

REPOSITORY OF RESEARCH SYNOPSES FOR **PHD** DEGREE PRESENTED To **ASRB** Of **UHS**

| Degree | Student Name | Institute | Research Title | Supervisor |
|----------------------------------|----------------------------|------------|---|---------------------------------|
| PHD Anatomy | Dr. Ansa Rabia | UHS Lahore | Morphology and family-based genetic association study in autism spectrum disorders | Prof. Dr. Muhammad Tahir |
| PHD Anatomy | Dr. Fahim Haider Jafari | UHS Lahore | A Histological study of human olfactory Mucosa: Its regional distributaion with age and gender related considerations | Prof. Dr. Muhammad Tahir |
| PHD Anatomy | Dr. Mamoona Nasim | UHS Lahore | Effect of aluminium sulphate on intrauterine growth and development of mouse embryo | Prof. Dr. Muhammad Tahir |
| PHD Anatomy | Dr. Shahdab Ahmed Butt | UHS Lahore | Effects of ultrasound on the ovary and pregnancy | Dr. Saqib Mahmood |
| PHD Anatomy | 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 |
| PHD Anatomy | Dr. Mariyah Hidayat | UHS Lahore | Effect of Melatonin on the development of brain in Albino Rats during Maternal hypothyroidism | Prof. Dr. Muhammad Tahir |
| PHD Cellular & Molecular Biology | Mr. Muhammad Imran | UHS Lahore | Molecular Markers of susceptibility to prion diseases in local human and domesticated bovinds | Dr. Saqib Mahmood |
| 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 |
| PHD Chemical Pathology | Dr. Sumbra 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 |
| PHD Clinical Psychology | Dr, Nashi Khan | UHS Lahore | Dhat Syndrome: Its Physical and Psychological Implications | Prof. Dr. Rukhsana Kausar |
| 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 |

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|--|------------------------------|-------------|--|---------------------------------|
| 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 |
| 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 |
| PHD Forensic Sciences | Ms. Zeenat Salahuddin | UHS Lahore | Predictive modelling of nose shape variations on the basis of known genetic association | Dr. Allah Rakha |
| PHD Forensic Sciences | Mr. Muhammad Jawad | UHS Lahore | DNA phenotyping of facial hair pattern prediction for forensic facial reconstruction | Dr. Allah Rakha |
| PHD Forensic Sciences | Mr. Shahid Nazir | UHS Lahore | Evaluation of discrimination power of RM-YSTR till 4th generation in Pakistani population | Dr. Allah Rakha |
| PHD Forensic Sciences | Ms. Saadia Noreen | UHS Lahore | Construction of EarPlex: A predictive model for external ear phenotype | Dr. Allah Rakha |
| 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 |
| 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 |
| PHD Human Genetics | 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 |
| PHD Human Genetics | Ms. Sobia Rana | UHS Lahore | Expression of circadian clock and cell cycle genes in chronic lymphocytic leukaemia | Dr. Saqib Mahmood |
| PHD Human Genetics & Molecular Biology | Dr. Ali Amar | UHS Lahore | Genetic analysis of kidney stone disease in the Pakistani population | Dr. Shagufta Khaliq |
| 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 |
| 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 |

