

HEC Grand Challenge Fund (2021)

HEC GCF (2021) (08) research proposals / Joint research submitted worth (PKR 465,163,483.02) for release of Funds for UHS Faculty.

Sr. No	GCF 2021 Project No.	Research Title	PI	UHS Department	Funds Required
1	21369	Integrative genomic, transcriptomic and DNA methylation analysis with potential utility of liquid biopsy-based samples in diagnosis and prognosis of Head and Neck cancer	Dr. Saima Chaudhry	Oral Pathology	PKR 31,579,932
2	21389	OUTCOME OF EXOSOMAL INJECTION IN PATIENTS WITH TRAUMATIC SPINAL CORD INJURY	Dr. Fridoon Jawad Ahmad	Physiology	PKR 80,000,000
3	21178	Investigating the genomic and transcriptomic signatures in common hematological malignancies using liquid biopsy samples	Dr. Muhammad Asif Naveed	Haematology	PKR 37,100,187
4	21188	Sericin: The journey of a cotton protein from bio-waste product to anticancer medicine	Dr. Asim Pervaiz	Institute of Biomedical & Allied Health Science	PKR 4,472,390
5	21095	Development of combined Autosomal and Y-Chromosomal Forensic STR Kit.	Dr. Allah Rakha	Forensic Sciences	PKR 16,927,050

6	21201	The identification of single nucleotide variants to develop genetic biomarkers and identify potential drug targets for amyotrophic lateral sclerosis.	Dr. Midhat Salman	Forensic Sciences	PKR 19,757,241
7	21214	Tackling of COVID-19 Pandemic by Genomic Epidemiological Surveillance of SARS-COV2 and Cellular and Molecular basis of immunity to Viral infection and Vaccination	Dr. Shah Jahan	Immunology	PKR 192,088,000
8	21395	Integrative genetic and epigenetic analysis in healthy ageing and longevity	Dr. Shagufta Khaliq	Human Genetics & Molecular Biology Department	PKR 21,933,702

