

Curriculum Vitae

PERSONAL

Name: **Dr. Zia ur Rehman Farooqi**
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OBJECTIVE

“Standardization is my lifelong effort”, seeking an Administrative/Advisor/Consultant position, where I can contribute my services as an Organizational Architect to alleviate the organization's performance.

EDUCATION

- 2016** **Ph. D (Virology & Immunology)** Atta ur Rahman School of Applied Biosciences, National University of Science and Technology, Islamabad, Pakistan
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- 2010** **M. Phil (Virology and Immunology)** A degree Equivalent to MS
NUST Center of virology and Immunology, National University of Science and Technology, Islamabad, Pakistan
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- 2008** **M.Sc. (Biochemistry)**
University of Arid Agriculture, Rawalpindi, Pakistan
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- 2004** **B.Sc. (Medical Laboratory Technology)**
University of the Punjab, Lahore, Pakistan
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FUNCTIONAL SUMMARY

IT and data analysis MS office, Statistical data analysis software (SPSS) and basic *Bioinformatics* tools

Hands on Experience High Performance Liquid Chromatography (UV/Vis, Fluorescence), Gas chromatography (ECD, FID), Flowcytometry Electrophoresis, Gel Documentation, Polymerase Chain Reaction,(PCR), Electrophoresis (Agarose), Polyacrylamide Gel Electrophoresis (Native and Denatured), DNA sequencer, ELISA, Clinical Diagnostics and body fluid analysis, Plasmid and Genomic DNA isolation, Spectrophotometer, Electroporation, Mutational analysis (ARMS, tetra ARMS, RFLP, Tissue Culture and Transformation)

Languages English, Urdu, Punjabi

PROFESSIONAL EXPERIENCE:

Feb-2021- to dated	Assistant Prof	Institute of Paramedical Sciences, Khyber Medical University, Peshawar
10-09-2020 to Feb-2021	Assistant Prof, Immunology	Department of Pathology, Lady Reading Hospital-MTI, Peshawar
03-09-2018 to 10-09-2020	Assistant Prof	Department of Medical Lab Sciences, University of Lahore (Gujrat Campus)
22-04-2014 to 30-08-2018	Assistant Prof & Program Coordinator	Department of Medical Technology, Shifa Tameer-e-Millat University Islamabad
02-10-2010 to 21-04-2014	Visiting Lecturer	Lecture and Lab work of Clinical Microbiology and Biotechnology, CMLT, National Institute of Health, Islamabad
02-03-2006 to 21-04-2014	Lab Technologist (BPS- 16)	Facilitation in Research Project Center for Research in Experimental and Applied Medicine (CREAM), A.M. College (NUST), Rawalpindi
02-08-2005 to 01-03-2006	Medical Technologist	Practical of Physiology Shifa College of Medicine, Shifa International Hospital Islamabad
01-08-2003 to 1-08-2005	Medical Technologist	Clinical Laboratory practice Khaleej Diagnostic Center, Rawalpindi

PUBLICATION:

A. Articles

1. Effect of Progressive Relaxation and Aerobic Exercises in Improving Mental Health: A Randomized Controlled Trial. Iqra Naseem, Muhammad Umar, **Zia-ur-Rehman Farooqi**, Akash John. *Intr. J. Biol. Pharm. & Allied Health Sc.* Vol. 8, No. 9. **2019. (ISI Master list, Corresponding author)**
2. Diagnosis of Urinary Tract Infection: Medical Imaging or Laboratory Based. Najwa Farooq, Muhammad Shoaib, Quratul Ain, **Zia-ur-Rehman Farooqi**, Muhammad Javaid Asad, Adeeb Shahzad. *Pak J Med Res* Vol. 56, No. 4, p 141-144 **2017 (HEC 'Y')**
3. Interleukin-6: A promising disease severity index for dengue virus infection. Fariha Kanwal, Changrui Lu, Ishtiaq Qadri, Muhammad Sohail, **Zia-ur-Rahman Farooqi**. *Asian Pac J Trop Dis* **2017**; 7(5): 266-269
4. Effects of two functionally important *SLCO1B1* gene polymorphisms on pharmacokinetics of atorvastatin. Tausif Ahmed Rajput, Abdul Khaliq Naveed, **Zia-ur-Rehman Farooqi** and Shakir Khan. *Pak. J. Pharm. Sci.*, Vol.30, No.4, July **2017**, pp.1363-1370 (**IF 0.682**)
5. Logical Analysis of Regulation of Interleukin-12 Expression Pathway Regulation During HCV Infection. **Zia-ur-Rehman Farooqi**, Samar Hayat Khan Tareen, Jamil Ahmed, Sadaf Zaidi. *Protein and peptide letters.*2016 23 (6), 581-589 (**0.964**)

