

12 ANC: Integrative Approaches Towards Neuroscience and Mental Health			
Day 1: 28th July, 2026			
Time	Program		Venue
08:30 – 09:00	Registration		Ground floor auditorium, Pharmacy Building C, DUHS, Ojha Campus
09:00 - 09:05	Tilawat		
09:05 – 09:10	National Anthem		
09:10- 09:15	Welcome address <i>Prof. Dr. Nazli Hossein, Honourable VC, DUHS</i>		
09:15 – 09:20	Address by Chief Guest <i>Prof. Dr. Tariq Rafi, Chairman SHEC</i>		
09:20 – 09:25	Address by Guest of Honor <i>Prof. Dr. Saeed Quraishy, VC, Sohail University</i>		
09:25 – 09:30	Objectives of 12ANC On Theme: Integrative Approaches Towards Neuroscience and Mental Health <i>Dr. Meha Fatima Aftab</i>		
09:30 – 10:05	Plenary Session 1 Awake Craniotomy: A Window into the Conscious Brain <i>Prof. Dr. Syed Ather Enam</i>		
10:05 – 10:45	Plenary Session 2 Neuro-AI: Bridging Neuroscience and Artificial Intelligence to Uncover Principles of Learning and Intelligence <i>Prof. Dr. Adeel Razi</i>		
10:45 – 11:15	Keynote Session 1 Nurturing the Minds That Will Shape Tomorrow <i>Prof. Dr. Arif Herekar</i>		
11:15 – 11.45	Tea Break		
11:45 – 13:15	Invited Sessions		Tutorial Rooms, Pharmacy Building C, DUHS, Ojha Campus
	Invited Session 1 Venue: Auditorium, Ground floor Session Chair: Dr. Humera Tariq		
	Name	Title	
11.45 – 12:05	Dr. Humera Tariq	Advancing Neuroimaging with Agentic AI	
12: 05 – 12:25	Dr. Amit Shah	Integrative Ayurveda: A Case for Holistic Approach in Neuroscience	
12:25 – 12:45	Brig. Shoaib Ahmed	Mental Health Myths: Separating Facts from Fiction	
12:45 - 13:05	Dr. Huma Ikram	Low-Dose Apomorphine Nanoparticles Promote Memory Revival with Distinct Neurochemical Signature	
	Invited Session 2 Venue: 2nd floor, tutorial room 1 Session Chair: Dr. Sarfaraz Khan		

11.45 – 12:05	Prof. Dr. Touqeer Ahmed	Mapping The Landscape Of Neuroscience Research Trends In South Asia, Challenges And Opportunities			
12: 05 – 12:25	Ms. Nuraishah	Idāmat al-Nazar: Islamic Conceptual Model of Knowledge Formation - Empirical Exploration through Neuroscience			
12:25 – 12:45	Dr. Meha Fatima Aftab	The Heart That Feels: The Electrical Mechanisms of Heart-Brain Coherence in Religion and Spiritual Wellbeing			
12:45 - 13:05	Dr. Muhammad Sarfaraz	QOL Unlocked: How Exercise Can Change the Game			
	Invited Session 3 Venue: 2nd floor, tutorial room 2 Session Chair: Dr. Irfan Khan				Tutorial Rooms, Pharmacy Building C, DUHS, Ojha Campus
11.45 – 12:05	Dr. Sadaf Ahmed	Learning Environments and Brain Health: A Neuroeducational Perspective			
12: 05 – 12:25	Prof. Dr. Asif Ahmed	GCLP & Emotional Therapeutics: An Integrative Neuroscience Approach to Consciousness, Emotional Regulation, Neuroplasticity, and Mental Health			
12:25 – 12:45	Dr. Inam e Khuda	Updates In Hyperacute Stroke Therapies and the Evolving Role Of AI			
12:45 - 13:05	Dr. Irfan Khan	Rekindling Optic Nerve to the Brain; Cell Free Approach for Neuroprotection			
	Invited Session 4 Venue: 2nd floor, tutorial room 3 Session Chair: Dr. Farina Hanif				
11.45 – 12:05	Prof. Dr. Jawaad Us Salam	Special Case Management in Neurological Disorders			
12: 05 – 12:25	Dr. Shan Siddiqui	Distinguishing Causes from Correlations When Mapping Human Brain Functions			
12:25 – 12:45	Dr. Zehra Batool	From Fragrance to Function: Geraniol Rewires the KEAP1-NRF2 Pathway to Rescue Memory			
12:45 - 13:05	Dr. Farina Hanif	From Cancer to Psychiatry: Transcribed Ultra Conserved Regions Dysregulated in Breast Cancer Constitute a Novel Diagnostic Signature in Schizophrenia			
13:05 – 14:40	Oral Session 1	Oral Session 2	Oral Session 3	Oral Session 4	Tutorial Rooms, Pharmacy Building C, DUHS, Ojha Campus
	Saleem Ajmal	Rida Noor	Lubna Khan	Clara H. Whyte	
	Dr. Rashna	Vinesh Kumar	Rehan Rodnani	Areeb Ahmed	
	Dr Muhammad Ahsan	Kulsoom Syed	Qura-ul-ain Amir	Manal Fatima Ali	
	Syeda Muneeba Bukhari	M Anas Shamsi	M. Ahmed Attari	Dua Niaz	
	Omar Ahmed Khan	Farheen M. Arif	Dr. Urooj Qureshi	Maha Shahid	
	Sheeba Wajid	Mahrukh Akram	Dr. Laraib Liaquat	Dua Joyyo	
	Paras sheikh	Ashish Kumar	Mahwish Fatima	Ramlah Nadeem	
	Saima Naseem	Tahir Yamin	Muhammad Arif	Anoop Kumar	

