CURRICULUM VITAE

Dr. Syed Kamran-Ul-Hassan

Personal Data:

Father's Name	**Syed Zamurrad Hussain**
Nationality	Pakistani
D.o.B	07 Feb, 1981
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Aims & Objectives:

- Looking for a challenging position in the field of Genetics/Molecular Biology/ Genomics/ Biochemistry/ Biotechnology in a well reputed National/International Institution/Universities of Government/Multinational Sector, where I could utilize my knowledge and experience in a perfect manner to achieve the best outputs in form of settled goals for the progress of my Institution as well as personal development.

Research Interests:

- I possess great thirst and keenly interested in acquiring and delivering more theoretical knowledge, practical skills and training in the area of Genetics, Molecular Biology, Genomics, Biotechnology, Functional genomics, Knockout techniques, Bioinformatics, Stem cells and Cell lines studies in addition to Master of Philosophy and Doctorate in Philosophy of Molecular Biology/Human Molecular Genetics.

Academics:

- Ph.D. (Biochemistry/Molecular Biology) from Department of Biochemistry, Faculty of Biological Sciences, Quaid-i-Azam University, Islamabad (2007- 2012).

Title of Ph.D Thesis: "*Identification of Genes Involved in Human Hereditary Skin Disorders: Alopecias and Ectodermal Dysplasias*".

- M.Phil. (Biochemistry/Molecular Biology) (1st division) from Department of Biochemistry, Faculty of Biological Sciences, Quaid-i-Azam University, Islamabad (2005-2007).

Title of M. Phil Thesis: "*Genetic Mapping of Hearing Impairment Genes*".

- M.Sc. Biology (Biochemistry/Molecular Biology) (1st division) from Department of Biochemistry, Faculty of Biological Sciences, Quaid-i-Azam University, Islamabad (2003-2005).

- B.Sc. (Chemistry, Botany, Zoology) (1st division) from Peshawar University, Peshawar (2000-2002).

- F.Sc. (Pre-Medical), (1st division) from F.B.I.S.E, Islamabad (1999).

- Matric (Science), (1st division) from B.I.S.E, Rawalpindi (1997).

Workshop, Seminars & Conferences Attended:

- 5th Pre-Service Certified Training of Faculty Development, 23 June to 22 August, 2014 By FDA, Islamabad.

- 2nd National One day Workshop on Bioinformatics, 25 July, 2011. Department of Computer Science & Biosciences, MAJU, Islamabad.
- 10th Shaukat Khanum Memorial Cancer Symposium. Nov 18-20, 2011 PC Hotel, Lahore.
- 1st "National Conference on Trends in Biochemistry and Molecular Biology" 21 Feb, 2012. Department of Biochemistry, Quaid-i-Azam University, Islamabad.

Academic & Research Experience:

- Research Assistant (M. Phil Programme) Q.A.U, Islamabad (2005-2007).
- Six years Research experience in H.M.G Lab, Q.A.U Islamabad (2006-2012).
- Five years teaching, training and supervising practical courses in Department of Biochemistry, Q.A.U Islamabad (September 2006- Nov 2011).
- Organizer and Team leader of "National Conference on Trends in Biochemistry and Molecular Biology" 21 Feb, 2012. Department of Biochemistry, Quaid-i-Azam University, Islamabad.
- Awarded by Research Productivity Award (RPA 2010-2011, RPA 2011-2012, RPA 2012-2013, RPA 2013-2014, RPA 2014-2015 and RPA 2016-2017) by PCST and RPA-2015 by COMSATS.
- **Assistant Professor** in Biochemistry and Molecular Biology, Department of Biochemistry, Frontier Medical College, Abbottabad (**Apr, 2012 to Jan, 2013**).
- **Assistant Professor** and **Principal Investigator** in Molecular Biology and Human Molecular Genetics, Department of Biosciences, COMSATS Institute of Information Technology, Islamabad (**January 2013 to date**).

Technical Skills & Experience:

- Pedigree construction and sampling of Pakistani families having genetic disorders
- Genotyping of different autosomal recessive genetic disorders
- Linkage and Mutations analysis
- Utilizing ABI automated genetic analyzer 310 and Beckman CEQ 8800 (sequencer)
- Extraction of Genomic DNA from eukaryotes and RNA from different tissues
- Handling of all types of PCR systems
- Restriction enzyme analysis

Research Projects:

Numbers of research projects have been submitted to Higher education's organization and major research funding agencies of Pakistan; details of these projects are given below.

- Candidate genes hunting for certain Autosomal Recessive Non-Syndromic Hearing Loss (ARNSHL) Disorders using biological databases and bioinformatics tools (Funded by HEC 0.5 Million PKR; Completed).
- Formulation of Nano-Pralidoxime for the enhanced penetration through blood brain barrier (Submitted in PSF; 3.8 Million PKR).
- Molecular Genetics Study of Autosomal Dominant Woolly Hair/Hypotrichosis (ADWH/ADH) in Pakistani Families (Submitted in HEC; 7.2 Million PKR).

