

Name: Dr. Muhammad Ayub Kakar
Designation: Assistant Professor
Institute: Biochemistry (BMB)



Qualifications: PhD 2010 Institute of Biochemistry

My research group is mainly involved in the identification and characterization of genes responsible for Skin and Bone disorders. We are currently using commercially available SNP microarray platforms for the genetic analysis of large families with Skin and Bone disorders. Additionally our group is also working on large-scale genomic analysis, expression studies related to Identification and Analysis of Genes Involved in Human Hearing Impairment.

Email: ayub_2004@hotmail.com, m.ayub@um.uob.edu.pk

Publication.

1. Riazuddin S, Belyantseva IA, Giese AP, Lee K, Indzhykulian AA, Nandamuri SP, Yousaf R, Sinha GP, Lee S, Terrell D, Hegde RS, Ali RA, Anwar S, Andrade-Elizondo PB, Sirmaci A, Parise LV, Basit S, Wali A, **Ayub M**, Ansar M, Ahmad W, Khan SN, Akram J, Tekin M, Riazuddin S, Cook T, Buschbeck EK, Frolenkov GI, Leal SM, Friedman TB, Ahmed ZM. [Alterations of the CIB2 calcium- and integrin-binding protein cause Usher syndrome type 1J and nonsyndromic deafness DFNB48. Nat Genet. 2012 Nov;44\(11\):1265-71. doi: 10.1038/ng.2426. Epub 2012 Sep 30.](#)
2. **Ayub M**, Rehman F, Yasinzai M, Ahmad W. A Novel missense mutation with X-linked Non-Syndromic Hypondita in Pakistani families. International Journal of Dermatology (Impact Factor: 1.50) .
3. **Ayub M**, Basit S, Jelani M, Ur Rehman F, Iqbal M, Yasinzai M, Ahmad W.A homozygous nonsense mutation in the human desmocollin-3 (DSC3) gene underlies hereditary hypotrichosis and recurrent skin vesicles. Am J Hum Genet. 2009 Oct;85(4):515-20. Epub 2009 Sep 17. (Impact Factor: 12.13)
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 7. Wali A, Chishti MS, **Ayub M**, Yaszinai M, Kafaitullah, Ali G, John P, Ahmad W. Localization of a novel autosomal recessive hypotrichosis locus (LAH3) to chromosome 13q14.11-q21.32. *Clin Genet.* 2007 Jul;72(1):23-9 (Impact Factor: 3.12)
 8. Tariq M, Wasif N, **Ayub M**, Ahmad W. A novel 4-bp insertion mutation in EDA1 gene in a Pakistani family with X-linked hypohidrotic ectodermal dysplasia. *Eur J Dermatol.* 2007 May-Jun; 17(3):209-12. Epub 2007 May 4 (Impact Factor: 3.56)
 9. Congenital atrichia with papular lesions resulting from novel mutations in human hairless gene in four consanguineous families Zahid AZEEM,1,2 Naveed WASIF,1 Sulman BASIT,1 Suhail RAZAK,1 Raja Amjad WAHEED,5 Adeel ISLAM,1 **Muhammad AYUB,3** KAFAITULLAH,4 Syed KAMRAN-UL-HASSAN NAQVI,1 Ghazanfar ALI,1 Wasim AHMAD1 1Department of Biochemistry, Faculty of Biological Sciences, Quaid-i-Azam University, 2Department of Biochemistry, National University of Sciences and Technology (NUST), Islamabad, 3Institute of Biochemistry, 4Department of Zoology, University of Baluchistan, Quetta, and 5Department of Chemistry, Azad Jammu Kashmir University, Muzafarabad, Pakistan *Journal of Dermatology* 2011; 38: 1–6 Impact Factor 3.
 10. Mutations in the LPAR6 and LIPH genes underlie autosomal recessive hypotrichosis/woolly hair in 17 consanguineous families from Pakistan S. Khan, R. Habib, H. Mir, Umm-e-Kalsoom, G. Naz, **M. Ayub**,* S. Shafique, T. Yamin, N. Ali, S. Basit, N. Wasif, S. Kamran-ul-Hassan Naqvi, G. Ali, A. Wali,† M. Ansar and W. Ahmad Department of Biochemistry, Faculty of Biological Sciences, Quaid-i-Azam University Islamabad, Pakistan; *Institute of Biochemistry, University of Baluchistan, Quetta, Pakistan; †Department of Biotechnology and Informatics, Faculty of Life Sciences and Informatics, BUIITEMS, Quetta, Pakistan doi:10.1111/j.1365-2230.2011.04014.x *Clinical and Experimental Dermatology* Impact Factor 3

a. Total Impact Factor: 72