

National Bioethics Committee for Research

Members Professional Profile Form

Full Name	Prof. Dr. Shahid Mahmood Baig
Academic Qualification	PhD (Health Genomics)
Designation	Dean of Sciences
Department/Institute	Life Sciences, Health Services Academy (HSA), Islamabad
Brief Summary	Prof. Dr. Shahid Mahmood Baig, HI, SI, FPAS, FSNARE Dr. Baig, a distinguished Pakistani biologist and geneticist, was born in Rawalpindi. He earned his BSc from Gordon College and MSc/MPhil in Biology from Quaid-i-Azam University (QAU), Islamabad, followed by a PhD in prenatal diagnosis of β-thalassemia through a collaborative program of QAU with Bosphorus University, Türkiye. Dr. Baig began his scientific career at NORI (PAEC) and later served for more than two decades at NIBGE (PIEAS–PAEC) as Professor and Head of the Human Molecular Genetics Group. He has held several prestigious positions, including Chairman, Pakistan Science Foundation (2020–2023) and Director General, National Institute of Electronics (2023). He is currently serving as Dean of Life Sciences at the Health Services Academy, Islamabad, while also being a Full Professor (on sabbatical) at Aga Khan University, Karachi. A pioneer in human genetics and disease gene discovery in consanguineous populations, Dr. Baig has identified numerous novel genes and published more than 162 peer-reviewed research papers in world-leading journals such as Nature Genetics, Nature Neuroscience, Nature Communications, Cell Metabolism, and AJHG. His work has been cited over 6,400 times, with an H-index of 44 and i10 index 99. He has supervised 39 PhD students and 10 postdoctoral fellows, and led major national and international research collaborations. Internationally, Dr. Baig has conducted postdoctoral research in the United States and Saudi Arabia, and has held visiting positions at leading universities in Europe and North America. His contributions have been recognized with several prestigious awards, including the Geers Foundation Best Paper Award and Pakistan's highest civil awards in science, the <i>Hilal-i-Imtiaz</i> and <i>Sitara-i-Imtiaz</i>. Looking ahead, Dr. Baig envisions establishing a National Center for Genomic Medicine in Pakistan to advance disease prevention and precision medicine, with a particular focus on populations affected by high consanguinity.