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| 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 |
| 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 |
| PHD Immunology | Dr. Farhana Shahzad | UHS Lahore | HLA profile and immuno markers in methorexate responders and non-responders juvenile idiopathic arthritis patients | Prof. Dr. Nadeem Afzal |
| 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 |
| PHD Immunology | Dr. Nadeem Afzal | UHS Lahore | The role of Genetics and Immune Mechanisms in the Pathogenesis of Diabetic Retinopathy | Prof. Abdul Hannan Nagi |
| PHD Immunology | Mr. Faheem Shahzad | UHS Lahore | Genetic variation, expression of immune response genes and cell surface markers in Mycobacterium tuberculosis infection with and without rifampicin resistance | Dr. Nadeem Afzal |
| PHD Immunology | Mr. Khursheed Javaid | UHS Lahore | Genetic variations and expression analysis of GIMAP4, INF-g and IL-17 patients with and without drug resistance | Prof. Dr. Nadeem Afzal |
| 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 |
| 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 |
| PHD Medical Education | Dr. Ihsan Ul Haq Wafa | UHS Lahore | Developing a model for mentoring in academic scholarship in psot graduate medical education | Prof. Dr. Shakila Zaman |
| PHD Medical Education | Dr. Zohra Khanum | UHS Lahore | Challenges in Helth care delivery services in Public sector Hospitals | Prof. Junaid Sarfraz Khan |
| PHD Microbiology | Dr. Faiqa Arshad | UHS Lahore | Vancomycin MIC creep and identification of novel clonal types of mecA and mecC postive methicillin resistant staphylococcus aureus | Dr. Sidrah Saleem |
| PHD Microbiology | Dr. Muhammad Barkaat Hussain | UHS Lahore | Screening of Pakistani honeys for antibacterial potential against Salmonella typhi | Prof. Dr. Naeem Akhtar |

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|-------------------------------------|---------------------------|------------|--|-------------------------|
| PHD Microbiology | Dr. Sadia Ch | UHS Lahore | Efficacy of honey against multidrug resistant Mycobacterium tuberculosis (MDR-MTB) in a mouse model | Prof. Abdul Hannan Nagi |
| PHD Microbiology | Dr. Umaira Ahsan | UHS Lahore | Genetic analysis of colistin resistance and associated virulence features and antimicrobial effect of Sausurea Lappa in Acinetobacter baumannii | Dr. Irfan Ahmad |
| PHD Microbiology | Dr. Zill-e-Huma | UHS Lahore | Molecular characterization and drug susceptibility pattern of multidrug resistant candida species and in-vitro efficacy of synthetic organic compounds | Dr. Sidrah Saleem |
| PHD Microbiology | Mr. Aamir Jamal Gondal | UHS Lahore | Molecular characterization of klebsiella pneumoniae carbapenemases in gram negative bacilli and in vitro efficacy of silver nanoparticles | Dr. Shah Jahan |
| PHD Microbiology | Ms. Fizza Khalid | UHS Lahore | Characterization of locally isolated acinetobacter baumannii strains for drug resistance and biofilm formation | Dr. Irfan Ahmad |
| PHD Microbiology | Muhammad Usman Qamar | UHS Lahore | 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 |
| PHD Microbiology | Sidrah Saleem | UHS Lahore | Efficacy of honey against methicillin resistant Staphylococcus aureus systemic infection in mouse model | Prof. Dr. Naeem Akhtar |
| PHD Microbiology | Dr. Humera Javed | UHS Lahore | Microbiological and molecular characterization of plasmid mediated colistin resistance in gram negative rods isolated from humans and animals | Dr. Shah Jahan |
| PHD Microbiology | Dr. Kokab Jabeen | UHS Lahore | Molecular characterization of extensively drug resistant Salmonella serovar typhi and in-vitro activity of ceftazidime-avibactam against XDR S. typhi | Dr. Sidrah Saleem |
| PHD Morbid Anatomy & Histopathology | Dr. Azhar Qayyum | UHS Lahore | KRAS oncogenic mutation pattern in Pakistani patients presenting with colorectal carcinoma in northern tertiary referral centre | Prof. Abdul Hannan Nagi |
| PHD Morbid Anatomy & Histopathology | Dr. Bushra Nisar | UHS Lahore | Classification of cervical cytological changes with serological and molecular characterization of sexually transmitted viral infections in females of local population | Prof. Dr. Nadia Naseem |
| PHD Morbid Anatomy & Histopathology | Dr. Farah Bano Niazi | UHS Lahore | Mutation and expression analysis of leucocyte specific protein-1 and its correlation with relevant cell cycle markers in hepatocellular carcinoma | Prof. Abdul Hannan Nagi |
| PHD Morbid Anatomy & Histopathology | Dr. Muhammad Usman Shamas | UHS Lahore | Expression and mutational analysis of epigenetic regulator EZH2 and its related genes in squamous cell carcinomas of skin | Prof. Abdul Hannan Nagi |