	Madiha Khan	Tahreem Sajjad	Dr Iffat Raza	Marvi Talpur	
	Aquib Shahzad		Maleeha Begum	Esha Shehzad	
14.45	Lunch and networking				

Oral Session 1	
Venue: Ground floor auditorium, Pharmacy Building C	
Name	Titles
Saleem Ajmal	The Spiral of Self: An Autoethnographic Study of an Integrative, Bio-Neuro-Psycho-Socio-Spiritual Approach to Psychosomatic Resolution and Individuation
Dr. Rashna	Antinuclear Antibody Positivity and Fluorescence Patterns in Neurological Diseases with Suspected Autoimmune Etiology
Dr Muhammad Ahsan	Evaluation of obsessive-compulsive symptoms and their impact on academic performance among medical students in Larkana: a cross-sectional study
Syeda Muneeba Bukhari	Binaural Beats for the Betterment of Mood States in Individuals with Autism Spectrum Disorder
Omar Ahmed Khan	Proof of Concept for an EEG-Based Brain–Computer Interface for Assistive Communication
Sheeba Wajid	Ampyrone (4-Amino antipyrine) N, N'-disubstituted benzylamine analogues as selected and potent butyrylcholinesterase and amyloid-beta (A β -42) aggregation inhibitors to manage Alzheimer's disease
Paras sheikh	Investigating the Effect of Neurofeedback Technique for Cognitive Enhancement among Autism Spectrum Disorder (ASD) Individuals
Saima Naseem	Redefining Viral Meningitis Diagnosis Using Novel Biomarkers
Madiha Khan	Lived Experiences of Work Overload Among Psychologists Working in Rehabilitation Centers: A Systematic Analysis
Aquib Shahzad	Emotional Intelligence and Self-Esteem in Medical Students: a comparative study of Preclinical and clinical year students

