

# REPOSITORY OF RESEARCH SYNOPSSES FOR PHD DEGREE PRESENTED TO ASRB OF UHS

Degree	Student Name	Institute	Research Title	Supervisor	Report Status
PHD Anatomy+A8:F27A2 A8:F20A8:F33A2A8:F20A8:F39A2A8:F20A8:F47A2A8:F20A8:FA8:F20	Dr. Ansa Rabia	UHS Lahore	Morphology and family-based genetic association study in autism spectrum disorders	Prof. Dr. Muhammad Tahir	Approved
PHD Anatomy+A8:F27A2 A8:F20A8:F33A2A8:F20A8:F39A2A8:F20A8:F47A2A8:F20A8:FA8:F20	Dr. Fahim Haider Jafari	UHS Lahore	A Histological study of human olfactory Mucosa: Its regional distribution with age and gender related considerations	Prof. Dr. Muhammad Tahir	Approved
PHD Anatomy+A8:F27A2 A8:F20A8:F33A2A8:F20A8:F39A2A8:F20A8:F47A2A8:F20A8:FA8:F20	Dr. Mamoon Nasim	UHS Lahore	Effect of aluminium sulphate on intrauterine growth and development of mouse embryo	Prof. Dr. Muhammad Tahir	Approved
PHD Anatomy+A8:F27A2 A8:F20A8:F33A2A8:F20A8:F39A2A8:F20A8:F47A2A8:F20A8:FA8:F20	Dr. Shahdab Ahmed Butt	UHS Lahore	Effects of ultrasound on the ovary and pregnancy	Dr. Saqib Mahmood	Approved
PHD Anatomy+A8:F27A2 A8:F20A8:F33A2A8:F20A8:F39A2A8:F20A8:F47A2A8:F20A8:FA8:F20	Dr. Taquayya Sultana Abidi	UHS Lahore	Histological evaluation of role of BCG in chemically induced carcinoma of rat mammary gland	Prof. Dr. Naseer Ahmad Chaudhry	Approved
PHD Anatomy+A8:F27A2 A8:F20A8:F33A2A8:F20A8:F39A2A8:F20A8:F47A2A8:F20A8:FA8:F20	Dr. Mariyah Hidayat	UHS Lahore	Effect of Melatonin on the development of brain in Albino Rats during Maternal hypothyroidism	Prof. Dr. Muhammad Tahir	Approved
PHD Anatomy+A8:F27A2 A8:F20A8:F33A2A8:F20A8:F39A2A8:F20A8:F47A2A8:F20A8:FA8:F20	Dr. Amber Salman	UHS Lahore	Change in the cartilaginous and their correlation with its bony endplate junction and adjacent disc: a radiological, macroscopic, microscopic and ultra-microstructural study.	Dr. Urur Zehra	Approved
PHD Cellular & Molecular Biology	Mr. Muhammad Imran	UHS Lahore	Molecular Markers of susceptibility to prion diseases in local human and domesticated bovids	Dr. Saqib Mahmood	Approved
PHD Chemical Pathology	Dr. Asim Mumtaz	UHS Lahore	Angiotensin converting enzyme gene polymorphism in patients of Type 1 Diabetes Mellitus with Nephropathy	Maj. Gen. Farooq Ahmad Khan	Approved

Degree	Student Name	Institute	Research Title	Supervisor	Report Status
PHD Chemical Pathology	Dr. Sumbla Ghaznavi	UHS Lahore	Circulating levels of vitamin D in malnourished children suffering from acute respiratory tract infection are associate with single nucleotide polymorphisms in vitamin D metabolic pathway	Prof. Dr. Khalid Pervaiz Lone	Approved
PHD Clinical Psychology	Dr. Nashi Khan	UHS Lahore	Dhat Syndrome: Its Physical and Psychological Implications	Prof. Dr. Rukhsana Kausar	Approved
PHD Community Medicine	Dr. Naheed Humayun Sheikh	UHS Lahore	Determinants of reproductive health behavior among married females and impact of behavioral change communication on the knowledge regarding reproductive health	Prof. Dr. Shakila Zaman	Approved
PHD Community Medicine	Dr. Rubina Mumtaz	UHS Lahore	A qualitative evaluation of the role of gender in use of smokeless tobacco in punjab, Pakistan	Dr. Saqib Mahmood	Pending
PHD Forensic Pathology	Dr. Waseem Haider	UHS Lahore	Characterisation of Y-STR in sexual assault victims & Collection of allele frequencies and haplotypes in punjab	Prof. Abdul Hannan Nagi	Approved
PHD Forensic Sciences	Ms. Zeenat Salahuddin	UHS Lahore	Predictive modelling of nose shape variations on the basis of known genetic association	Dr. Allah Rakha	Approved
PHD Forensic Sciences	Mr. Muhammad Jawad	UHS Lahore	DNA phenotyping of facial hair pattern prediction for forensic facial reconstruction	Dr. Allah Rakha	Approved
PHD Forensic Sciences	Mr. Shahid Nazir	UHS Lahore	Evaluation of discrimination power of RM-YSTR till 4th generation in Pakistani population	Dr. Allah Rakha	Pending
PHD Forensic Sciences	Ms. Saadia Noreen	UHS Lahore	Construction of EarPlex: A predictive model for external ear phenotype	Dr. Allah Rakha	Pending
PHD Forensic Sciences	Muhammad Farhan Khan	UHS Lahore	Forensic characterization of X chromosomal STRs in Punjabi and Kashmiri population	Prof. Dr. Allah Rakha	Approved
PHD Forensic Sciences	Dr. Zulfiqar Ali	UHS Lahore	Nanohybrid sensing platform for the estimation of vitreous humor potassium level in relation to determination of time since death in human cadavers	Prof. Dr. Allah Rakha	Approved
PHD General Surgery	Dr. Samina Khokhar	UHS Lahore	Prediction of efficacy of chemotherapy in breast cancer development of efficacy index	Prof. Dr. Naseer Ahmad Chaudhry	Approved
PHD General Surgery	Prof. Dr. Abdul Mannan Babar	PGMI Lahore	Keloids and hypertrophic scars: Treatment with intralesional interferon gamma versus triamcinolone acetonide	Prof. Abdul Hannan Nagi	Approved
PHD Human Genetics & Molecular Biology	Dr. Ali Amar	UHS Lahore	Genetic analysis of kidney stone disease in the Pakistani population	Dr. Shagufta Khaliq	Approved
PHD Human Genetics & Molecular Biology	Dr. Humaira Ehsan Wyne	UHS Lahore	Genetic and pathophysiological role of coupling factor 6 in coronary artery disease	Prof. Dr. Muhammad Aslam Khan	Approved
PHD Human Genetics & Molecular Biology	Dr. Shahzad Bhatti	UHS Lahore	Genetic polymorphism of mitochondrial control region as a tool for forensic discrimination and comparison of its diversity among various ethnic groups of Pakistan	Prof. Dr. Muhammad Aslam Khan	Approved
PHD Human Genetics & Molecular Biology	Mian Sahib Zar	UHS Lahore	Ecogenetics of non-syndromic recessive mental retardation in isolated tribes of Buner Pakistan	Prof. Dr. Muhammad Aslam Khan	Pending

Degree	Student Name	Institute	Research Title	Supervisor	Report Status
PHD Human Genetics & Molecular Biology	Mr. Ateeq Ashraf	UHS Lahore	Expression profiling, sequencing analysis and in vitro investigations of CXC chemokine receptors in breast cancer	Dr. Asim Pervaiz	Approved