List of Publications:

- Total Publications: **27**
- Total Impact Factor of Journals in which my articles published: **72.9.**
- Total Citations of my published Articles: **390**

1. Bibi S, Kamran M, Ahmad H, Bibi K, **Naqvi SKH,** Zuo Q, Shah NA, Cao J **(2023)**. Knowledge, attitudes and practices regarding Taeniasis in Pakistan. Diseases. 7: 11(3) :95. doi: 10.3390/diseases11030095. PMID: 37489447; PMCID: PMC10366766.

2. Saeed K, Riaz S, Adil A, Nawaz I, **Naqvi SK,** Baig A, Ali M, Zeb I, Ahmed R, Naqvi ST **(2023)**. Characterization of alkaline metalloprotease isolated from halophilic bacterium Bacillus cereus and its applications in various industrial processes. Anais da Academia Brasileira de Ciências. 95 (Suppl-2): e20230014. Doi: 10.1590/0001-3765202320230014.

3. Jan H, Wasif N, **Naqvi SKH,** Ullah I, Ahmad W **(2023)**. A novel homozygous splice site variant in *CERS3* causes autosomal recessive congenital ichthyosis. Congenit. Anom. (3): 1-2.

4. Riaz S, Ahmed H, Kiani SA, Afzal MS, Simsek S, Celik F, Wasif S, Bangash N, **Naqvi SK,** Zhang J, Cao J **(2023)**. Knowledge, attitudes and practices related to neglected tropical diseases (schistosomiasis and fascioliasis) of public health importance: A cross-sectional study. Front Vet Sci. 28;10:1088981. Doi: 10.3389/fvets.2023.1088981.

5. Hussain N, Shabbir RMK, Ahmed H, Afzal MS, Ullah S, Ali A, Irum S, **Naqvi SK,** Yin J, Cao J **(2023)**. Prevalence of different tick species on livestock and associated equines and canine from different agro-ecological zones of Pakistan. Front Vet Sci. 6;9:1089999. Doi: 10.3389/fvets.2022.1089999.

6. Khan A, Sajid R, Gul S, Hussain A, Zehri MT, Naz S, Simsek S, Waseem S, Afzal MS, **Naqvi SKUH**, Qasim M, Ahmed H **(2021).** Epidemiological and pathological characteristics of Cutaneous Leishmaniasis from Baluchistan Province of Pakistan. Parasitology. 148(5): 591-597.

7. Zaffar H, Fareed A, Riaz S, Ali M, Ahmed R, Rashid A, **Naqvi SK,** Naqvi TA **(2021).** Kinetic Modelling of Endosulfan Degradation by Mixed Bacterial Culture. Soil and Sediment Contamination (formerly Journal of Soil Contamination) 30(1): 1-14.

8. Farooqi AA, **Naqvi SK,** Aras AP, Yanar O, Tabassum S, Ahmad MS, Mansoor Q, Ismail M **(2018).** Natural Agents Mediated Targeting of Histone Deacetylases (HDACs). Arch Immunol Ther Exp. 66(1): 31-44.

9. Qureshi MZ, Jabeen S, Butt G, Aslam A, **Naqvi SK,** Attar R, Tabassum S, Nasir M, Farooqi AA **(2016).** Tudor Tells About New Twists in the Story Tale of SMURFs. Cell Mol Biol (Noisy-le-grand). 30; 62(5): 38-43.

10. Ali RH, Mahmood S, Raza SI, Aziz A, Irfanullah, **Naqvi SK,** Wasif N, Ansar M, Ahmad W, Shah SH, Khan BT, Zaman Q, Gul A, Wali A, Ali G, Khan S, Khisroon M, Basit S **(2015).** Genetic analysis of Xp22.3 micro-deletions in seventeen families segregating isolated form of X-linked ichthyosis. J Dermatol Sci. 80(3): 214-217.

11. Aras A, Iqbal MJ, **Naqvi SK,** Gercek YC, Boztas K, Gasparri ML, Shatynska-Mytsyk I, Fayyaz S, Farooqi AA **(2014).** Anticancer Activity of Essential Oils: Targeting of Protein Networks in Cancer Cells. APJCP. 15(19): 8047-50.

12. Nogueira DR, Yaylim I, Aamir Q, Kahraman OT, Fayyaz S, **Naqvi SK,** Farooqi AA **(2014).** TRAIL Mediated Signaling in Pancreatic Cancer. APJCP. 15(15): 5977-82.

13. Farooqi AA, Qureshi MZ, Coskunpinar E, **Naqvi SK,** Yaylim I, Ismail M **(2014).** mir-421, mir-155 and mir-650: Emerging Trends of Regulation of Cancer and Apoptosis. APJCP. 15 (5): 1909- 12.