Oral Session 2	
Venue: 2 nd floor tutorial room 1, Pharmacy Building C	
Name	Titles
Rida Noor	Frequency of C-PTSD and Associations between PCOS and CPTSD among women and adolescent in Pakistan
Vinesh Kumar	Avoidant Coping as A Correlate of Imposter Syndrome Among Medical Students of SMBBMU Larkana, Pakistan: A Cross-Sectional Study
Kulsoom Syed	Evaluation of the Anti-glycation Potential of Phenolic Acid Compound and its derivative against Advanced Glycation End Product (AGEs) and associated Memory impairment in Rats.
M Anas Shamsi	Evaluation of Antidepressant Activity and Safety Profile of B-Calm and Barley Water in Comparison with Fluoxetine in Sprague-Dawley Rats
Farheen M. Arif	Early Detection Of Mild Cognitive Impairment In Elderly Population Using QEEG Brain Mapping
Mahrukh Akram	Is Parental Burnout a Predictor of Anxiety in Parents of Children with Autism Spectrum Disorder?
Ashish Kumar	The Climate-Ecology-Virus-Brain Axis: Linking El Niño-Driven Hantavirus Spillover to Neuroinflammation and Neuropsychiatric Disease - A Narrative Review
Tahir Yamin	Silent Health A Privacy-Preserving, Browser-Native Platform for Real-Time Multimodal Neuromotor Biomarker Surveillance in Parkinson's Disease
Tahreem Sajjad	Temporal Myositis: A Rare Case Presenting as Paraneoplastic Syndrome

Oral Session 3	
Venue: 2 nd floor tutorial room 2, Pharmacy Building C	
Name	Titles

Lubna Khan	Neuroprotective and Neuroregenerative Effects of FGF-9 and Small Molecules Induced Neural Progenitor Cells in Alzheimer's Disease Model
Laiba Khan	Suicidal ideation among Medical students in Larkana : Prevalence, associated stressors, and interpretable Risk modeling
Qura-ul-ain	Untouched Territory: Transcribed Ultra-conserved Regions Reveal a Blood-Based ceRNA Regulatory Axis and Diagnostic Signature in Schizophrenia
Muhammad Ahmed Attari	BrainOS: An AI-Driven Neurocognitive Operating System
Dr. Urooj Qureshi	The Code Behind the Cure: In Silico Frontiers in CNS Research
Dr. Laraib Liaquat	Association of Oxidative stress and neuroinflammation with Seizure Frequency and Duration in Patients with Epilepsy: A Case-Control Study
Mahwish Fatima	Investigating the anticancer potential of bioactive compound patuletin on neuroblastoma cell line SH-SY5Y
Muhammad Arif	Beyond IQ and EQ: Adversity Quotient Among Neurosurgical Residents—A Multicenter Study
Maleeha Begum	Neuroprotective Effects For Parkinson's Disease: Zm241385 Compound In Rotenone -Induced Mice Model
Dr Iffat Raza	Modulation of Wnt Signaling Pathway and its Regulators to Target Neurosphere-Derived Glioblastoma Stem Cells Using Small Molecules

Oral Session 4	
Venue: 2 nd floor tutorial room 3, Pharmacy Building C	
Name	Titles
Clara H. White	Integrating Multi-Scale Biomarkers and AI In Neurodevelopmental Diagnosis: Implications for Child Brain Health, Economic Returns, and Policy Decisions.
Areeb Ahmed	Explainable Artificial Intelligence in Neurorehabilitation: A Narrative Review of Clinical Decision Support, Interpretability Frameworks, and Barriers to Physiotherapy Practice
Manal Fatima Ali	Artificial Intelligence and Machine Learning for the Diagnosis of Epilepsy in Low- and Middle-Income Countries - A Scoping Review
Dua Niaz	Patterns & Practices of Self-Medication in Episodic Tension-Type Headache Among the General Public of Karachi, Pakistan: A Cross-Sectional Study
Maha Shahid	Quinic Acid as a Notch Signaling Modulator: Unlocking The Brain's Self-Healing Potential After Ischemic Stroke
Dua Joyyo	Investigation of paraphenylenediamine-induced neuroinflammation and its impact on cognition and synaptic plasticity
Ramlah Nadeem	Exploring Brain Activity During Interaction with Large Language Models
Anoop Kumar	Prevalence of Suicidal Thoughts Among Patients Diagnosed with Major Depressive Disorder Consulting to the Psychiatry Department of Chandka Medical College, Civil Hospital, Larkana.
Marvi Talpur	Restless Minds, Reactive Emotions: Investigating the Emotional and Behavioral Correlates of ADHD symptoms and Academic Performance Among Medical Students.
Esha Shehzad	Integrative Transcriptomic and MRI-Based Dual-Pipeline Artificial Intelligence Framework for Brain Tumor Characterization: From Molecular Biomarkers to Imaging Classification
Manal Fatima Ali	Artificial Intelligence and Machine Learning for the Diagnosis of Epilepsy in Low- and Middle-Income Countries - A Scoping Review

