



TO THE MAGNIFICENT RECTOR OF THE UNIVERSITY OF MILAN

ID CODE 6464

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di health Sciences for 28 months**

Scientist- in - charge: Raffaella Chiamonte

[Fizza Nazim]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Nazim
Name	Fizza

CURRENT EMPLOYMENT

Appointment	Structure
Dec 2023-to date Research Specialist July 2018 - Nov 2023 Senior Research Assistant	Aga Khan University (AKU), Karachi, Pakistan Main Duties of the job: <ul style="list-style-type: none">• Facilitating and organizing physiology, histology, pharmacology, and biochemistry practical sessions for medical and PhD students.• In-charge of tissue culture and genomic lab• Research projects related to Prostate cancer, viruses (HIV, CMV, EBV), epigenetics, Biofilm and Acanthamoeba.• Grant writing and management, ERC/ECACU forms submission, inventory/procurement management.• Supervise and train other staff/students.
Jan 2015 - Jun 2018 Medical Laboratory Technologist	Child Aid Association, National institute of child health (NICH), Karachi, Pakistan Main Duties of the job: <ul style="list-style-type: none">• Culturing, processing, slide making, staining of blood and bone marrow for cancer detection via FISH, flow cytometry and immunohistochemistry.• Analyze and report all genetic/cancer chromosomal anomalies and classify its karyotypes using CytoVision 7.2• Real time qPCR for Hepatitis B & C diagnosis.



EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Bachelors	Biotechnology (Bsc+Msc= 16 years of education)	University of Karachi, Pakistan	2011-2014
Master	MS Biosciences	SZABIST, Pakistan	2018
PhD	PhD Biosciences	SZABIST, Pakistan	2024

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
	N/A	

FOREIGN LANGUAGES

Languages	level of knowledge
English	Fluent

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2018	Poster presentation on “Identification of Autophagy status in Epithelial Ovarian Neoplasia (tumor/cancer) cases” at SZABIST and received First prize.
2018	Poster presentation on “Prevalence of developmental anomalies of external genitalia in paediatrics” at AKU Paediatrics Research Day 2018 and received Second

TRAINING OR RESEARCH ACTIVITIES

<p>After dedicating 5.5 years to research and gaining 3.5 years of experience in clinical laboratory settings, I have honed my skills in the following techniques:</p> <ul style="list-style-type: none">• Molecular cloning, transfection, and transformation• Cell line, primary cell culture and in vitro assays• Flow cytometry• Fluorescent in situ hybridization (FISH)• SDS PAGE and western blotting• Immuno-histo/cytochemistry (IHC/ICC)• Immunofluorescence (IF)• PCR and qRT-PCR• ELISA• Karyotyping



CONGRESSES AND SEMINARS

Date	Title	Place
2023	Oral presentation on “Infection Rates and Analysis of Differential Expression of Cytokines in HIV Mono- and HIV-CMV-EBV Co-Infected Groups” at 3rd annual Biological Sciences Conference, 2023.	AKU, Karachi Pakistan
2022	Facilitated 5-day workshop on “From Tissue to Target: A complete Immunohistochemistry (IHC) Hand-on Training Workshop” organized by Department of Biological & Biomedical Sciences, Aga Khan University, Karachi, from Nov 7 - 11,2022.	AKU, Karachi Pakistan
	Attended “52 weeks of biosafety course” internationally accredited, developed & endorsed by ASM, Safer Behaviors and Aga Khan University.	AKU, Karachi, Pakistan
2017	Oral presentation on “Comparative analysis of results of blood and bone-marrow samples using flow-cytometry technique for leukemia in pediatrics” at 40th annual conference of Pakistan Association of Pathologists (PAP) 2017.	Karachi, Pakistan