6. Frequency of Common CYP2C9 Polymorphisms and Their Impact on Warfarin Dose Requirement in Pakistani Population. Ayesha Qayyum, Muzammil Hassan Najmi, Qaiser Mansoor, **Zia-ur-Rehman Farooqi**, Abdul Khaliq Naveed, Hanif A, Kazmi SA, Muhammad Ismail. Clin Appl Thromb Hemost. 2016 Jun 16. pii: 1076029616654264 (IF 2.096)
7. To investigate the efficiency of Surveyor Nuclease in error correction during gene synthesis. **Zia-ur-Rehman Farooqi**, Andrew Curin, Imran Tipu, Philip J.R Day, Najam-us-Sahar Sadaf Zaidi. Annals of PIMS. 2015; 11(4): 176-179 (HEC 'X')
8. Changing trends in susceptibility pattern of Methicillin Resistant *Staphylococcus aureus* to routinely used antibiotics: A possible threat. Mariam Nadeem Rana, **Zia-ur-Rehman Farooqi**, Mahwish Latif. Pak Armed Forces Med J 2016; 66 (Suppl-1): S67-71 (HEC 'X')
9. Antioxidant Potential of Leaves of Opuntia monacantha Ethanol Extract and its Fractions: An In vitro Study. Faiza Naseer, Sohail Ahmad, Taseer Ahmad, **Zia-ur-Rehman Farooqi**, Nadia Perveen and Saba Irshad. Global Journal of Pharmacology 9 (1): 81-86, 2015.
10. The IFN- λ Genetic Polymorphism Association with the Viral Clearance Induced by Hepatitis C Virus Treatment in Pakistani Patients. Imran Tipu, Fiona Marriage, **Zia-ur-Rahman Farooqi**, Hazel Platt, Muhammad Amin Athar, Philip John Day, and Andrea Short. Hepat Mon. 2014 Mar; 14(3): e15076. Published online 2014 Mar 9. doi: 10.5812/hepatmon.15076 (IF 1.677)
11. Frequencies of two functionally significant SNPs and their haplotypes of organic anion transporting polypeptide 1B1 SLC01B1 gene in six ethnic groups of Pakistani population. "Tausif Ahmed Rajput, Abdul Khaliq Naveed, **Zia-ur-Rehman Farooqi** and Shakir Khan". 2014. Iran J Basic Med Sci, Vol. 17, No. 6, 441-447 (IF 1.424)
12. Interleukin-10 gene promoter polymorphism as a potential host susceptibility factor in Pakistani patients with pulmonary tuberculosis. "Muhammad Sohail Afzal, Sadia Tahir, Amna Salman, Sajjad Ashraf, **Zia-ur-Rehman Farooqi**, Sher Zaman Safi and Ishtiaq Qadri. African Journal of Biotechnology, 10(66), pp. 14706-14710, 26 October, 2011
13. Association of interleukin-10 polymorphism and malarial susceptibility in Pakistani population. Muhammad Sohail Afzal, Shakir Ullah, **Zia-ur-Rehman Farooqi**, Sadia Anjum, Talha Shafi, Tahir Ahmed, Muhammad Ashraf, Ishtiaq Qadri. Asian Biomedicine Vol. 6 No. 3 June 2012; 337 – 342 (IF 0.148)
14. Pharmacokinetics of standard dose regimen of rifampicin in patients with pulmonary tuberculosis in Pakistan. "Abida Shaheen, Muzammil Hasan Najmi, Waseem Saeed & **Zia-ur-Rehman Farooqi**. Scandinavian Journal of Infectious Diseases, Scand J Infect Dis. 2012 Jun;44(6):459-64. doi: 10.3109/00365548.2011.647832. (IF 1.706)
More: <http://informahealthcare.com/doi/pdf/10.3109/00365548.2011.647832>
15. Interleukin-12 p40 (IL-12B) Taq-1 polymorphism association in Pharmacogenomics of HCV genotype 3a infection from Pakistani. **Zia-ur-Rehman Farooqi**, Muhammad Sohail Afzal, Sadia Tahir, Najam-us-Sahar Sadaf Zaidi, Ishtiaq Qardi. 2011 International Conference on Environmental, Biomedical and Biotechnology IPCBEE vol.16 (2011) © (2011)IACSIT Press, Singapore

