

HEC NRPU (2021)

HEC NRPU (2021) (11) research proposals / Joint research submitted worth (PKR 104,668,102.5) for release of Funds for UHS Faculty through UHS ORIC.

Sr. No	NRPU 2021 Project No.	Research Title	PI	UHS Department	Funds Required	Research Type
1	19727	In vivo efficacy of Magnetite (Fe ₃ O ₄) nanoparticles in a mouse model of multidrug-resistant <i>Acinetobacter baumannii</i> pneumonia	Dr. Muhammad Imran	Microbiology	PKR 6,602,882	Applied
2	20256	Genetic Landscape of Acute Lymphoblastic Leukemia: Development of comprehensive genomic Profiling assay to cater local clinical needs.	Dr. Muhammad Asif Naveed	Haematology	PKR 14,433,909	Basic
3	18966	Genetic and Biochemical Characterization of the MRN Complex in Pakistani Patients: A Novel Diagnostic Marker Development for Breast Cancer	Dr. Aisha	Biochemistry	PKR 4,780,188	Basic
4	18458	Development of indigenous region-specific Pak-Filer Forensic STR Kit.	Dr. Allah Rakha	Forensic Sciences	PKR 16,927,049	Applied

5	20595	Molecular characterization of Inherited Growth Hormone Disorders for genetic testing.	Dr. Munir Ahmad	Human Genetics & Molecular Biology	PKR 11,019,331	Applied
6	19841	Frequency of Th17 cell, cytokine levels, and their genetic variants in Guillain-Barre syndrome	Dr. Romeez a Tahir	Immunology	PKR 9,173,248	Basic
7	20510	Molecular docking and Nano based drug delivery of Sulfonyl hydrazone derivative and Aspirin against Triple Negative Breast Cancer (TNBC) to observe their synergistic antiproliferative effect by conducting in-vitro and in-vivo studies	Dr. Usman Aftab	Pharmacology	PKR 3,029,107	Applied
8	20057	Identification of single nucleotide variants to develop genetic biomarkers and identify potential drug targets for Alzheimer's disease.	Dr. Midhat Salman	Forensic Sciences	PKR 19,757,241	Basic
9	19326	Reconstruction of Diaphyseal Critical Bone Defect using Removable Titanium Mesh Cage Loaded with Enriched Bone Substitute	Dr. Uruj Zehra	Anatomy	PKR 8,376,055	Basic
10	20261	Suppression of Cytokine Storm, Airway Inflammation and Lung Remodelling by Exogenous microRNAs.	Dr. Muham mad Shahzad	Pharmacology	PKR 6,755,850	Basic

11	21008	Functional role of selected adipokines, cytokines and gastrointestinal hormones and exploring their relation with expression of CEACAM 1&2 genes in progression of liver disorders in diabetes patients from Pakistan	Dr. Farhat Bano	Biochemistry	PKR 3,813,240	Basic
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