PUBLICATIONS

Nazim, F. , Kayani, H.A., Ali Nathwani, A., Mir, F. and Abidi, S.H., 2022. CMV and EBV co-infection in HIV-infected children: infection rates and analysis of differential expression of cytokines in HIV mono-and HIV-CMV-EBV co-infected groups. <i>Viruses</i> , 14(8), p.1823.
Nazim, F. , Sukkurwala AQ, Bari MF, Muhammad TG, Rahat N. Identification of Autophagy Status in Diagnosed Epithelial Ovarian Tumor/Cancer Cases. <i>Avicenna JMed Sci</i> 2022; 2 (2): 9-14.
Ghulam, U., Nazim, F. , Farooqui, N., Rizwan-ul-Hasan, S., Anwar, M.F., Ahmed, K., Jamal, A., Kayani, H.A., Mughal, N., Hussain, A. and Sarria-Santamera, A., 2022. Analysis of differential gene expression of pro-inflammatory cytokines in the nasopharyngeal milieu of mild & severe COVID-19 cases. <i>Plos one</i> , 17(12), p.e0279270.
Ahmed, M.A., Nazim, F. , Ahmed, K., Bari, M.F., Abdulwahed, A., AlMokhatieb, A.A., Alalvi, Y., Abduljabbar, T., Mughal, N. and Abidi, S.H., 2022. Association between the baseline gene expression profile in periapical granuloma and periapical wound healing after surgical endodontic treatment. <i>Scientific reports</i> , 12(1), p.13824.
Ahmed, M.A., Anwar, M.F., Ahmed, K., Aftab, M., Nazim, F. , Bari, M.F., Mustafa, M., Vohra, F., Alrahlah, A., Mughal, N. and Abidi, S.H., 2021. Baseline MMP expression in periapical granuloma and its relationship with periapical wound healing after surgical endodontic treatment. <i>BMC Oral Health</i> , 21(1), pp.1-9.
Mastoor, S., Nazim, F. , Rizwan-ul-Hasan, S., Ahmed, K., Khan, S., Ali, S.N. and Abidi, S.H., 2022. Analysis of the antimicrobial and anti-biofilm activity of natural compounds and their analogues against <i>Staphylococcus aureus</i> isolates. <i>Molecules</i> , 27(20), p.6874.
U Rehman, M., Khan Jokhio, D., Qayyum, A., Nazim, F. , Ahmed Memon, N. and Raza, J., 2022. To Determine the Mean Glycemic Changes after Vitamin D3 Supplement in Children with Type I Diabetes Mellitus and Vitamin D Deficiency Presenting at a Tertiary Care Hospital in Karachi. <i>Journal of Pharmaceutical Research International</i> , 34(31B), pp.1-7
Tariq, J., Sajid, I., Nazim, F. and Abdi, H., 2021. Assessing the significance of Bacille Calmette-Guerin (BCG) Vaccine in COVID-19 Patients: Is it still relevant? <i>Pakistan Journal of Microbiology</i> , 2(1), pp.24-30.
Nazim, F. , Shirwani, S., Urooj, S. and Abidi, S.H., 2021. In vitro and in vivo efficacy of natural plant extracts against biofilm-forming clinical isolates of <i>Pseudomonas aeruginosa</i> . <i>Pakistan Journal of Microbiology</i> , 2(1),



pp.18-23.
Baig, A.M., Katyara, P., Khaleeq, A. and Nazim, F., 2019. Repurposing drugs: Ca ²⁺ ion dependency that can be exploited to treat keratitis caused by Acanthamoeba castellanii. <i>Eye</i> , 33(11), pp.1823-1825.
Baig, A.M., Katyara, P., Rajabali, M.N., Khaleeq, A., Nazim, F. and Lalani, S., 2019. Neuroleptic drug targets a brain-eating amoeba: effects of promethazine on neurotropic Acanthamoeba castellanii. <i>ACS Chemical Neuroscience</i> , 10(6), pp.2868-2876.
Baig, A.M., Khaleeq, A. and Nazim, F., 2019. Targeting CNS Related Protist Pathogens: Calcium Ion Dependency in the Brain-Eating Amoebae. <i>ACS Chemical Neuroscience</i> , 11(16), pp.2385-2387.
Nazim, F., Khan, M., Usman, N., Hashim, M., Hanan, E., Shah, S.A., Irfan, S., Ahmed, K. and Abidi, S.H., 2020. Detection and Inhibition of Staphylococcus aureus Biofilms by Chemical Agents. <i>Pakistan Journal of Microbiology</i> , 1(1), pp.12-19.
Baig, A.M., Rana, Z., Mannan, M.M., Khaleeq, A., Nazim, F., Katyara, P. and Abbas, F., 2020. Future Oncotargets: Targeting Overexpressed Conserved Protein Targets in Androgen Independent Prostate Cancer Cell Lines. <i>Anti-Cancer Agents in Medicinal Chemistry (Formerly Current Medicinal Chemistry-Anti-Cancer Agents)</i> , 20(8), pp.1017-1027.
Baig, A.M., Khan, N.A., Katyara, P., Lalani, S., Baig, R., Nadeem, M., Akbar, N., Nazim, F. and Khaleeq, A., 2021. 'Targeting the feast of a sleeping beast': Nutrient and mineral dependencies of encysted Acanthamoeba Castellani. <i>Chemical Biology & Drug Design</i> , 97(1), pp.18-27.

OTHER INFORMATION

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Pakistan, 1st March 2024