16. Seroprotection after Hepatitis B vaccination in expanded program of immunization “Mohammad Afzal, Khaliq Naveed, Shabbir Hussain, Shaukat Mehmood Qureshi, Asifa Majeed, **Zia Farooqi**, Alizay Gohar and Abdul Wahab”.British Journal of Medical Practitioner, December 2011 4(4):a445 (**IF 0.26**)
17. Determination of pharmacokinetics of flurbiprofen in Pakistani population using modified HPLC method. Ayesha Qayyum, Muzammil Hasan Najmi, **Zia-ur-Rehman Farooqi**. Journal of Chromatographic sciences. 2011; 49(2):108-13. (**IF 0.984**)
18. Molecular detection of HEV in sewerage water of Pakistan. Tahir Ahmad, Yasir Waheed, Sadia Tahir, Sher Zaman Safi, Kaneez Fatima, Muhammad Sohail Afzal, **Zia-ur-Rehman Farooqi**, Ishtiaq Qadri. J Infect Dev Ctries 2010; 4(12):842-845

Bio-Marker For Prostate Cancer: Malondialdehyde (MDA) Levels In Prostate Cancer Patients As Compared To Normal Control In Pakistani Population.” Maria Arif, Amir Rashid, Abdul Khaliq Naveed, Suhail Razak, **Zia-ur-Rahman Farooqi** and Fatima Qaisar (**manuscript in press**)

Association of Interleukin-12 P35 (IL-12 A) Gene Polymorphism in Therapeutic Success of Pakistani Patients Infected with HCV Genotype 3a. **Zia-ur-Rehman Farooqi**, Muhammad Sohail Afzal, Sadia Tahir , Najam-us-Sahar Sadaf Zaidi and Ishtiaq Qadri. (**manuscript in press**)

Pharmacogenomics of HCV (review). (**manuscript in progress**)

B. Sequences

Accession GQ411069

Hepatitis C virus isolate Pak-NCVI2 A polyprotein gene, partial cds. Tahir,S., Fatima,K., Afzal,M.S., Ahmed,T., Waheed,Y., **Farooqi,Z.U** and Qadri,I

Accession GQ411072

DEFINITION Hepatitis C virus isolate Pak-NCVI2 B polyprotein gene, partial cds. Tahir,S., Fatima,K., Waheed,Y., Afzal,M.S., Ahmed,T., Safi,S.Z., Qadri,I., Waheed,Y., **Farooqi,Z.U.** and Salman,A.

Accession GQ411071

DEFINITION Hepatitis C virus isolate Pak-NCVII C polyprotein gene, partial cds. Tahir,S., Ahmed,T., Afzal,M.S., Waheed,Y., Fatima,K., **Farooqi,Z.U.** and Qadri,I.