PHD Human Genetics & Molecular Biology	Mr. Sajjad Ullah	UHS Lahore	Identification of deafness loci in isolated ethnic tribes of Punjab Pakistan	Prof. Dr. Muhammad Aslam Khan	Approved
PHD Human Genetics & Molecular Biology	Mrs. Ghazala Rubi	UHS Lahore	Ecology and genetics of susceptibility of HCV RNA virus gene in various isonym groups in Pakistan	Prof. Dr. Muhammad Aslam Khan	Approved
PHD Human Genetics & Molecular Biology	Ms. Ayesha Afzal	UHS Lahore	Genetic profiling of patients with urolithiasis and characterization of the functional variants of citrate (SLC13A2) and oxalate (SLC26A6) homeostasis genes	Prof. Dr. Shagufta Khaliq	Approved
PHD Human Genetics & Molecular Biology	Ms. Madiha Shakoor	UHS Lahore	Analysis of ITGA2B and ITGB3 gene mutations in patients with glanzmann thrombasthenia	Prof. Dr. Shagufta Khaliq	Approved
PHD Human Genetics & Molecular Biology	Ms. Sana Iqbal	UHS Lahore	In vitro investigations to explore anticancer effects of a silkworm protein (Sericin) against colorectal cancer cells	Dr. Asim Pervaiz	Approved
PHD Human Genetics & Molecular Biology	Ms. Shamila Habib	UHS Lahore	Contribution of human APOBEC 3 genes and HIV-1 sub-types specific mutations to the overall mutation rate of HIV-1	Dr. Saqib Mahmood	Approved
PHD Human Genetics & Molecular Biology	Ms. Sobia Rana	UHS Lahore	Expression of circadian clock and cell cycle genes in chronic lymphocytic leukaemia	Dr. Saqib Mahmood	Approved
PHD Human Genetics & Molecular Biology	Mr. Muhammad Aiman Shahzad	UHS Lahore	Erfosine mediated anti-neoplastic effects and regulation of cell survival, cell cycle and apoptosis pathways in breast cancer cells	Dr. Asim Pervaiz	Pending
PHD Human Genetics & Molecular Biology	Mr. Najeeb Ullah	UHS Lahore	Genetic and molecular analysis of congenital cataract affected families from Baluchistan	Dr. Munir Ahmad	Approved
PHD Immunology	Dr. Farhana Shahzad	UHS Lahore	HLA profile and immuno markers in methotrexate responders and non-responders juvenile idiopathic arthritis patients	Prof. Dr. Nadeem Afzal	Approved
PHD Immunology	Dr. Muhammad Kashif	UHS Lahore	Cancer stem cells in head and neck squamous cell carcinoma with and without human papilloma virus	Dr. Nadeem Afzal	Approved
PHD Immunology	Dr. Nadeem Afzal	UHS Lahore	The role of Genetics and Immune Mechanisms in the Pathogenesis of Diabetic Retinopathy	Prof. Abdul Hannan Nagi	Approved
PHD Immunology	Mr. Faheem Shahzad	UHS Lahore	Genetic variation, expression of immune response genes and cell surface markers in <i>Mycobacterium tuberculosis</i> infection with and without rifampicin resistance	Dr. Nadeem Afzal	Approved
PHD Immunology	Mr. Khursheed Javaid	UHS Lahore	Genetic variations and expression analysis of GIMAP4, INF- $\gamma$ and IL-17 patients with and without drug resistance	Prof. Dr. Nadeem Afzal	Approved
PHD Immunology	Ms. Almina Shafiq	UHS Lahore	Whole genomic sequencing, expression and gene variation analysis of SARS-CoV-2 and host genes (ACE-2, TLR, @ and 4) and immunological pattern in Covid-19 local patients	Dr. Shah Jahan	Approved
PHD Medical Education	Dr. Junaid Sarfraz Khan	UHS Lahore	The relationship of awards of various components of MBBS Final Professional Examination and the effectiveness of each in the evaluation process	Prof. J SG Biggs	Approved
PHD Medical Education	Dr. Khalid Masood Gondal	UHS Lahore	The effect of electronic log book system in shaping the supervisor supervisee relationship and training environment of postgraduate residents of CPSP	Prof. Junaid Sarfraz Khan	Approved
PHD Medical Education	Dr. Ihsan Ul Haq Wafa	UHS Lahore	Developing a model for mentoring in academic scholarship in post graduate medical education	Prof. Dr. Shakila Zaman	Approved
PHD Medical Education	Dr. Zohra Khanum	UHS Lahore	Challenges in Health care delivery services in Public sector Hospitals	Prof. Junaid Sarfraz Khan	Pending
PHD Microbiology	Dr. Faiqa Arshad	UHS Lahore	Vancomycin MIC creep and identification of novel clonal types of <i>mecA</i> and <i>mecC</i> positive methicillin resistant <i>staphylococcus aureus</i>	Dr. Sidra Saleem	Approved

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PHD Microbiology	Dr. Muhammad Barkaat Hussain	UHS Lahore	Screening of Pakistani honeys for antibacterial potential against <i>Salmonella typhi</i>	Prof. Dr. Naeem Akhtar	Approved
PHD Microbiology	Dr. Muhammad Shahbaz Hussain	UHS Lahore	Detection and molecular characterization of MDR and XDR isolates of <i>Mycobacterium tuberculosis</i> from patients in Tertiary Care Hospital of Sothern Punjab	Prof. Dr. Sidrah Saleem	Approved
PHD Microbiology	Dr. Sadia Ch	UHS Lahore	Efficacy of honey against multidrug resistant <i>Mycobacterium tuberculosis</i> (MDR-MTB) in a mouse model	Prof. Abdul Hannan Nagi	Approved
PHD Microbiology	Dr. Umaira Ahsan	UHS Lahore	Genetic analysis of colistin resistance and associated virulence features and antimicrobial effect of <i>Sausurea Lappa</i> in <i>Acinetobacter baumannii</i>	Dr. Irfan Ahmad	Approved
PHD Microbiology	Dr. Zill-e-Huma	UHS Lahore	Molecular characterization and drug susseptibility pattern of multidrug resistant candida species and in-vitro efficacy of synthetic organic compounds	Dr. Sidrah Saleem	Approved
PHD Microbiology	Mr. Aamir Jamal Gondal	UHS Lahore	Molecular characterization of <i>klebsiella pneumoniae</i> carbapennemases in gram negative bacilli and in vitro efficacy of silver nanoparticles	Dr. Shah Jahan	Approved
PHD Microbiology	Mr. Abdul Waheed	UHS Lahore	Molecular diversity and drug resistant mechanisms in <i>Mycobacterium tuberculosis</i> and in vitro efficacy of synthetic novel compounds against resistant clinical isolates	Dr. Shah Jahan	Approved
PHD Microbiology	Mr. Junaid Akhtar	UHS Lahore	In-vitro activity bacteriophages against carbapenem and fluoroquinolone resistant gram negative rods	Dr. Muhammad Imran	Approved
