



TO THE RECTOR OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE \_\_\_\_\_A034\_\_\_\_\_

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** \_\_ Biotecnologie Mediche e Medicina Traslazionale dell'Università degli Studi di Milano \_\_

Scientist- in - charge: \_\_\_\_\_ supervision of Prof. Riva Paola \_\_\_\_\_

**[Hafza Zahira Manzoor]**

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Manzoor	
Name	Hafza Zahira	

### PRESENT OCCUPATION

Appointment	Structure
PhD doctorate	PhD in experimental and translation medicine

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
PhD	Experimental and Translational medicine	University of Insubria, Varese, Italy	2025
Degree of medical specialization			
Master Degree	Mphil Microbiology (virology, Immnuology, Cell culture)	University of Veterinary and Animal Sciences, Lahore	2019
Master			
Degree of European specialization	Bachelor of Science in Microbiology	Government college University Faisalabad, Pakistan	2017
Other			

### FOREIGN LANGUAGES



Languages	level of knowledge
English	C1 (reading, writing, listening, speaking)
Italian	A2(reading, writing, listening, speaking)

## AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2021-2024	Italian government PhD scholarship
2019	Foot and Mouth Disease FMD Virus Vaccine-Matching training – The Pirbright Institute
2019	Association for Veterinary Teaching and Research Work (AVTRW), poster presentation travel award – Royal Veterinary College London, UK
2019	poster presentation award – The Rosaline Institute, UK
2017	Prime Minister Bright student Master scholarship award – University of Veterinary and Animal Sciences UVAS Lahore, Pakistan

## TRAINING OR RESEARCH ACTIVITY

<p>description of activity</p> <p>2021-2024: As a <b>PhD researcher</b>, I conducted extensive work in molecular and cell culture laboratories to investigate the Torque Teno Virus (TTV) as an immune system biomarker. My research focused on analyzing cytokine production to understand TTV-immune interactions. This involved mastering various molecular and cell culture techniques and utilizing statistical tools like SAS and GraphPad Prism for data analysis.</p> <p>Abstract: Torque Teno Virus (TTV) is a ubiquitous component of the human virome, not associated with any disease. As its load increases when the immune system is compromised, such as in kidney transplant (KT) recipients, TTV load monitoring has been proposed as a method to assess immunosuppression. In this prospective study, TTV load was measured in plasma and urine samples from 42 KT recipients, immediately before KT and in the first 150 days after it. Data obtained suggest that TTV could be a relevant marker for evaluating immune status and could be used as a guide to predict the onset of infectious complications in the follow-up of KT recipients. Since we observed no differences considering distance from transplantation, while we found a changing trend in days before viral infections, we suggest to consider changes over time in the same subjects, irrespective of time distance from transplantation.</p> <p>13/04/2020 – 18/10/2022 Pakistan</p> <p><b>VOLUNTEER</b> BSL-3 FOR EMERGING PATHOGENS, UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES, LAHORE.</p> <p>From 2020-2021 i worked as a COVID-19 volunteer on projects entitled “<b>Testing of Novel Coronavirus (2019-NCOV) in Suspected Human Cases</b>” and “<b>Optimization of Smart Surveillance for Smart Lockdown Strategy through Monitoring SARS-COV-2 from Sewage Water.</b>”. I had fulfilled my responsibilities in the BLS3 lab by processing samples from different Punjab, Pakistan districts. My team and I as team leader, processed the samples from different district of Pakistan for viral extraction and PCR amplification.</p> <p>03/01/2019 – 08/01/2019: <b>TRAINEE</b> WORLD REFERENCE LABORATORY, THE PIRBRIGHT INSTITUTE, WOKING, UK</p>
---



As a trainee I attended a training course on Foot and Mouth Disease Virus (FMDV) Vaccine Matching to get familiar with well-developed diagnostic techniques such as Virus Neutralization Test (VNT), MTT Assay, ELISA for FMD.

30/07/2018 – 03/08/2018: **TRAINEE** QUALITY OPERATION LABORATORIES, AT UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES, LAHORE

As a trainee I had attended a hands-on course on vaccine matching which includes various molecular and serological techniques such as PCR, ELISA, VNT, TCID-50, that was helpful in my MPhil research.