PRESENTATIONS:

A. Conferences

1. Seminar on “Future Trends of Medical Lab Professionals” Organised by Medical Lab Technologist Association of Pakistan in collaboration with International Health Expo on 06 October, 2018. (**Guest speaker**)
2. Exhibitor at **World Hepatitis Summit 2018**, held in collaboration of World Hepatitis Alliance (NoHep village) at **Toronto, Canada** on 13 – 15 June, 2018.
3. Oral presentation in 1st UHS Allied Health Sciences, Nursing and Pharmacy International Conference on “Bridging the gaps in Healthcare: Improving patient care outcomes; titled “A Comparative Study of

- Quality Of Life among Male and Female Tuberculosis Patients”. Zainab Zahoor, Sadaf Afreen, **Zia -ur-Rehman Farooqi** . University of Health Sciences on 25-26, November 2016.
4. Oral presentation in 1st UHS Allied Health Sciences, Nursing and Pharmacy International Conference on “Bridging the gaps in Healthcare: Improving patient care outcomes; titled “A Comparative Study Of Depression Among Male And Female Tuberculosis Patients”. Nouman Faryad, Sadaf Afreen, **Zia -ur-Rehman Farooqi** . University of Health Sciences on 25-26, November 2016.
 5. Participated in 11th Annual conference of the Asian Association of transfusion on October 9-11, 2015, Islamabad, Pakistan.
 6. Oral Presentation in “First Annual Shifa Research Conference, on titled _____ held by Shifa International hospital, Islamabad on 19-20, December, 2015.
 7. Oral presentation in “International Conference for Environment, Biomedical and Biomedicine” on “**IL-12 polymorphism association in Pharmacogenomics of HCV of Pakistani population infected with genotype 3a**” **Zia ur Rehman Farooqi**, Muhammad Sohail Afzal, Sadia Tahir, Najam-us-Sahar Sadaf Zaidi, Ishtaiq Qardi held at **Shanghai ,China** on 19-21 August 2011.
 8. Poster presentation in “1st International symposium on HCV management in Pakistan on 2011“**Pharmacogenomics status of HCV**” **Zia ur Rehman Farooqi**, Muhammad Sohail Afzal, Kehkashan Naeem, Mustafeez Mujtaba Babar, Muhammad Suleman Riaz, Kaneez Fatima, Najam-us-Sahar Sadaf Zaidi, Ishtaiq Qardi.

B. Workshops & Trainings

1. **Bioscience summer school (Training on Lab on chip, Bioprinting, Arduino and CRISPR-CAS9)** held at **Codon Corps Islamabad** Pakistan on 02-04 August, 2019
2. Workshop on “**Andragogical skills for Higher education**” held at the University of Lahore (Gujrat Campus) on 16-18 January, 2019.
3. Workshop on “**How critical thinking can address challenges in teaching/learning?**” held at the University of Lahore (Gujrat Campus) on 20 November, 2018.
4. One day seminar on **Biosafety and Biosecurity** held by University of Lahore (Gujrat Campus) on 24 October , 2018
5. One day training session on “**Self-Assessment Report**” held by University of Lahore (Gujrat Campus) on 04 October , 2018
6. Training on “**Bio-risk Management**” held by **Frontline foundation USA** on 2018.
7. Training on “**Use of Biosafety Cabinet**” held by **Frontline foundation USA** on 2018.
8. Training on “**Dual use of Research**” held by **Frontline foundation USA** on 2018.
9. Training on “**Bio-waste Management**” held by **Frontline foundation USA** on 2018.
10. **Workshop for Technology Programs Evaluators** held by National Technology Council in Collaboration with QAA-HEC, Islamabad Pakistan on 23 – 25 May, 2017.
11. **Biosafety & Biosecurity in Clinical Diagnostics** workshop organised in collaboration by Shifa Tameer-e-Millat University, Islamabad and National Academy of Young Scientists (NAYS), Pakistan on May 14, 2016 (**Resource Person and organiser**).
12. **Scientific Manuscript writing** held at COMSATS Institute of Information Technology on July 2016.
13. **In-Service training Course in Pedagogical Skills**, organised by GIZ Germany, European Union and Govt. of Pakistan on February 09 – March 07, 2015.
14. 2nd Rawalpindi Medical College International Scientific Conference, pre-conference workshop titled **Literature search and Reference Managing Tools**, on December 14, 2015 (**Resource Person**).
15. Biosafety training workshop for young scientists held at Allama Iqbal Open University, Islamabad, held by American society for microbiology & National Academy of young scientists on 16th January, 2014.
16. **Research Methodologies and Applications** held in Centre for Research in Experimental and Applied Medicine, Army Medical College (NUST) at 17-18 September, 2012 (**Resource Person**).
17. Training for Lab. Tech and Lab Assistants held at Professionals Development Centre NUST at February, 2012.
18. **Fundamentals of Biotechnology “Diagnostic and Research Approach”** held in Centre for Research in Experimental and Applied Medicine, Army Medical College (NUST) at 24-26 May 2011 (**Resource Person**).
19. National seminar on **Nanomedicine and Nanodentistry** held at PINSAT, Preston University & Shifa College of Medicine on 15th December, 2011