PHD Microbiology	Ms. Fizza Khalid	UHS Lahore	Characterization of locally isolated <i>acinetobacter baumannii</i> strains for drug resistance and biofilm formation	Dr. Irfan Ahmad	Approved
PHD Microbiology	Muhammad Usman Qamar	UHS Lahore	Molecular characterization of New Delhi Metallo- $\beta$ -lactamase (NDM) producing microorganisms and efficacy of Manuka honey against NDM positive strains in mouse model	Dr. Shah Jahan	Approved
PHD Microbiology	Sidrah Saleem	UHS Lahore	Efficacy of honey against methicillin resistant <i>Staphylococcus aureus</i> systemic infection in mouse model	Prof. Dr. Naeem Akhtar	Approved

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PHD Microbiology	Dr. Humera Javed	UHS Lahore	<b>Microbiological and molecular characterization of plasmid mediated colistin resistance in gram negative rods isolated from humans and animals</b>	Dr. Shah Jahan	Approved
PHD Microbiology	Dr. Kokab Jabeen	UHS Lahore	<b>Molecular characterization of extensively drug resistant <i>Salmonella</i> serovar <i>typhi</i> and in-vitro activity of ceftazidime-avibactam against XDR <i>S. typhi</i></b>	Dr. Sidrah Saleem	Approved
PHD Microbiology	Ms. Samreen Sarwar	UHS Lahore	<b>Detection of disinfectant resistant genes, distribution and susceptibility to disinfectants of clinically important bacteria isolated from the hospital environment in tertiary care hospital in Lahore</b>	Dr. Sidrah Saleem	Approved
PHD Microbiology	Dr. Alia Batool	UHS Lahore	<b>Efficacy of magnetite (<math>Fe_3O_4</math>) nanoparticles in a mouse model of carbapenem resistant <i>Acinetobacter baumannii</i> associated pneumonia</b>	Dr. Muhammad Imran	Approved
PHD Morbid Anatomy & Histopathology	Dr. Azhar Qayyum	UHS Lahore	<b>KRAS oncogenic mutation pattern in Pakistani patients presenting with colorectal carcinoma in northern tertiary referral centre</b>	Prof. Abdul Hannan Nagi	Approved
PHD Morbid Anatomy & Histopathology	Dr. Bushra Nisar	UHS Lahore	<b>Classification of cervical cytological changes with serological and molecular characterization of sexually transmitted viral infections in females of local population</b>	Prof. Dr. Nadia Naseem	Approved
PHD Morbid Anatomy & Histopathology	Dr. Farah Bano Niazi	UHS Lahore	<b>Mutation and expression analysis of leucocyte specific protein-1 and its correlation with relevant cell cycle markers in hepatocellular carcinoma</b>	Prof. Abdul Hannan Nagi	Approved
PHD Morbid Anatomy & Histopathology	Dr. Muhammad Usman Shamas	UHS Lahore	<b>Expression and mutational analysis of epigenetic regulator EZH2 and its related genes in squamous cell carcinomas of skin</b>	Prof. Abdul Hannan Nagi	Approved
PHD Morbid Anatomy & Histopathology	Dr. Nadia Naseem	UHS Lahore	<b>Immunohistochemical and genetic characterization of muscular dystrophies in local patients</b>	Prof. Abdul Hannan Nagi	Approved
PHD Morbid Anatomy & Histopathology	Dr. Nausheen Henna	UHS Lahore	<b>Panel of five stratification genes expression in invasive ductal breast carcinoma</b>	Prof. Abdul Hannan Nagi	Approved
PHD Morbid Anatomy & Histopathology	Dr. Atika Masood	UHS Lahore	<b>Mutations in cancer susceptibility genes and expression of poly ADP-ribose protein in relation to chemotherapy response in patients with surface epithelial ovarian carcinoma</b>	Prof. Dr. Nadia Naseem & Dr. Saba Khaliq	Approved

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PHD Morbid Anatomy & Histopathology	Dr. Rahat Sarfraz	UHS Lahore	Analysis of copy number variants and their protein expression in response to treatment in serous ovarian cancer patients	Prof. Dr. Nadia Naseem	Approved
PHD Morbid Anatomy & Histopathology	Dr. Mahvish Hussain	UHS Lahore	Novel biomarkers of risk stratification and predictive outcome in distinct histological subtypes of medulloblastoma in local pediatric population	Prof. Dr. Nadia Naseem	Approved
PHD Oral Pathology	Dr. Rabia Anjum	UHS Lahore	Single nucleotide polymorphisms in WNT5A ROR2, PRICKLE1 and DVL2 genes of WNT signalling pathway in patients with non-syndromic cleft lip and palates	Prof. Abdul Hannan Nagi	Pending
PHD Oral Pathology	Dr. Rabia Safdar	UHS Lahore	Gene expression & Methylation status of PIK3CA & PTEN in head & neck squamous cell carcinoma patients receiving concurrent chemoradiotherapy (CCRT)"	Prof. Nadia Naseem & Dr. Saima Ch.	Approved
PHD Oral Pathology	Dr. Nauman Rauf	UHS Lahore	miRNA differential expression analysis of head neck squamous cell carcinoma patients and healthy control group in relation to surgical therapy and HNSCC tissue section with healthy tissue counterpart	Dr. Saima Chaudhry	Pending
PHD Pharmacology	Dr. Adnan Jehangir	UHS Lahore	Immunomodulatory effect of Zinc and Iron Complexes of Triterpene acids ( Ursolic acid and oleanolic acid) in Rat Model of Allergic asthma	Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Muhammad Imran Ashraf	UHS Lahore	Anti-inflammatory effect of salicylaldehyde derivative of the pregabalin in the rat model of Freund's complete adjuvant induced arthritis	Prof. Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Rabiea Munir	UHS Lahore	Rasagiline pharmacokinetics in CYP1A2 variant healthy smokers and non smokers in different doses	Prof. Dr. Naseem Saud Ahmad	Approved
PHD Pharmacology	Mr. Abdullah Abdo Albajali	UHS Lahore	Association between insulin resistance and eNOS G894T, IRS-1 G972Arg and PC-1 K121Q gene polymorphisms in type 2 diabetic patients	Dr. Muhammad Shahzad	Pending
