



FOURTH KMC-RC 2025

INSPIRATION TO APPLICATION:
THE IMPACT OF LOCAL RESEARCH

SCIENTIFIC
PROGRAMME

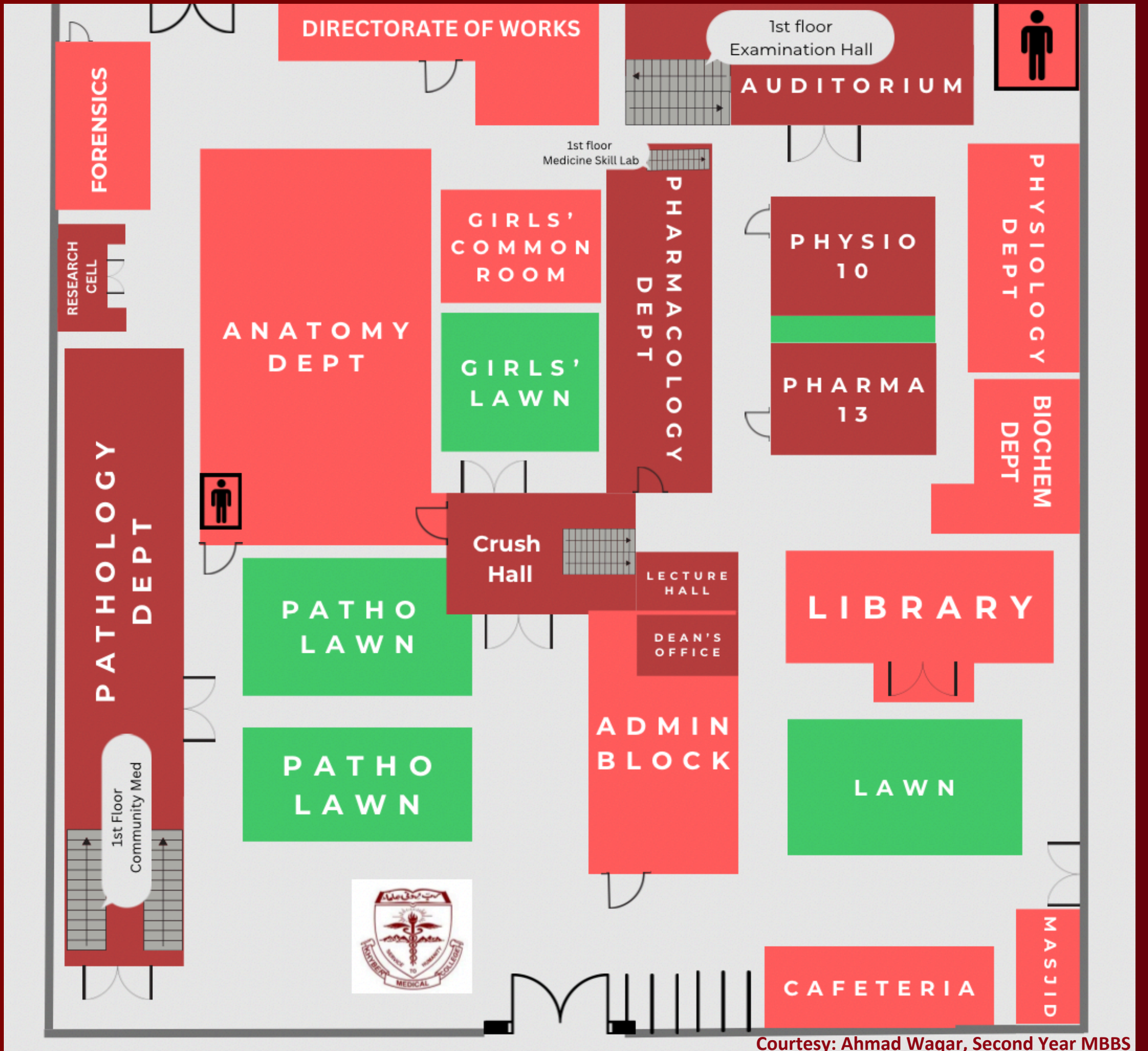


4TH OCTOBER 2025



KHYBER MEDICAL COLLEGE

FOURTH KMC-RC 2025



Courtesy: Ahmad Waqar, Second Year MBBS

KEY:

HALL-A: Auditorium, HALL-B: Physio-10, HALL-C: Pharma-13, HALL-D: Mini Auditorium, HALL-E: Examination Hall, HALL-F: Conference Room, Community Medicine Department



Message from The Dean, KMC



**Prof. Dr. Mahmud
Aurangzeb**

Dear Colleagues and Esteemed Guests,

It gives me immense pleasure to welcome you to the Khyber Medical College International Research Conference (KMC-IRC) 2025, scheduled for October 4, 2025 at Khyber Medical College, Peshawar. This year's theme, "Inspiration to Application: The Impact of Local Research", signifies our commitment to transforming indigenous research into practice-changing strategies that enhance patient care, influence policy, and inspire innovation.

KMC-IRC has evolved into a premier platform where faculty, postgraduate trainees, and undergraduate students come together with national and international scholars to share knowledge, experiences, and solutions. By focusing on the translation of local research into clinical practice and public health outcomes, this conference underscores our dedication to evidence-based medicine and the pursuit of excellence in healthcare.

As Patron-in-Chief, I extend my heartfelt gratitude to the Organizing and Scientific Committees, our distinguished speakers, and enthusiastic participants whose contributions ensure the continued success of this academic tradition. Together, we are building a research culture that will not only enrich our institution but also create a lasting impact on the healthcare landscape of Pakistan and beyond.

I look forward to welcoming you to KMC-IRC 2025 and to witnessing the collaborative spirit of inquiry and innovation that defines our academic community.

Professor Dr. Mahmud Aurangzeb
Dean, Khyber Medical College
Patron-in-Chief, KMC-IRC 2025



Message from the Chief Organizer, KMC-IRC 2025



Dr. Iqbal Haider

Dear Esteemed Participants, Faculty, Students, and Guests,

It is with immense pride and enthusiasm that we welcome you to the Khyber Medical College International Research Conference (KMC-IRC) 2025, a milestone event that embodies our collective commitment to advancing medical research and fostering innovation in healthcare. As the Chief Organizer and Associate Dean Research at Khyber Medical College, I am honored to present the Scientific Program Book for KMC-IRC 2025, a testament to the dedication of our academic community and the vibrant research ecosystem in Peshawar. Under the inspiring theme, *Inspiration to Application: The Impact of Local Research*, KMC-IRC 2025 showcases an extensive and dynamic scientific program designed to spark curiosity, facilitate collaboration, and translate research into tangible health solutions. Our program is a robust blend of learning and innovation, featuring 60 Pre-Conference Workshops (PCWs), including 6 Online Preconference Webinars, and a total of 52 Continuing Medical Education (CME) credits accredited by the Postgraduate Medical Institute (PGMI), Peshawar, Pakistan. These workshops provide hands-on opportunities to master cutting-edge research methodologies and clinical skills, empowering participants to drive impactful change. The main conference is equally vibrant, with 42 Verbal Presentations showcasing the diversity of talent across our academic spectrum: 10 Faculty, 13 Postgraduate, and 19 Undergraduate. Complementing these are 95 Poster Presentations, comprising 5 Faculty Posters, 35 Postgraduate Posters, and an impressive 55 Undergraduate Posters, reflecting the enthusiasm of our young researchers. These presentations highlight the breadth of local research, from foundational studies to applied clinical advancements, addressing critical health challenges like hepatitis, infectious diseases, and public health disparities in our region.

KMC-IRC 2025 goes beyond traditional formats to ignite critical thinking and innovation. We are thrilled to introduce the Interactive Research Café, where participants can engage directly with renowned research experts in an open, collaborative setting. The Research Quiz will challenge intellectual rigor, while the First-Ever National Infographic Competition aims to cultivate creativity and clarity in communicating complex research to diverse audiences. These initiatives are designed to nurture the next generation of researchers, equipping them with the tools to think critically and innovate boldly.

This remarkable program is the result of the tireless efforts of our Scientific Committee, Organizing Committee, Students Research Committee and all supporting teams. Their dedication has ensured a platform that not only showcases research excellence but also amplifies the impact of local discoveries on a global stage. I extend my deepest gratitude to them, as well as to our distinguished faculty, Keynote speakers, enthusiastic students, and esteemed guests for making KMC-IRC 2025 a reality.

As we gather in Peshawar, let us harness the power of inspiration to fuel application, transforming research into solutions that uplift our communities and beyond. May this conference be a catalyst for new ideas, partnerships, and breakthroughs in medical science. Welcome to KMC-IRC 2025—let's shape the future of healthcare together!

