

Farheena Iqbal Awan

farheena_iqbal@hotmail.com

EDUCATION

M.Phil (Molecular Biology)

University of the Punjab, Lahore (2011-2013)

2 Years MPhil Degree, First Class with 82.15% Marks, CGPA 3.64/4.00

Specialized in Forensic Science. Research on the project
"Genetic polymorphism of miniST-TPOX, D18S1 and D2S1338 in Punjabi population of Pakistan"

M.Sc (Chemistry)

University of the Punjab, Lahore (2005-2007)

2 Years Master Degree, First Class with 79.27% Marks, CGPA 3.54/4.00

Specialized in Organic Chemistry. Research on the project
"Synthesis of Amino Cumerines"

M.S.Ed (Master in Science Education)

University of the Punjab, Lahore (2002-2004)

2 Years Master Degree, First Class with 82% Marks, CGPA 3.72/4.00

Specialized in Teaching of Science Education at Higher Secondary Level.

B.Sc

Govt Degree College For Women, Gulberg, Lahore (1999-2001)

2 Years Bachelor Degree, Second Class with 58% Marks

Specialized in Subjects: Botany, Zoology and Chemistry.

F.Sc (Pre-Medical)

Govt. Model Degree College, Model Town, Lahore (1996-1998)

2 Years Bachelor Degree, Second Class with 62% Marks

Matriculation (Science)

Govt. Girls High School, Khabaki. (Dist. Khushab) (1996)

First Class with 78% Marks

Employment

(2008-todate) Research Officer. DNA Core Facilities, Centre For Applied Molecular Biology, University of The Punjab, Lahore, Pakistan.

Projects

- STR- Genotyping for Genetic Characterization of Human Diseases (Deafness, Vision Impairment, Mental Retardation) in Pakistani Population.
- STR-Genotyping for Forensic Case work.
- Studies of Genetic Association of Asthma in Pakistani Population.
- Manager of commercial services provided to Molecular Biology researchers (i.e DNA sequencing, STR-genotyping, SNP-Analysis, DNA extraction through whole blood and Gene amplification)
- Software analysis of results and there troubleshooting.

Moecular Biology Skills acquired

- DNA/RNA extraction using commercial Kits and manual methods (Phenol-Chloroform Extraction methods).
- Gene Amplification PCR
- Sanger Sequencing PCR
- Multiplex microsatellite PCR
- SNaPSHOT PCR for mini-sequencing and SNP hunting.
- Working and Handling of Capillary based ABI Genetic Analyzers: 3100, 3730, and 3130xl.
- Troubleshooting the capillary based sequencer data.
- Use of Biological softwares e.g. designing primers/probes, DNA sequencing & genotyping data analysis using the software like Sequencing Analysis, GeneScan, Genotyper, GeneMapper, Seq Scanner, Chromas etc.
- Genotyping and DNA fragment analysis using microsatellites and ABI analyzers
- DNA primer designing

Publications

2014

- Z. Ahmed, M. E. Babar, T. Hussain, A. Nadeem, F. I. Awan, A. Wajid, S. A. Shah and M. M. Ali **genetic diversity analysis of kail sheep by using microsatellite Markers.** The Journal of Animal & Plant Sciences, 24(5): 2014, Page: 1329-1333 ISSN: 1018-7081.

2013

- Bashir ZE, Latief N, Belyantseva IA, **Iqbal F**, Amer Riazuddin S, Khan SN, Friedman TB, Riazuddin S, Riazuddin S. **Phenotypic variability of CLDN14 mutations causing**

DFNB29 hearing loss in the Pakistani population. J Hum Genet. 2013 Feb;58(2):102-8. PMID:23235333

- Muhammad Farooq Sabar*, **Farheena Iqbal Awan**, Mariam Shahid, Muhammad Usman Ghani and Mustansara Yaqub **Synthesis and Bioactivity Study of 30KDa Linear PEG-Interferon and its Comparison with Tri-Branched PEG-Interferon 1** J. Chem. Soc. Pak., Vol. 35, No.1, 2013

2010

- Sabir N, Riazuddin SA, Kaul H, **Iqbal F**, Nasir IA, Zafar AU, Qazi ZA, Butt NH, Khan SN, Husnain T, Hejtmancik JF, Riazuddin S. **Mapping of a novel locus associated with autosomal recessive congenital cataract to chromosome 8p.** Mol Vis. 2010 Dec 30;16:2911-5. PMID:21203409
- Sabir N, Riazuddin SA, Butt T, **Iqbal F**, Nasir IA, Zafar AU, Qazi ZA, Butt NH, Khan SN, Husnain T, Hejtmancik JF, Riazuddin S. **Mapping of a new locus associated with autosomal recessive congenital cataract to chromosome 3q.** Mol Vis. 2010 Dec 8;16:2634-8. PMID:21179239

Personal

Name:	Farheena Iqbal Awan
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Date of Birth:	9 th July. 1981
Place of Birth:	Lahore (Pakistan)
Nationality:	Pakistani
NIC #:	35200-1393800-0
Passport #:	AG5026493
Marital status:	Married
Current Position:	Research Officer
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REFERENCES

Available on request