PHD Pharmacology	Mr. Arham Shabbir	UHS Lahore	Anti-Arthritic activity of derivatives of compound 'N'-Arylmethylidene-2-(3,4-dimethyl-5,5dioxidopyrazolo[4,3-c][1,2]benzothiazin-2(4H)YL)acetohydrazide' in rat model	Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Najiba Qamar	UHS Lahore	Anti-Inflammatory and immunoregulatory effect of 2-nitoraniline derivative of gallic acid and its metal complexes in murine model of ovalbumin-induced allergic asthma	Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Muhammad Shoaib Zafar	UHS Lahore	Immunomodulatory effect of salicylaldehyde and benzaldehyde derivatives of pregabalin and their metal complex (Copper and Zinc) on acute lung remodelling	Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Saba Tariq	UHS Lahore	Effect of bisphosphonate therapy on novel adipokines and osteoprotegerin (OPG and Association of osteoprotegerin (OPG) gene polymorphisms in postmenopausal osteoporotic females	Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Moneeb Ashraf	UHS Lahore	Anticancer effect of glycyrrhizin against breast cancer in comparison with tamoxifen	Prof. Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Ms. Khush Bakhat Kiran	UHS Lahore	Designing of spike protein multi-epitope subunit vaccine of SARS-CoV-2 and evaluation of its immunogenic response	Prof. Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Tehseen Abaid	UHS Lahore	D-carvone ameliorate bone loss in rat model of osteoporosis by inhibition of RANKL stimulated upregulation of osteoclastogenic transcription factors in comparison with zoledronate	Prof. Dr. Muhammad Shahzad	Approved
PHD Pharmacology	Dr. Naveed Suleman	UHS Lahore	Immunomodulatory effect of 2-acetamidophenol in rat model of airway inflation and lung remodeling	Prof. Dr. Muhammad Shahzad	Approved
PHD Physiology	Dr. Adeela Shahid	UHS Lahore	Genetic variants in the leptin, leptin receptor and FTO genes in obese Pakistani population	Prof. Dr. Abdul Nasir	Approved
PHD Physiology	Dr. Afia Hasnain	UHS Lahore	Clinical appraisal serum total IgE, cortisol, ACTh and interleukin 13 polymorphisms in Local asthmatic population	Dr. Muhammad Nawaz	Approved
PHD Physiology	Dr. Asima Karim	UHS Lahore	Growth, Obesity and pubertal development pattern in school girls of the Punjab	Prof. Dr. Abdul Nasir	Approved
PHD Physiology	Dr. Hafiz Muhammad Waseem	UHS Lahore	Comparison of differential expression of miRNAs and their effect of lipids, anti-oxidants, anti-inflammatory biomarkers and pregnancy related hormone levels in females having normal pregnancy and pregnancy with gestational diabetes mellitus	Dr. Saba Khaliq	Approved
PHD Physiology	Dr. Sundus Tariq	UHS Lahore	Association of Adipokines, FGF21 and their genetic variants with bone mineral density in postmenopausal women	Prof. Dr. Khalid Pervaiz Lone	Approved
PHD Physiology	Dr. Uzma Zafar	UHS Lahore	Genetic Variants and hormone levels in metabolic syndrome	Prof. Dr. Khalid Pervaiz Lone	Approved
PHD Physiology	Dr. Zaima Ali	UHS Lahore	Placental specific micro RNAs related to genes expressed in angiogenesis and apoptosis in preeclamptic & normotensive women	Prof. Dr. Khalid Pervaiz Lone	Approved

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PHD Physiology	Dr. Rizwan Hussain	UHS Lahore	Comparison of relative expression of P13K/AKT/mTOR cascade and related miRNAs in ovarian cancer and healthy women	Dr. Khalid Perviaz Lone	Approved
PHD Physiology	Dr. Ambreen Tauseef	UHS Lahore	Proteomic profiling and identification of novel biomarkers in infertile polycystic ovary syndrome and ovarian cancer women	Dr. Asima Karim	Approved
PHD Physiology	Dr. Huma Saeed Khan	UHS Lahore	Pathophysiology of long non-coding RNA in patients of type II diabetes mellitus with and without diabetic kidney disease	Dr. Saba Khaliq	Pending
PHD Physiology & Cell Biology	Dr. Faraz Ahmed Bokhari	UHS Lahore	Inflammation in stroke: Correlation of cytokines (TNF-Alpha, IL-4) and homocysteine in stroke	Dr. Saqib Mahmood	Approved

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PHD Physiology & Cell Biology	Dr. Rafique Ahmad Khan	UHS Lahore	Plasma homocysteine levels and C677T-MTHFR polymorphism in a sample population of stroke patients	Dr. Saqib Mahmood	Pending
PHD Prosthodontics	Dr. Bilal Ahmed	UHS Lahore	Clinical and Genetic studies in families with tooth agenesis	Prof. Dr. Nazia Yazdanie	Approved
PHD Psychiatry	Lt. Col. Dr. Sohail Ali	UHS Lahore	Psychobiological outcomes of psychotrauma amongst survivors of man made disaster	Prof. David Alan Alexander	Approved
PHD Biochemistry	Dr. Iram Fayyaz	UHS Lahore	Biochemical & molecular analysis of candidate biomarkers in patients of rheumatoid arthritis and health controls	Dr. Saba Khaliq	Approved
PHD Biochemistry	Dr. Muhammad Shakil	UHS Lahore	Identification of genetic mutations causing familial oculocutaneous albinism (OCA) in Pakistani families and elucidation of biochemical mechanism of disease	Dr. Saqib Mahmood	Approved
PHD Biochemistry	Mr. Shabbir Hussain	UHS Lahore	Role of metabolomic changes in diagnosis and assessment of treatment response in acute myeloid leukemia	Dr. Farhat Bano	Approved
PHD Biochemistry	Ms. Nadia Rasheed	UHS Lahore	Anti-arthritic potential of phenol enriched fractions of Neurada Procumbens in complete Freund's adjuvant (CFA) induced arthritic animal model	Dr. Farhat Bano	Approved
PHD Haematology	Dr. Aisha Hameed	UHS Lahore	Clinico-haematological & molecular characterization of patients with chronic lymphocytic leukemia	Prof. Dr. Shagufta Khaliq	Approved
PHD Haematology	Dr. Mizna Arif	UHS Lahore	Genomic profile of myeloproliferative neoplasms in patients presenting at tertiary care centre	Prof. Dr. Shagufta Khaliq	Approved
PHD Haematology	Dr. Muhammad Asif Naveed	UHS Lahore	Genetic and epigenetic alterations in type III von Willebrand disease	Brig. (Retd) Dr. Nadir Ali	Approved
PHD Haematology	Dr. Shabnam Bashir	UHS Lahore	Analysis of quantitative trait loci (QTLs): HBG2, BCL11A, KLF1 and HBS1L genetic variants in patients with beta thalassemia syndromes	Dr. Saqib Mahmood	Approved
PHD Human Genetics & Molecular Biology	Ms. Osheen Sajjad	UHS Lahore	Integrated genomic and transcriptomic profile of pediatric B-ALL patients	Prof. Dr. Saqib Mahmood	Approved

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PHD Anatomy	Dr. Fahim Haider Jafari	UHS	A Histological study of human olfactory Mucosa: Its regional distributaion with age and gender related considerations	Prof. Dr. Muhammad Tahir	Approved