Professor Dr. Iqbal Haider

Chief Organizer, KMC-IRC 2025

Associate Dean Research, Khyber Medical College, Peshawar

Organizing Committee



Prof. Dr. Mahmud Aurangzeb
Patron in Chief, KMC-IRC 2025
Dean KMC



**Prof. Dr Mushtaq
Ahmad**



Dr. Iqbal Haider



Dr. Mohsin Shafi



Dr. Sabahat Amir



**Dr. Suleman Elahi
Malik**



Dr. Aliena Badshah



Dr. Shumaila Javaid



Dr. Zia Ud Din



Dr. Imran Marwat



Dr. Irum Sabir



Dr. Jehan Hassan



Dr. Hajira Ishaq



**Dr. Muhammad Saleh
Faisal**



Dr. Fida Hussain



Acknowledging Our Student Research Committee (Student Organizers)



Sundus Huma
President



Sarah Yousaf
Vice President



Aisha Jamil
Director Media



Areen Arif
Director Activities



Hamza Khattak
Director Academics



Khalid Afridi
Director Coordination



Zmarak Ahmad
Director Communications



Farah Naz
Asst. Dir. Communications



Khadija Azmat
Asst. Dir. Media



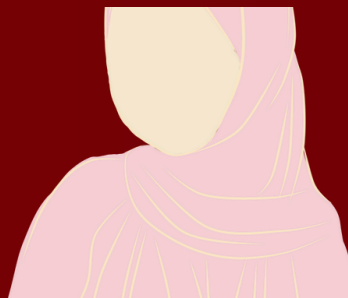
Nosheen
Asst. Dir. Activities



Ayesha Farooq
Asst. Dir. Communications



Wajahat Hanif
Asst. Dir. Activities



Momina Ali
Asst. Dir. Coordination



Furqan Ahmad Sethi
Treasurer



PROGRAMME AT A GLANCE

8:30 AM to 10:00 AM (Main Auditorium)	Session 1 Subtheme: Innovative Research Pathways: From Global Challenges to Local Health Solutions
9:00 AM Onwards (Pharmacology Department KMC)	Research Cafe
10:30 AM to 11:30 AM (Main Auditorium)	Inaugural Ceremony KMC-IRC 2025
11:00 AM onwards (Main Ground KMC)	Inauguration of Scientific Stalls
Parallel Sessions	
11:30 AM to 1:00 PM (Main Auditorium)	Session 2 Subtheme: Advancing Local Research Frontiers: Methodological Innovations and Data-Driven Insights
11:45 AM to 1:00 PM (Mini Auditorium KMC)	Session 3 Subtheme: Sustaining Research Excellence: Education, Ethics, and Mental Health Applications
1:00 PM to 1:30 PM	Expert Discussion and Conference Statement
Parallel Sessions	
1:30 PM to 3:00 PM (Main Auditorium)	Faculty Verbal Presentations
1:30 PM to 3:00 PM (Mini Auditorium KMC)	Postgraduate Verbal Presentations
1:30 PM to 3:00 PM (Physio-10, Pharma-13 Lecture Halls)	Undergraduate Verbal Presentations

1:30 PM to 3:00 PM (Examination Hall KMC)	Poster Presentations
Parallel Sessions	
3:30 PM to 4:30 PM (Mini Auditorium KMC))	Infographic Posters Competition
3:00 PM to 4:00 PM (Community Medicine Conference Hall)	Research Quiz Competition (Battle of the brains)
7:00 PM to 9:30 PM (Pathology Garden KMC)	Conference Dinner (For Dinner Registered Participants)
7:00 PM to 9:30 PM (Pathology Lawn KMC)	Closing Ceremony