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| PHD Morbid Anatomy & Histopathology | Dr. Nadia Naseem | UHS Lahore | Immunohistochemical and genetic characterization of muscular dystrophies in local patients | Prof. Abdul Hannan Nagi |
| PHD Morbid Anatomy & Histopathology | Dr. Nausheen Henna | UHS Lahore | Panel of five stratification genes expression in invasive ductal breast carcinoma | Prof. Abdul Hannan Nagi |
| PHD Morbid Anatomy & Histopathology | Dr. Atika Masood | UHS Lahore | Mutations in cancer susceptibility genes and expression of poly ADP-ribose protein in relation to chemotherapy response in patients with surface epithelial overain carcinoma | Prof. Dr. Nadia Naseem & Dr. Saba Khaliq |
| 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 |
| 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 |
| PHD Pharmacology | Dr. Adnan Jehangir | UHS Lahore | Immunomodulatory effect of Zinc and Iron Complexes of Trierpene acids (Ursolic acid and oleanolic acid) in Rat Model of Allergic asthma | Dr. Muhammad Shahzad |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| PHD Pharmacology | Dr. Moneeb Ashraf | UHS Lahore | Anticancer effect of glycyrrhizin against breast cancer in comparison with tamoxifen | Prof. Dr. Muhammad Shahzad |

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| 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 |
| 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 |
| PHD Physiology | Dr. Asima Karim | UHS Lahore | Growth, Obesity and pubertal development pattern in school girls of the Punjab | Prof. Dr. Abdul Nasir |
| 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 |
| 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 |
| PHD Physiology | Dr. Uzma Zafar | UHS Lahore | Genetic Variants and hormone levels in metabolic syndrome | Prof. Dr. Khalid Pervaiz Lone |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| PHD Prosthodontics | Dr. Bilal Ahmed | UHS Lahore | Clinical and Genetic studies in families with tooth agenesis | Prof. Dr. Nazia Yazdanie |
| PHD Psychiatry | Lt. Col. Dr. Sohail Ali | UHS Lahore | Psychobiological outcomes of psychotrauma amongst survivors of man made disaster | Prof. David Alan Alexander |

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| PHD Biochemistry | Dr. Iram Fayyaz | UHS Lahore | Biochemical & molecular analysis of candidate biomarkers in patients of rheumatoid arthritis and health controls | Dr. Saba Khaliq |
| 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 |
| PHD Haematology | Dr. Mizna Arif | UHS Lahore | Genomic profile of myeloproliferative neoplasms in patients presenting at tertiary care centre | Prof. Dr. Shagufta Khaliq |
| PHD Haematology | Dr. Muhammad Asif Naveed | UHS Lahore | Genetic and epigenetic alterations in type III von Willebrand disease | Brig. (Retd) Dr. Nadir Ali |
| 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 |
| 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 |
| PHD Human Genetics & Molecular Biology | Ms. Sana Iqbal | UHS Lahore | In vitro investigations to explore anticancer effects of a silkworm proteint (Sericin) against colorectal cancer cells | Dr. Asim Pervaiz |

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| 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 |
| PHD Human Genetics & Molecular Biology | Mr. Muhammad Aiman Shahzad | UHS Lahore | Erufosine mediated anti-neoplastic effects and regulation of cell survival, cell cycle and apoptosis pathways in breast cancer cells | Dr. Asim Pervaiz |
| PHD Human Genetics & Molecular Biology | Mr. Najeeb Ullah | UHS Lahore | Genetic and molecular analysis of congenital cataract affected families from Baluchistan | Dr. Munir Ahmad |