PHD Clinical Psychology	Dr, Nashi Khan	UHS	Dhat Syndrome: Its Physical and Psychological Implications	Prof. Dr. Rukhsana Kausar	Approved
PHD Physiology	Dr. Afia Hasnain	UHS	Clinical appraisal serum total IgE, cortisol, ACTh and interleukin 13 polymorphisms in Local asthmatic population	Dr. Muhammad Nawaz	Approved
PHD Human Genetics & Molecular Biology	Ms. Sobia Rana	UHS	Expression of circadian clock and cell cycle genes in chronic lymphocytic leukaemia	Dr. Saqib Mahmood	Approved
PHD Forensic Pathology	Dr. Waseem Haider	UHS	Characterisation of Y-STR in sexual assault victims & Collection of allele frequencies and haplotypes in punjab	Prof. Abdul Hannan Nagi	Approved
PHD Microbiology	Dr. Muhammad Barkaat Hussain	UHS	Screening of Pakistani honeys for antibacterial potential against <i>Salmonella typhi</i>	Prof. Dr. Naeem Akhtar	Approved
PHD Human Genetics & Molecular Biology	Mrs. Ghazala Rubi	UHS	Ecology and genetics of susceptibility of HCV RNA virus gene in various isonym groups in Pakistan	Prof. Dr. Muhammad Aslam Khan	Approved
PHD General Surgery	Prof. Dr. Abdul Mannan Babar	UHS	Keloids and hypertrophic scars: Treatment with intralesional interferon gamma versus triamcinolone acetonide	Prof. Abdul Hannan Nagi	Approved
PHD Physiology	Dr. Adeela Shahid	UHS	Genetic variants in the leptin, leptin receptor and FTO genes in obese Pakistani population	Prof. Dr. Abdul Nasir	Approved
PHD Physiology	Dr. Asima Karim	UHS	Growth, Obesity and pubertal development pattern in school girls of the Punjab	Prof. Dr. Abdul Nasir	Approved
PHD Human Genetics & Molecular Biology	Mr. Sajjad Ullah	UHS	Identification of deafness loci in isolated ethnic tribes of Punjab Pakistan	Prof. Dr. Muhammad Aslam Khan	Approved
PHD Psychiatry	Lt. Col. Dr. Sohail Ali	UHS	Psychobiological outcomes of psychotrauma amongst survivors of man made disaster	Prof. David Alan Alexander	Approved
PHD Immunology	Dr. Nadeem Afzal	UHS	The role of Genetics and Immune Mechanisms in the Pathogenesis of Diabetic Retinopathy	Prof. Abdul Hannan Nagi	Approved
PHD Microbiology	Sidrah Saleem	UHS	Efficacy of honey against methicillin resistant <i>Staphylococcus aureus</i> systemic infection in mouse model	Prof. Dr. Naeem Akhtar	Approved
PHD Physiology & Cell Biology	Dr. Faraz Ahmed Bokhari	UHS	Inflammation in stroke: Correlation of cytokines (TNF-Alpha, IL-4) and homocysteine in stroke	Dr. Saqib Mahmood	Approved
PHD Community Medicine	Dr. Rubina Mumtaz	UHS	A qualitative evaluation of the role of gender in use of somkeless tobacco in punjab, Pakistan	Dr. Saqib Mahmood	Pending
PHD Human Genetics & Molecular Biology	Mian Sahib Zar	UHS	Ecogenetics of non-syndromic recessive mental retardation in isolated tribes of Buner Pakistan	Prof. Dr. Muhammad Aslam Khan	Pending
PHD Human Genetics & Molecular Biology	Dr. Shahzad Bhatti	UHS	Genetic polymorphism of mitochondrial control region as a tool for forensic discrimination and comparison of its diversity among various ethnic groups of Pakistan	Prof. Dr. Muhammad Aslam Khan	Approved
PHD Cellular & Molecular Biology	Mr. Muhammad Imran	UHS	Molecular Markers of susceptibility to prion diseases in local human and domesticated bovids	Dr. Saqib Mahmood	Approved
PHD Medical Education	Dr. Junaid Sarfraz Khan	UHS	The relationship of awards of various components of MBBS Final Professional Examination and the effectiveness of each in the evaluation process	Prof. J SG Biggs	Approved
PHD Human Genetics & Molecular Biology	Dr. Humaira Ehsan Wyne	UHS	Genetic and pathophysiological role of coupling factor 6 in coronary artery disease	Prof. Dr. Muhammad Aslam Khan	Approved
PHD Chemical Pathology	Dr. Asim Mumtaz	UHS	Angiotensin converting enzyme gene polymorphism in patients of Type 1 Diabetes Mellitus with Nephropathy	Maj. Gen. Farooq Ahmad Khan	Approved
PHD Anatomy	Dr. Shahdab Ahmed Butt	UHS	Effects of ultrasound on the ovary and pregnancy	Dr. Saqib Mahmood	Approved
PHD Physiology & Cell Biology	Dr. Rafique Ahmad Khan	UHS	Plasma homocysteine levels and C677T-MTHFR polymorphism in a sample population of stroke patients	Dr. Saqib Mahmood	Pending
PHD Anatomy	Dr. Mamoonah Nasim	UHS	Effect of aluminium sulphate on intrauterine growth and development of mouse embryo	Prof. Dr. Muhammad Tahir	Approved
PHD Anatomy	Dr. Taquyya Sultana Abidi	UHS	Histological evaluation of role of BCG in chemically induced carcinoma of rat mammary gland	Prof. Dr. Naseer Ahmad Chaudhry	Approved
PHD Morbid Anatomy & Histopathology	Dr. Azhar Qayyum	UHS	KRAS oncogenic mutation pattern in Pakistani patients presenting with colorectal carcinoma in northern tertiary referral centre	Prof. Abdul Hannan Nagi	Approved
PHD Microbiology	Dr. Sadia Ch	UHS	Efficacy of honey against multidrug resistant <i>Mycobacterium tuberculosis</i> (MDR-MTB) in a mouse model	Prof. Abdul Hannan Nagi	Approved
PHD General Surgery	Dr. Samina Khokhar	UHS	Prediction of efficacy of chemotherapy in breast cancer development of efficacy index	Prof. Dr. Naseer Ahmad Chaudhry	Approved
PHD Morbid Anatomy & Histopathology	Dr. Nadia Naseem	UHS	Immunohistochemical and genetic characterization of muscular dystrophies in local patients	Prof. Abdul Hannan Nagi	Approved
PHD Pharmacology	Mr. Arham Shabbir	UHS	Anti-Arthritic activity of derivatives of compound 'N'-Arylmethylidene-2-(3,4-dimethyl-5,5dioxidopyrazolo[4,3-c][1,2]benzothiazin-2(4H)YL)acetohydrazide' in rat model	Dr. Muhammad Shahzad	Approved

PHD	Pharmacology	Mr. Abdullah Abdo Albajali	UHS	Association between insulin resistance and eNOS G894T, IRS-1 G972Arg and PC-1 K121Q gene polymorphisms in type 2 diabetic patients	Dr. Muhammad Shahzad	Pending
PHD	Prosthodontics	Dr. Bilal Ahmed	UHS	Clinical and Genetic studies in families with tooth agenesis	Prof. Dr. Nazia Yazdanie	Approved
PHD	Community Medicine	Dr. Naheed Humayun Sheikh	UHS	Determinants of reproductive health behavior among married females and impact of behavioral change communication on the knowledge regarding reproductive health	Prof. Dr. Shakila Zaman	Approved