SCIENTIFIC SESSIONS OVERVIEW	
Session 1	
8:30 AM to 10.00 AM	"Innovative Research Pathways: From Global Challenges to Local Health Solutions"
	This session explores emerging research opportunities in disaster management, climate change, artificial intelligence, and postgraduate training, emphasizing how these areas can inspire medical graduates and healthcare professionals (HCPs) to conduct locally impactful studies that bridge global issues with community-level applications.
	Speakers: Professor Atta-ur-Rahman,Dr. Masood Jawaid, Professor Mohammad Noor.
Session 2	
11:30 AM- 1:00 PM	Advancing Local Research Frontiers: Methodological Innovations and Data-Driven Insights"
	This session delves into specialized research methodologies, including mental health studies, ethical publishing, nanotechnology applications, and the utilization of local data in clinical contexts. It aligns with the conference theme by showcasing how inspired, region-specific innovations can be applied to foster ethical, data-informed advancements that directly influence healthcare delivery and outcomes in Pakistani settings.
	Speakers: Professor Dr. Akhtar Sherin, Dr. Liaqat Ali, Dr. Javed Iqbal Farooqi, Professor Wahab Yousafzai
Session 3	
11:45 AM- 1:00 PM	Sustaining Research Excellence: Education, Ethics, and Mental Health Applications
	This session focuses on enhancing research quality and effective dissemination of results. It covers common pitfalls in research presentations and offers strategies for clear, engaging and impactful communication. The session also highlights the importance of qualitative research in the health professions.
	Speakers: Dr. Farooq Rathore, Professor Dr. Niaz Ali, Dr. Noor-i-Kiran, Dr. Ahsan Sethi.

4th October 2025

SESSION-01

HALL-A

(8:30 AM – 10:00 AM)

STATE OF THE ART LECTURES

MODERATORS

Zmarak Ahmad

Areen Arif

TALK	TOPIC	SPEAKER	TIME
#1	Avenues for Locally Driven Research in Disaster Management and Global Warming: Empowering Medical Graduates and HCPs to Mitigate Regional Health Risks	Professor Atta-ur-Rahman	20 min
#2	Leveraging AI in Medical Research and Journalism: Translating Local Insights into Globally Recognized Publications with Community Impact	Dr. Masood Jawaid	20 min
#3	The Significance of Postgraduate Residency Research in Shaping Local Health Practices: Measuring Impact on Community Outcomes and Policy.	Professor Mohammad Noor	20 min



OPENING CEREMONY Hall-A (10:30 AM – 11:30 AM)

MODERATORS

Dr Shumaila Javed

Sarah Yousaf

10.30 AM – 11:30
AM

Commencement of Event

Tilawat

Welcome Address by Associate Dean Research, Dr. Iqbal Haider

Address by President SRC, Sundus Huma

Address by Dean KMC, Prof. Dr. Mahmud Aurangzeb

Address By Chief Guest KMC-IRC 2025 Dr. Wajid Ali
Chairman BoG MTI KMC/ KTH Peshawar

Vote of thanks by Chairman organizing Committee, Dr Mushtaq
Ahmad

Shields and Souvenirs distribution

RESEARCH BOOK LAUNCH

INAUGURATION OF SCIENTIFIC STALLS



SESSION 2

HALL-A
11:30 AM- 1:00 PM

MODERATORS

Noor Fazle Moula

Sareen Kamran

TALK	TOPIC	SPEAKER	TIME
01	Unlocking Mental Health in Undergraduates of Pakistan: From Local Research Inspiration to Practical Campus and Community Applications	Professor Wahab Yusufzai	20 min
02	Ethical Standards in Local Research Publishing: Ensuring Integrity and Impact in Regional Health Journals	Professor Dr. Akhtar Sherin	20 min
03	Nanotechnology Success Stories in Local Perspectives: Applying Innovative Research to Address Regional Health Challenges	Dr. Liaqat Ali	20 min
04	Harnessing Local Data for Clinical Research: Inspiring Evidence-Based Applications to Improve Community Health Practices	Dr. Javed Iqbal Farooqi	20 min



SESSION 3
HALL-D
(11:45 AM- 1:00 PM)

MODERATORS

Farah Afridi

Adan Tariq

TALK

TOPIC

SPEAKER

TIME

01

Maximizing the Impact of Local Research: Strategies to Avoid Predatory Journals and Enhance Community-Relevant Outcomes

Dr. Farooq Rathore

20 min

02

Unlocking Research Potential: Funding Strategies

Professor Dr. Niaz Ali

20 min

03

Qualitative Research Approaches in Local Contexts: Inspiring Actionable Insights.