## PROJECT ACTIVITY

Year	Project
2021-2024	Torque Teno Virus: A Promising Biomarker in Kidney Transplant Recipients
2020-2021	Testing of Novel Coronavirus (2019-NCOV) in Suspected Human Cases
2020-2021	Optimization of Smart Surveillance for Smart Lockdown Strategy through Monitoring SARS-COV-2 from Sewage Water.”
2017-2019	Development of 146S ELISA kit against Foot and Mouth Disease Virus

## PATENTS

Patent
N/A

## CONGRESSES AND SEMINARS

Date	Title	Place
2024	3rd International Mycobacterium Ulceran Conference, Melbourne, Australia.	Melbourne, Australia
2024	American Society for Microbiology ASM Microbes 2024, Atlanta, USA.	Atlanta, USA
2024	HIC-Vac Annual Meeting 2024: "The role of human infection challenge in accelerating vaccinology" Liverpool, UK	Liverpool, UK
2023	European Society for clinical Microbiology and Infectious Disease (ECMID) Conference, Copenhagen, Denmark	Copenhagen, Denmark
2023	HIC-Vac Annual Meeting 2023, UK	London, UK
2022	FEBS-IUBMB-enable conference, at Institute of biomedical Sciences, Sevilla, Spain	Sevilla, Spain
2022	Association for Veterinary Teaching and Research Work (AVTRW), London	London, UK



2019	International Veterinary Vaccinology Network Conference (IVVN), UK	London, UK
2018	International Poultry Expo, Lahore, Pakistan	Lahore, Pakistan
2017	One Health program for Microbiology Lahore, Pakistan	Faisalabad, Pakistan
2015	Workshop of American Society for Microbiology (ASM) GCUF, Pakistan	Faisalabad, Pakistan

## PUBLICATIONS

Books	
<b>2024:</b>	<b>Torque Teno Virus: A Promising Biomarker in Kidney Transplant Recipients</b> <a href="https://doi.org/10.3390/ijms25147744">https://doi.org/10.3390/ijms25147744</a>
2023	<b>A STUDY ON HOMOLGY AND HETEROLOGY BETWEEN PANASIA-II &amp; PAK-98 LINEAGES OF FOOT AND MOUTH DISEASE VIRUS SEROTYPE-O</b> <a href="https://doi.org/10.56520/asj.v5i3.333">https://doi.org/10.56520/asj.v5i3.333</a>
2023	<b>ANTIBIOTIC RESISTANCE AND MOLECULAR DETECTION OF nuc AND mecA GENES OF STAPHYLOCOCCUS AUREUS ISOLATED FROM MASTITIC MILK</b> <a href="https://doi.org/10.56520/asj.v5i1.235">https://doi.org/10.56520/asj.v5i1.235</a>
2022	<b>Recent advances in glioma Cancer treatment: conventional and epigenetic realms</b> <a href="https://www.mdpi.com/2076-393X/10/9/1448">https://www.mdpi.com/2076-393X/10/9/1448</a>

Articles in reviews
[title of the article, review, place, publishing house, year ...]
[title of the article, review, place, publishing house, year ...]

Congress proceedings
The incidence and current treatment options for multidrug resistant Acinetobacter baumannii infections in clinical settings. <a href="https://pmc.ncbi.nlm.nih.gov/articles/PMC10273058/">https://pmc.ncbi.nlm.nih.gov/articles/PMC10273058/</a>
<b>TORQUE TENO VIRUS AND ITS RELATIONSHIP WITH CYTOKINE PRODUCTION</b> <b>American Society of Microbiology ASM Microbes 2024, Atlanta</b>
[title, structure, place, year]

## OTHER INFORMATION

Good Listening and Communicating Power Point Microsoft Word Good command of programmes on statistical computing and graphs (GraphPad prism, R)
Beyond my technical skills, I possess strong critical thinking, problem-solving, and communication abilities. I thrive in collaborative research environments and am passionate about conducting rigorous scientific investigations that can lead to meaningful discoveries. I am confident that my combination of academic training, research expertise, and enthusiasm for the project would make me an asset to your team.



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: \_\_\_\_\_ Varese, Italy \_\_\_\_\_, \_\_\_\_\_ 23/01/2025 \_\_\_\_\_