PHD	Chemical Pathology	Dr. Sumbla Ghaznavi	UHS	Circulating levels of vitamin D in malnourished children suffering from acute respiratory tract infection are associate with single nucleotide polymorphisms in vitamin D metabolic pathway	Prof. Dr. Khalid Pervaiz Lone	Approved
PHD	Microbiology	Muhammad Usman Qamar	UHS	Molecular characterization of New Delhi Metallo-β-lactamase (NDM) producing microorganisms and efficacy of Manuka honey against NDM positive strains in mouse model	Dr. Shah Jahan	Approved
PHD	Pharmacology	Dr. Adnan Jehangir	UHS	Immunomodulatory effect of Zinc and Iron Complexes of Triterpene acids ( Ursolic acid and oleanolic acid) in Rat Model of Allergic asthma	Dr. Muhammad Shahzad	Approved
PHD	Morbid Anatomy & Histopathology	Dr. Nausheen Henna	UHS	Panel of five stratification genes expression in invasive ductal breast carcinoma	Prof. Abdul Hannan Nagi	Approved
PHD	Morbid Anatomy & Histopathology	Dr. Muhammad Usman Shamas	UHS	Expression and mutational analysis of epigenetic regulator EZH2 and its related genes in squamous cell carcinomas of skin	Prof. Abdul Hannan Nagi	Approved
PHD	Anatomy	Dr. Ansa Rabia	UHS	Morphology and family-based genetic association study in autism spectrum disorders	Prof. Dr. Muhammad Tahir	Approved
PHD	Physiology	Dr. Uzma Zafar	UHS	Genetic Variants and hormone levels in metabolic syndrome	Prof. Dr. Khalid Pervaiz Lone	Approved
PHD	Microbiology	Ms. Fizza Khalid	UHS	Characterization of locally isolated acinetobacter baumannii strains for drug resistance and biofilm formation	Dr. Irfan Ahmad	Approved
PHD	Pharmacology	Dr. Rabiea Munir	UHS	Rasagiline pharmacokinetics in CYP1A2 variant healthy smokers and non smokers in different doses	Prof. Dr. Naseem Saud Ahmad	Approved
PHD	Human Genetics & Molecular Biology	Dr. Ali Amar	UHS	Genetic analysis of kidney stone disease in the pakistani population	Dr. Shagufta Khaliq	Approved
PHD	Immunology	Mr. Faheem Shahzad	UHS	Genetic variation, expression of immune response genes and cell surface markers in Mycobacterium tuberculosis infection with and without rifampicin resistance	Dr. Nadeem Afzal	Approved
PHD	Immunology	Dr. Muhammad Kashif	UHS	Cancer stem cells in head and neck squamous cell carcinoma with and without human papilloma virus	Dr. Nadeem Afzal	Approved
PHD	Microbiology	Mr. Aamir Jamal Gondal	UHS	Molecular characterization of klebsiella pneumoniae carbapenemases in gram negative bacilli and in vitro efficacy of silver nanoparticles	Dr. Shah Jahan	Approved
PHD	Forensic Sciences	Ms. Zeenat Salahuddin	UHS	Predictive modelling of nose shape variations on the basis of known genetic association	Dr. Allah Rakha	Approved
PHD	Morbid Anatomy & Histopathology	Dr. Farah Bano Niazi	UHS	Mutation and expression analysis of leucocyte specific protein-1 and its carrelation with relevant cell cycle markers in hepatocellular carcinoma	Prof. Abdul Hannan Nagi	Approved
PHD	Oral Pathology	Dr. Rabia Anjum	UHS	Single nucleotide polymorphisms in WNT5A ROR2, PRICKLE1 and DVL2 genes of WNT signalling pathway in patients with non-syndromic cleft lip and palates	Prof. Abdul Hannan Nagi	Pending
PHD	Medical Education	Dr. Khalid Masood Gondal	UHS	The effect of electronic log book system in shaping the supervisor supervisee relationship and training environment of postgraduate residents of CPSP	Prof. Junaid Sarfraz Khan	Approved
PHD	Physiology	Dr. Zaima Ali	UHS	Placental specific micro RNAs related to genes expressed in angiogenesis and apoptosis in preeclamptic & normotensive women	Prof. Dr. Khalid Pervaiz Lone	Approved
PHD	Anatomy	Dr. Mariyah Hidayat	UHS	Effect of Melatonin on the development of brain in Albino Rats during Maternal hypothyroidism	Prof. Dr. Muhammad Tahir	Approved
PHD	Medical Education	Dr. Ihsan Ul Haq Wafa	UHS	Developing a model for mentoring in academic scholarship in psot graduate medical education	Prof. Dr. Shakila Zaman	Approved
PHD	Pharmacology	Dr. Najiba Qamar	UHS	Anti-Inflammatory and immunoregulatory effect of 2-nitoraniline derivative of gallic acid and its metal complexes in murine model of ovalbumin-induced allergic asthma	Dr. Muhammad Shahzad	Approved
PHD	Pharmacology	Dr. Muhammad Shoaib Zafar	UHS	Immunomodulatory effect of salicylaldehyde and benzaldehyde derivatives of pregabalin and their metal complex (Copper and Zinc) on acute lung remodelling	Dr. Muhammad Shahzad	Approved
PHD	Forensic Sciences	Mr. Muhammad Jawad	UHS	DNA phenotyping of facial hair pattern prediction for forensic facial reconstruction	Dr. Allah Rakha	Approved
PHD	Pharmacology	Dr. Saba Tariq	UHS	Effect of bisphosphonate therapy on novel adipokines and osteoprotegerin (OPG and Association of osteoprotegerin (OPG) gene polymorphisms in postmenopausal osteoporotic females	Dr. Muhammad Shahzad	Approved
PHD	Biochemistry	Dr. Muhammad Shakil	UHS	Identification of genetic mutations causing familial oculocutaneous albinism (OCA) in Pakistani families and elucidation of biochemical mechanism of disease	Dr. Saqib Mahmood	Approved
PHD	Forensic Sciences	Mr. Shahid Nazir	UHS	Evaluation of discrimination power of RM-YSTR till 4th generation in Pakistani population	Dr. Allah Rakha	Pending
PHD	Haematology	Dr. Muhammad Asif Naveed	UHS	Genetic and epigenetic alterations in type III von Willebrand disease	Brig. (Retd) Dr. Nadir Ali	Approved

PHD	Microbiology	Dr. Humera Javed	UHS	Microbiological and molecular characterization of plasmid mediated colistin resistance in gram negative rods isolated from humans and animals	Dr. Shah Jahan	Approved
PHD	Forensic Sciences	Ms. Saadia Noreen	UHS	Construction of EarPlex: A predictive model for external ear phenotype	Dr. Allah Rakha	Pending
PHD	Physiology	Dr. Sundus Tariq	UHS	Association of Adipokines, FGF21 and their genetic variants with bone mineral density in postmenopausal women	Prof. Dr. Khalid Pervaiz Lone	Approved