20. International Training Course on **Microarray Technology for Gene Discovery and Expression** held at Centre of Excellence in Molecular biology (CEMB) Lahore, since 5th – 9th October, 2009.
21. Workshop on **Working with Laboratory Animals** held at Army Medical College, National University of Science and Technology (NUST), Islamabad since 27th – 28th May, 2008.
22. Participant of the Seminar on **New Possibilities in LC/MS** held by Bio Molecular Systems (Pvt) Ltd Karachi. On January 18th, 2007.
23. Certificate of **Medical Informatics** attended at Shifa College of Medicine, Islamabad since 16th – 22nd December, 2005.
24. Six months Training on **Abbot Axsym Immunology System** arranged by Abbot Laboratories (Pakistan) Limited (Diagnostic Division).

A. Presentations

- ❖ Latest Research and Islam
- ❖ Advances in Stem cell Research.
- ❖ Epigenetic regulations of Cytokines genes in health and Disease.
- ❖ Transplant immunology.
- ❖ Immune failures in cancer.

DISTINCTIONS, AWARDS AND SCHOLARSHIPS

- ❖ **Consultive member on development of curriculum on Transfusion Medicine** in collaboration with Safe Blood Transfusion program and GIZ Germany.
- ❖ Establishment of Department of Medical Technology Organizing Board of studies, Curriculum revision, Budget preparation at Shifa Tameer-e-Millat University, **2014 to date**
- ❖ Organizer of Debate competition on celebrations of Blood donor day **2014**
- ❖ **Facilitator/Speaker** at Center for Research in Experimental and Applied Medicine (CREAM), A.M. College (NUST), Rawalpindi in “**2 days Workshop Fundamentals of Biotechnology- Diagnostic and Research Approach**”
- ❖ Member of organizing committee of “**1st International Symposium on HCV**” held at National university of Sciences and Technology, Islamabad.
- ❖ 3rd position at district level Science quiz.

Professional trainings & Certifications

Sr.	Institute name	Type of training	Duration		Degree/Certification/ Diploma obtained
			From	To	
1	Frontline Foundation USA	Biorisk management		2018	Yes
2	Frontline Foundation USA	Use of Biosafety Cabinet		2018	Yes
3	Frontline Foundation USA	Dual use of Research		2018	Yes
4	Frontline Foundation USA	Bio-waste Management		2018	Yes
5	National Technology Council	Technology Programs Evaluators	23-05-2017	25-05-2017	Yes
6	GIZ Germany, European Union and Govt. of Pakistan	In-Service training Course in Pedagogical Skills	09-02-2015	07-03-2017	Yes
7	Centre of Excellence in Molecular biology (CEMB) Lahore	Microarray Technology for Gene Discovery and Expression	05-10-2009	09-10-2009	Yes
8	Army Medical College (NUST)	Working with Laboratory Animals	27-05-2008	29-05-2008	Yes
9	Bio Molecular Systems (Pvt) Ltd Karachi	New Possibilities in LC/MS		2007	Yes
10	Shifa College of Medicine	Medical Informatics	16-12-2005	22-12-2005	Yes

11	Abbot Laboratories (Pakistan) Limited (Diagnostic Division)	Abbot AxSYM Immunology System	Six Months	Yes
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REFERENCES:

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Quaid-e-Azam University, Islamabad
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Associate Professor & HOD Industrial
Biotechnology
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