transplant patients: a systematic review and meta-analysis. <i>Ali Raza, Sindh Institute of Urology and Transplantation, Karachi, Pakistan</i>
3:46-3:52	<b>Free Oral Presentation 15</b> Folate Conjugated Simvastatin Nano formulation Modulates OPN Expression in Atherosclerosis <i>Asma Khawar, Dow University of Health Sciences, Karachi, Pakistan</i>
3:52-4:00 pm	Q&A and Comments & Conclusion by chairs
4:00 pm	Tea



Day 3 November 27, 2022

**Session 5) Immune biomarkers and Immunotherapeutics**

**Time: 9:00-11:30 am**

**Chairs:** Dr. Salma Batool, Dr. Talat Roome

**Co-Chair:** Dr. Sabahat Sarfaraz

Time	Title
9:00-9:20 am	<b>Invited lecture 11</b> Epitope specificity of neutralizing antibodies potentially involved in spontaneous clearance of Hepatitis C Viral infections <i>Dr. Syed Shahzad ul Hussain, Lahore University of Management Sciences (LUMS), Lahore, Pakistan</i>
9:20-9:40 am	<b>Invited lecture 12</b> Natural Killer cell-mediated immunotherapy in Acute Myeloid leukemia: From bench to Bedside <i>Dr. Fareena Bilwani, Aga Khan University Hospital, Karachi, Pakistan</i>
<b>Free Oral Presentation:</b>	
9:40-9:47 am	<b>Free Oral Presentation 16</b> Association of HLA-DR $\beta$ 1 Complex with susceptibility in COVID-19 patients. <i>Rabia Siddiqua, University of Health Sciences, Lahore, Pakistan</i>
9:48-09:54 am	<b>Free Oral Presentation 17</b> Significance of anti-Rib-P-Protein-antibodies in the diagnosis of autoimmune diseases in a local population-a single-center study. <i>Areej Fatima, Indus Hospital and Health Network (IHHN), Karachi, Pakistan</i>
9:55-10:01 am	<b>Free Oral Presentation 18</b> Development and Validation of In-House Hep-2 Cell Slides <i>Muhammad Zain Arshad, Armed Forces Institute of Pathology, Rawalpindi, Pakistan</i>
10:02-10:08 am	<b>Free Oral Presentation 19</b> Monitoring Durability and Efficacy of COVID-19 Vaccine-Induced Immunity <i>Hafsa Faruqi, Dow University of Health Sciences, Karachi, Pakistan</i>
10:09-10:15 am	Q&A and Comments & Conclusion by chairs
10:15-11:30 am	<b>Pakistan Society for Immunology (PSI) GBM</b>
11:30 am	Tea Break
<b>PAP CLOSING CEREMONY</b>	