PHD	Medical Education	Dr. Zohra Khanum	UHS	Challenges in Heith care delivery services in Public sector Hospitals	Prof. Junaid Sarfraz Khan	Pending
PHD	Haematology	Dr. Shabnam Bashir	UHS	Analysis of quantitative trait loci (QTLs): HBG2, BCL11A, KLF1 and HBS1L genetic variants in patients with beta thalassemia syndromes	Dr. Saqib Mahmood	Approved
PHD	Physiology	Dr. Rizwan Hussain	UHS	Comparison of relative expression of P13K/AKT/mTOR cascade and related miRNAs in ovarian cancer and healthy women	Dr. Khalid Perviaz Lone	Approved
PHD	Immunology	Dr. Farhana Shahzad	UHS	HLA profile and immuno markers in methorexate responders and non-responders juvenile idiopathic arthritis patients	Prof. Dr. Nadeem Afzal	Approved
PHD	Biochemistry	Dr. Iram Fayyaz	UHS	Biochemical & molecular analysis of candidate biomakers in patients of rheumatoid arthritis and health controls	Dr. Saba Khaliq	Approved
PHD	Oral Pathology	Dr. Nauman Rauf	UHS	miRNA differential expression analysis of head neck squamous cell carcinoma patients and healthy control group in relation to surgical therapy and HNSCC tissue section with healthy tissue counterpart	Dr. Saima Chaudhry	Pending
PHD	Microbiology	Dr. Faiqa Arshad	UHS	Vancomycin MIC creep and identification of novel clonal types of mecA and mecC postive methicillin resistant staphylococcus acureus	Dr. Sidrah Saleem	Approved
PHD	Physiology	Dr. Ambreen Tauseef	UHS	Proteomic profiling and identification of novel biomarkers in infertile polycystic ovary dyndrome and ovarian cancer women	Dr. Asima Karim	Approved
PHD	Microbiology	Dr. Kokab Jabeen	UHS	Molecular characterization of extensively drug resistant Salmonella serovar typhi and in-vitro activity of ceftazidime-avibactam against XDR S. typhi	Dr. Sidrah Saleem	Approved
PHD	Microbiology	Dr. Umaira Ahsan	UHS	Genetic analysis of colistin resistance and associated virulence features and antimicrobial effect of Sausurea Lappa in Acinetobacter baumannii	Dr. Irfan Ahmad	Approved
PHD	Immunology	Mr. Khursheed Javaid	UHS	Genetic veriations and expression analysis of GIMAP4, INF- $\gamma$ and IL-17 patients with and without drug resistance	Prof. Dr. Nadeem Afzal	Approved
PHD	Human Genetics & Molecular Biology	Ms. Shamila Habib	UHS	Contribution of human APOBEC 3 genes and HIV-1 sub-types specific mutations to the overall mutation rate of HIV-1	Dr. Saqib Mahmood	Approved
PHD	Physiology	Dr. Hafiz Muhammad Waseem	UHS	Comparison of differential expression of miRNAs and their effect of lipids, anti-oxidants, anti-inflammatory biomarkers and pregnancy related hormone levels in females having normal pregnancy and pregnancy with gestational diabetes mellitus	Dr. Saba Khaliq	Approved
PHD	Morbid Anatomy & Histopathology	Dr. Atika Masood	UHS	Mutations in cancer susceptibility genes and expression of poly ADP-ribose protein in relation to chemotherapy response in patients with surface epithelial ovarian carcinoma	Prof. Dr. Nadia Naseem & Dr. Saba Khaliq	Approved
PHD	Haematology	Dr. Mizna Arif	UHS	Genomic profile of myeloproliferative neoplasms in patients presenting at tertiary care centre	Prof. Dr. Shagufta Khaliq	Approved
PHD	Pharmacology	Dr. Moneeb Ashraf	UHS	Anticancer effect of glycyrrhizin against breast cancer in comparison with tamoxifen	Prof. Dr. Muhammad Shahzad	Approved
PHD	Human Genetics & Molecular Biology	Mr. Muhammad Aiman Shahzad	UHS	Erufosine mediated anti-neoplastic effects and regulation of cell survival, cell cycle and apoptosis pathways in breast cancer cells	Dr. Asim Pervaiz	Pending
PHD	Human Genetics & Molecular Biology	Mr. Najeeb Ullah	UHS	Genetic and molecular analysis of congenital cataract affected families from Baluchistan	Dr. Munir Ahmad	Approved
PHD	Human Genetics & Molecular Biology	Ms. Madiha Shakoor	UHS	Analysis of ITGA2B and ITGB3 gene mutations in patients with glanzmann thrombasthenia	Prof. Dr. Shagufta Khaliq	Approved
PHD	Morbid Anatomy & Histopathology	Dr. Bushra Nisar	UHS	Classification of cervical cytological changes with serological and molecular characterization of sexually transmitted viral infections in females of local population	Prof. Dr. Nadia Naseem	Approved
PHD	Microbiology	Dr. Zill-e-Huma	UHS	Molecular characterization and drug susseptibility pattern of multidrug resistant candida species and in-vitro efficacy of synthetic organic compounds	Dr. Sidrah Saleem	Approved
PHD	Human Genetics & Molecular Biology	Ms. Sana Iqbal	UHS	In vitro investigations to explore anticancer effects of a silkworm protein (Sericin) against colorectal cancer cells	Dr. Asim Pervaiz	Approved
PHD	Haematology	Dr. Aisha Hameed	UHS	Clinico-haematological & molecular characterization of patients with chronic lymphocytic leukemia	Prof. Dr. Shagufta Khaliq	Approved
PHD	Microbiology	Mr. Junaid Akhtar	UHS	In-vitro activity bacteriophages against carbapenem and fluoroquinolone resistant gram negative rods	Dr. Muhammad Imran	Approved
PHD	Morbid Anatomy & Histopathology	Dr. Rahat Sarfraz	UHS	Analysis of copy number variants and their protein expression in response to treatment in serous ovarian cancer patients	Prof. Dr. Nadia Naseem	Approved
PHD	Microbiology	Ms. Samreen Sarwar	UHS	Detection of disinfectant resistant genes, distribution and susceptibility to disinfectants of clinically important bacteria isolated from the hospital enviroment in tertiary care hospital in Lahore	Dr. Sidrah Saleem	Approved

PHD	Human Genetics & Molecular Biology	Ms. Ayesha Afzal	UHS	Genetic profiling of patients with urolithiasis and characterization of the functional variants of citrate (SLC13A2) and oxalate (SLC26A6) homeostasis genes	Prof. Dr. Shagufta Khaliq	Approved
PHD	Human Genetics & Molecular Biology	Mr. Ateeq Ashraf	UHS	Expression profiling, sequencing analysis and in vitro investigations of CXC chemokine receptors in breast cancer	Dr. Asim Pervaiz	Approved