Dr. Noor-i-Kiran

20 min

04

Navigating the Dynamics of Effective Research Supervision

Dr. Ahsan Sethi

20 min



RESEARCH CAFE (9:00 AM ONWARDS)

PHARMACOLOGY
DEPARTMENT

CAFE 1: BIOSTATISTICS
AND RESEARCH

Muhammad Saleem

CAFE 2: SYSTEMATIC
REVIEW AND META-
ANALYSIS

Dr. Basheer Rehman

CAFE 3: CLINICAL
AUDITS

Dr. Fahad Naeem

CAFE 4:
QUALITATIVE
RESEARCH

Dr Shahid Ayub

CAFE 5:
QUANTITATIVE
RESEARCH

Dr.Faaiz Ali Shah

CAFE 6: CLINICAL
TRIALS

Dr Naseer Ahmad

MODERATORS

Rizwana Noor

Vareesha

Zia ul Abrar

Habib ur Rehman

SCIENTIFIC STALLS (11:30 AM ONWARDS)

MAIN GROUND KMC

COLLABORATORS FOR
STALLS:

**Medicine Interest
Group KMC**

IFMSA KMC-LC

Brain Bridge KMC

**Surgery Interest
Group KMC**

**Learning Minds
Podcast**

STAR Organization

**Psychiatry Interest
Group KMC**

**ObGyn Interest
Group KMC**

**Oncology Students
Interest Group KMC**

**CardioPulmonary
Collaboration Group**



VERBAL AND e-POSTER COMPETITION (PARALLEL SESSIONS)

VERBAL PRESENTATIONS (1:30 to 3pm)

HALL-A

Faculty Verbal Competition

Dr. Bushra Iftikhar

Dr. Saima Abid

Dr. Manzar Anwar

Professor Dr Wahab Yousafzai

HALL-D

Postgraduate Verbal Competition

JUDGES

Dr. Sabahat Amir

Dr. Rubeena Gul

Dr. Nisar Ahmad

MODERATORS

Momina Ali

Mahad Rizwan

Zia ur Rahman

Laila Mehsud

HALL-B AND HALL-C

Undergraduate Verbal Competition

HALL-B

Dr. Ambar Ashraf

Dr. Rukhsana

Dr. Faisal Saleh

HALL-C

Dr. Saadia Ashraf

Dr. Romana Ayub

Dr. Waqar Ali

Omama

Noor

Ehtisham Wali

Malaika



VERBAL PRESENTERS

Dr. Aisha Habib Ahmed

Dr. Alishba Imtiaz

Dr. Safina Tanveer

Dr. Aliena Badshah

Dr. Aziz Mohammad

Dr. Rizwana

Dr. Junaid Aziz Qadri

Dr. Mohammad Omar

Dr. Rida Fatima

Dr. Zeeshan Khan

Dr. Osama Shahzad

Dr. Verdah Qadir

Dr. Abdal Ahmad

Dr. Afra Khan

Dr. Muhammad Tariq

Dr. Muneeb Hassan

Dr. Nadir Sultan

Prof. Dr. Mohammad Zarin

Dr. Aqib Javid

Dr. Abdul Moez

Dr. Ikram Ullah

Dr. Syed Dilbagh Ali

Dr. Zia Ullah

Dr. Hizbullah Jan

Dr. Mahjabina S. Ghayur

Dr. Muhammad Sabih

Dr. Suleman Elahi Malik

Dr. Waqar Ahmad Tahir

Dr. Faisal Ahmad

Dr. Hiba Abeer

Dr. Muhammad Imran Marwat

Dr. Saif Ullah

Dr. Syed Wajihullah Shah

Dr. Umer Khalil

Dr. Humaira Obaid

Dr. Humna Indal

Dr. Kashaf Hameed Khattak

Dr. Khaizran Zareen Bukhari

Dr. Laaiba Akbar

Dr. M. Maaz Bin Zahid

Dr. Maham Malik

Dr. Mamur Khan

Dr. Maroof Khan

Dr. Mattiullah

Dr. Muddasir Mehmood Jan

Dr. Muhammad Aftab Alam

Dr. Muhammad Dawood

Dr. Muhammad Ehtesham

Dr. Zahra Sheikh

Dr. Zara Khan

Dr. Ahmad Khan

Dr. Haseeb Hayat

Dr Sidra Afridi



e-POSTER PRESENTATIONS (1:30 to 3pm)

