

National Bioethics Committee for Research

Members Professional Profile Form

Full Name	Associate Prof. Dr. Shaper Mirza
Academic Qualification	PhD in Molecular Microbiology-University of Alabama at Birmingham
Designation	Associate Professor
Department/Institute	Department of Life Sciences- Lahore University of Management Sciences
Brief Summary	I am an Associate professor at the Department of Life Sciences, Lahore University of Management Sciences. I received my PhD from the University of Alabama at Birmingham USA. Prior to joining LUMS I worked as an Assistant Professor at the School of Public Health, Department of Epidemiology and Human Genetics- University of Texas, Health Science Center Houston. My research is at the intersection of infectious and communicable diseases, investigating immune responses to pneumococcal vaccines in children the elderly and elderly with type 2-diabetes. My work on population biology of <i>S. pneumoniae</i> is providing evidence on bacterial evolution and its impact on antimicrobial resistance and vaccine escape by <i>S. pneumoniae</i>. My lab provided the first evidence on immune response to pneumococcal vaccines in those with type 2-diabetes in Pakistan. Other topics under investigation in her laboratory include Pneumococcal vaccine immunity and carriage in children in Pakistan, Group B streptococcal carriage in women of childbearing age and neonatal sepsis, extreme heat condition and pregnancy outcomes, and sexual reproductive health-KAP in the era of HPV vaccines To conduct research on human subjects I maintained CITI certification till 2021 and certifications in Good Laboratory Practices and Laboratory Biosafety until 2015. I also serve as the convener of the Institutional Review Board at the LUMS.