12 ANC: Integrative Approaches Towards Neuroscience and Mental Health

Day 2: 29th July, 2026

Time	Program		Venue
08:45 – 09:40	Plenary Session 3 Biopsychosocial Model of Mental Health Promotion <i>Prof. Dr. Iqbal Afridi</i>		Lecture Hall 1, Ground Floor, Pharmacy Building C
09:40 – 10:10	Keynote Session 2 How Sufism and Spirituality Can Shape Positive Mental Health and Quality of Life Outcomes. <i>Syeda Mehr Mustafa</i>		
10:10 – 10:40	Keynote Session 3 Synthesis of Nanocarriers as Drug Delivery Systems in Neuropharmacology <i>Prof. Dr. Raza Shah</i>		
10:40 – 11:40	Tea Break + poster presentation		
	Invited Session 1 Venue: Auditorium, 1st floor Session Chair: Dr. Abul Hassan		Building C, tutorial Rooms
11:40 – 12:00	Shagufta Yasir	Positive Mindsets, Healthier Lives: The Role Of Positive Psychological Factors in Physical Health and Well-Being	
12:00 – 12:20	Emma Robinson	'Exploring The Neuropsychological Effects of Antidepressants In A Translational Rodent Model'	
12:20 – 12:40	Prof. Dr. Nosheen Fatima	Nuclear Neuropsychiatric Imaging: Expanding The Role from Research to Clinical Practice	
12:40 – 13:00	Prof. Dr. Abul Hassan	Non-Invasive Neurotechnologies	
	Invited Session 2 Venue: 2nd floor, tutorial room 1 Session Chair: Dr. Zoobia Ramzan		
11:40 – 12:00	Dr. Zoobia Ramzan	The Great Generational Sleep Divide	
12:00 – 12:20	Dr. Imran Waggan	Brain Inflammation, Tau and the Path to Dementia in Parkinson’s Disease	
12:20 – 12:40	Dr. Imran M Yousuf	Transformation - 14-Year Cohort of an Integrated Mental Health Care System: Lessons from Clinics, Psychology, Engineering, Religion and Research.	
	Invited Session 3 Venue: 2nd floor, tutorial room 2 Session Chair: Dr. Sonia Siddiqui		
11:40 – 12:00	Prof. Dr. Sonia Siddiqui	Prevalence and Spectrum of Medical Comorbidities in Somatoform Disorder	

12:00 – 12:20	Rakesh Kumar Yadav	Emerging Vaccines Based Treatment Approach for Neurological Diseases.
12:20 – 12:40	Dr. Tajwar Sultana	Neurostimulation and Emotional Health in Chronic TBI.
	Invited Session 4 Venue: 2nd floor, tutorial room 3 Session Chair: Dr. Saima Kashif	
11:40 – 12:00	Dr. Saima Kashif	In Silico Screening of Natural Compounds for Alzheimer's Disease
12:00 – 12:20	Dr Tan Tian Swee	Artificial Intelligence for Next-Generation Brain-Computer Interfaces: From EEG Signals to Intelligent Decision Making
12:20 – 12:40	Prof. Dr. Sumbul Shamim	Ai-Assisted Drug Design: Realities, Challenges And Future Prospects for Neurological Diseases.
13:00 – 14: 15	Panel Discussion Venue: Auditorium, Ground floor Panellists: <i>Prof. Dr. Obaid Ali, Dr. Imran M. Yusuf, Prof. Dr. Ather Enam, Brig. Dr. Shoaib Ahmed, Dr. Sarfaraz Khan, Dr. Nadeem Mehmood, Dr. Syed Saif-ur-Rehman</i>	
14:15 – 14:45	Concluding and Award Ceremony	
14:15 – 14:20	Concluding remarks <i>Prof. Dr. Sameer Qureshi</i>	
14:20 – 14:45	Acknowledgements and awards	
14:45	Lunch	

Lecture Hall 1,
Ground floor,
Pharmacy
Building C