HALL-E

JUDGES

Dr. Shaista Kanwal

Dr. Kashif Ur Rehman
Khalil

Dr. Basheer Rehman

Dr. Sadaf Durrani

Dr. Muslim Khan

Dr. Samrina Mohammad

Dr. Naheed Khattak

Dr. Aiman Khan

Dr. Lubna Kashif

Dr. Ahsan Mahmood

Dr. Hayat Muhammad

Dr. Hamid Husain

Dr. Jehan Hussan

Dr. Shazia Makhdoom

Dr. Adeela Mustafa

Dr. Arshia Munir

Dr. Imran Khan

Dr. Ata ur Rehman

Dr. Sajjad Ali

Professor Dr. Saima
Liaquat

Dr. Sajjad Ali

MODERATORS

Sidra Khan

Komal

Mohammad Haseeb

Khalid afridi

Farah Naz

Nosheen



e-POSTER PRESENTERS (1:30 to 3pm)

Dr. Muhammad Shoaib	Dr. Muhammad Umar Ghauri	
Dr. Abdul Basit	Dr. Safia Rahman	
Dr. Abuzar Khan	Dr. Shaheera Bano Khattak	
Dr. Adan Khan	Dr. Sidra	Dr. Muhammad Saad
Dr. Afra Khan	Dr. Syeda Maria Shah	Dr. Muhammad Saleh Faisal
Dr. Ahmad Khan	Dr. Zubair Ahmad	Dr. Muhammad Taha
Dr. Ahmed Abdullah	Dr. Momina Mustafa	Dr. Muhammad Umer Suleman
Dr. Ali Nasir	Dr. Muhammad Sabib	Dr. Muneeza Rizwan
Dr. Ali Raza	Dr. Sania Malik	Dr. Mustaqeem Shah
Dr. Ameer Afzal Khan	Dr. Fahad Amin	Dr. Naveed Ahmed Khan
Dr. Aqib Muhammad	Dr. Farman Ullah Khan	Dr. Paras Kumari
Dr. Amina Gul	Dr. Hamza Khan	Dr. Rahman Syed
Dr. Momena Ali	Dr. Imtiaz ur Rehman	Dr. Salman Khan
Dr. Aliza Shahid	Dr. Kaleem Ullah	Dr. Shahzada Abdul Rafay
Dr. Muhammad Ihtesham	Dr. Kausar Noor	Dr. Salman Zalan
Dr. Dilawar Ali Yazdan	Dr. Mohsin Ali	Dr. Salwa Iman
Dr. Kainat Khan	Dr. Momin Noshad	
Dr. Naqeeb Ullah	Dr. Momina Khan	
Dr. Khizer Hamza	Dr. Muhammad Hassaan	
Dr. Maria Khan	Dr. Muhammad Mursaleen	
Dr. Rida Fatima		



e-POSTER PRESENTERS (1:30 to 3pm)

Dr. Zarka Zahid

Dr. Sara Jamil

Dr. Zarqa Tanveer

Dr. Shiza Abid

Dr. Zia Ullah Khan

Dr. Sidra Khan

Dr. Arshad Mehmood

Dr. Syed Izaz Ahmad

Dr. Muddasir Mehmood Jan

Dr. Umainah Khuroosh

Dr. Ihtisham Ullah

Dr. Unqa Javed Farooqi

Dr. Zarmeena Ajmal

Dr. Wajiha Farooq

Dr. Ihtisham ul Haq

Dr. Waleed Hamza

Dr. Neha Ahmed

Dr. Yasrab Fatima

Dr. Zainab Nabeel



BATTLE OF THE BRAINS

(3:00 PM-4:00 PM) (QUIZ COMPETITION)

HALL-F

MODERATORS

Hamza Khattak

Khadija Azmat

INFOGRAPHIC POSTERS COMPETITION

(3:30 PM-4:30 PM)

HALL-D

MODERATORS

Wajahat Hanif

Areesha Khan



CLOSING CEREMONY AND DINNER (7:00 PM ONWARDS)

MODERATORS

Dr Samra Fakhar

Dr Shumaila Javaid

Khalid Afridi

7:00 PM Onwards

Closing Addresses:

Closing Remarks by Dean KMC, Prof. Dr. Mahmud Aurangzeb
Closing Remarks by the chief Guest
Closing Remarks by Guest of Honour
Closing Remarks by Vice-Chairman Organizing Committee Associate Professor Dr. Mohsin Shafi
Certificate Distribution Ceremony

Prize Distribution Ceremony:

- Oral Presentation
- Poster Presentation
- Quiz Competition
- Infographic Poster competition

Certificate and shields distribution to the faculty and students organizing committees.