PHD	Microbiology	Mr. Abdul Waheed	UHS	Molecular diversity and drug resistant mechanisms in <i>Mycobacterium tuberculosis</i> and in vitro efficacy of synthetic novel compounds against resistant clinical isolates	Dr. Shah Jahan	Approved
PHD	Oral Pathology	Dr. Rabia Safdar	UHS	Gene expression & Methylation status of PIK3CA & PTEN in head & neck squamous cell carcinoma patients receiving concurrent chemoradiotherapy (CCRT)"	Prof. Nadia Naseem & Dr. Saima Ch.	Approved
PHD	Physiology	Dr. Huma Saeed Khan	UHS	Pathophysiology of long non-coding RNA in patients of type II diabetes mellitus with and without diabetic kidney disease	Dr. Saba Khalil	Pending
PHD	Anatomy	Dr. Amber Salman	UHS	Change in the cartilaginous and their correlation with its bony endplate junction and adjuvant disc: a radiological, macroscopic, microscopic and ultra-microstructural study.	Dr. Uruj Zehra	Approved
PHD	Human Genetics & Molecular Biology	Ms. Osheen Sajjad	UHS	Integrated genomic and transcriptomic profile of pediatric B-ALL patients	Prof. Dr. Saqib Mahmood	Approved
PHD	Biochemistry	Mr. Shabbir Hussain	UHS	Role of metabolomic changes in diagnosis and assessment of treatment response in acute myeloid leukemia	Dr. Farhat Bano	Approved
PHD	Microbiology	Dr. Alia Batool	UHS	Efficacy of magnetite ( $Fe_3O_4$ ) nanoparticles in a mouse model of carbapenem resistant <i>Acinetobacter baumannii</i> associated pneumonia	Dr. Muhammad Imran	Approved
PHD	Immunology	Ms. Almina Shafiq	UHS	Whole genomic sequencing, expression and gene variation analysis of SARS-CoV-2 and host genes (ACE-2, TLR, @ and 4) and immunological pattern in Covid-19 local patients	Dr. Shah Jahan	Approved
PHD	Forensic Sciences	Muhammad Farhan Khan	UHS	Forensic characterization of X chromosomal STRs in Punjabi and Kashmiri population	Prof. Dr. Allah Rakha	Approved
PhD	Forensic Sciences	Dr. Zulfiqar Ali	UHS	Nanohybrid sensing platform for the estimation of vitreous humor potassium level in relation to determination of time since death in human cadavers	Prof. Dr. Allah Rakha	Approved
PhD	Biochemistry	Ms. Nadia Rasheed	UHS	Anti-arthritis potential of phenol enriched fractions of <i>Neurada Procumbens</i> in complete Freund's adjuvant (CFA) induced arthritic animal model	Dr. Farhat Bano	Approved
PhD	Pharmacology	Ms. Khush Bakhat Kiran	UHS	Designing of spike protein multi-epitope subunit vaccine of SARS-CoV-2 and evaluation of its immunogenic response	Prof. Dr. Muhammad Shahzad	Approved
PhD	Pharmacology	Dr. Tehseen Abaid	UHS	D-carvone ameliorate bone loss in rat model of osteoporosis by inhibition of RANKL stimulated upregulation of osteoclastogenic transcription factors in comparison with zoledronate	Prof. Dr. Muhammad Shahzad	Approved
PhD	Pharmacology	Dr. Naveed Suleman	UHS	Immunomodulatory effect of 2-acetamidophenol in rat model of airway inflation and lung remodeling	Prof. Dr. Muhammad Shahzad	Approved
PHD	Microbiology	Dr. Muhammad Shahbaz Hussain	UHS	Detection and molecular characterization of MDR and XDR isolates of <i>Mycobacterium tuberculosis</i> from patients in Tertiary Care Hospital of Sothern Punjab	Prof. Dr. Sidrah Saleem	Approved
PHD	Pharmacology	Dr. Muhammad Imran Ashraf	UHS	Anti-inflammatory effect of salicylaldehyde derivative of the pregabalin in the rat model of Freund's complete adjuvant induced arthritis	Prof. Dr. Muhammad Shahzad	Approved
PHD	Morbid Anatomy & Histopathology	Dr. Mahvish Hussain	UHS	Novel biomarkers of risk stratification and predictive outcome in distinct histological subtypes of medulloblastoma in local pediatric population	Prof. Dr. Nadia Naseem	Approved
PhD	Immunology	Ms. Bushra Mubarak	UHS	Th17 cells, associated cytokines, and genetic variants in Guillan-Barre syndrome	Dr. Romeeza Tahir	Approved
PhD	Forensic Sciences	Dr. Nasreen Ishaque	UHS	Development of novel electrochemical nanosensor based on quantum dots for estimation of time since death by hypoxanthine and L-lactic acid concentration in vitreous humor	Prof. Allah Rakha	Approved
PHD	Pharmacology	Dr. Shazia Asim	UHS	Tumor targeted therapy against triple negative breast cancer using novel sulfonylhydrazone derivatives as potential PARP-1 inhibitor and comparison with doxorubicin	Dr. Usman Aftab	
PHD	Forensic Sciences	Dr. Muhammad Faheem Ashraf	UHS	Designing of diamond nanoparticle-based sensing device for the real time detection of lidocaine and its metabolites with implication in forensic investigations	Prof. Dr. Allah Rakha	Approved
PHD	Forensic Medicine	Mr. Liaqat Ali	UHS	A cross-sectional mixed study of child sexual abuse in all districts of Punjab, Pakistan	Prof. Dr. Allah Rakha	Approved
PHD	Pharmacology	Dr. Ali Rafi	UHS	In-vitro comparison of antiproliferative effects of synthetic Schiff base compounds ABSCH11 and ABSCH15 against MCF-7 and MDA-MB-231 breast cancer cell lines with doxorubicin	Prof. Dr. Muhammad Shahzad	
PHD	Human Genetics & Molecular Biology	Ms. Taqdees Arif	UHS	Reactivation of gamma globin gene with multiplex prime editing by targeting repressor and activator binding sites in gamma globin promoter	Dr. Mahmood Saba	Approved
PHD	Anatomy	Dr. Tayyaba Muzaffar	UHS	Relationship between the anatomical changes of intervertebral discs, vertebral endplates and facet joints in low back pain patients	Prof. Dr. Uruj Zehra	Approved
PHD	Pharmacology	Dr. Ali Rafi	UHS	In-vitro comparison of antiproliferative effects of synthetic Schiff base compounds ABSCH11 and ABSCH15 against MCF-7 and MDA-MB-231 breast cancer cell lines with doxorubicin	Prof. Dr. Muhammad Shahzad	
PHD	Forensic Medicine & Toxicology	Mr. Muhammad Imran	UHS	Identification and characterization of Phase-I metabolites of designer benzodiazepine using commercially available human liver microsomes	Prof. Dr. Allah Rakha	Approved

PHD	Human Genetics & Molecular Biology	Ms. Taqdees Arif	UHS	Reactivation of gamma globin gene with multiplex prime editing by targeting repressor and activator binding sites in gamma globin promoter	Dr. Mahmood Saba	Approved
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