14. **Kamran-Ul-Hassan Naqvi S (2012-13).** Hearing Loss Disorders: The Titan Genetic Anomalies in Pakistan. J RLMC. 1 (2): 33-37.

15. Umm-E-Kalsoom, Basit S, **Kamran-Ul-Hassan Naqvi S,** Ansar M, Ahmad W **(2012).** Genetic mapping of an autosomal recessive postaxial polydactyly type A to chromosome 13q13.3-q21.2 and screening of the candidate genes. Hum Genet. 131 (3): 415-422.

16. Ansar M, Lee K, **Naqvi SK,** Andrade PB, Basit S, Santos-Cortez RL, Ahmad W, M Leal SM **(2011)**. A new autosomal recessive nonsyndromic hearing impairment locus DFNB96 on chromosome 1p36.31-p36.13. J Hum Genet. 56 (12): 866- 868.

17. **Naqvi SK,** Wasif N, Javed H, Ahmad W **(2011)**. Two novel mutations in the gene *EDAR* causing autosomal recessive hypohidrotic ectodermal dysplasia. Orthd Cranf Res. 14 (3): 156-159.

18. Basit S, Iqbal Z, Umicevic-Mirkov M, Kamran**-Ul-Hassan Naqvi S,** Coenen M, Ansar M, Bokhoven HV, Ahmad W (**2011).** A Novel Deletion Mutation in Proteoglycan-4 Underlies Camptodactyly-Arthropathy Coxa-Vara- Pericarditis Syndrome in a Consanguineous Pakistani Family. Arch Med Res. 42 (2): 110-114.

19. Khan S, Habib R, Mir H, Umm-E-Kalsoom, Naz G, Ayub M, Shafique S, Yasmin T, Ali N, Basit S, Wasif N, **Kamran-Ul-Hassan Naqvi S,** Ali G, Wali A, Ansar M, Ahmad W **(2011).** Mutations in the *LPAR6* and *LIPH* genes underlie autosomal recessive hypotrichosis/woolly hair in 17 consanguineous families from Pakistan. Clin Exp Dermatol. 36 (6): 652-654.

20. Azeem Z, Wasif N, Basit S, Razak S, Waheed RA, Islam A, Ayub M, Kafaitullah, **Kamran-Ul-Hassan Naqvi S,** Ali G, Ahmad W (**2011).** Congenital atrichia with papular lesions resulting from novel mutations in human hairless *gene* in four consanguineous families. J Dermatol. 38: 755-760.

21. Wasif N, **Kamran-Ul-Hassan Naqvi S,** Basit S, Ali N, Ansar M, Ahmad W **(2011).** Novel mutations in the keratin-74 (*KRT74*) gene underlie autosomal dominant woolly hair/hypotrichosis in Pakistani families. Hum Genet. 129 (4): 419-424.

22. **Kamran-Ul-Hassan Naqvi S,** Azeem Z, Ali G, Ahmad W **(2010).** A novel splice-acceptor site mutation in *CDH3* gene in a consanguineous family exhibiting hypotrichosis with juvenile macular dystrophy. Arch Dermatol Res. 302 (9): 701-703.

23. Naz G, Ali G, **Kamran-Ul-Hassan Naqvi S,** Azeem Z, Ahmad W **(2010).** Mapping of a novel autosomal recessive hypotrichosis locus on chromosome 10q11.23-22.3. Hum Genet. 127 (4): 395-401.

24. Azeem Z, **Kamran-Ul-Hassan Naqvi S,** Ansar M, Wali A, Naveed AK, Ali G, Hassan MJ, Tariq M, Basit S, Ahmad W **(2009).** Recurrent mutations in functionally related *EDA* and *EDAR* genes underlie X-linked isolated hypodontia and autosomal recessive hypohidrotic ectodermal dysplasia. Arch Dermatol Res. 301: 625-629.

25. **Kamran-Ul-Hassan Naqvi S,** Raza SI, Naveed AK, John P, Ahmad W **(2009).** A novel deletion mutation in the phospholipase H (LIPH) gene in a consanguineous Pakistani family with autosomal recessive hypotrichosis (LAH2). Br J Dermatol. 160 (1):194-196.

26. Azeem Z, Jelani M, Naz G, Tariq M, Wasif N, **Kamran-Ul-Hassan Naqvi S,** Ayub M, Yasinzai M, Amin-ud-din M, Wali A, Ali G, Chishti MS, Ahmad W **(2008).** Novel mutations in G protein-coupled receptor gene (*P2RY5*) in families with autosomal recessive hypotrichosis (LAH3). Hum Genet. 123: 515-519.

27. Basit S, **Naqvi SK,** Wasif N, Ali G, Ansar M, Ahmad W **(2008).** A novel insertion mutation in the cartilage-derived morphogenetic protein-1 (CDMP1) gene underlies Grebe-type chondrodysplasia in a consanguineous Pakistani family. BMC Med Genet. 9:102.

References:

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