



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE ____5875_

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 __Department of Biomedical and Clinical Sciences__

Scientist- in - charge: _

“Domanda concorso Assegno di Ricerca Prof. Abrignani Sergio, ” _

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Sultan
Name	Shaiq

PRESENT OCCUPATION

Appointment	Structure
Postdoc	University of Padova

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Microbiology and Molecular genetics	Punjab University, Lahore, Pakistan	2010
Specialization	Biotechnology	GCUF, Faisalabad, Pakistan	2014
PhD	Biomedical sciences and Biotechnology	University of Ferrara	2021
Master			
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of	Association	City
2010		Member of American society of Microbiology	America
2020		Italian society of Biochemistry and Molecular Biology. SIB	Italy
2023		SIMGBM	Italy

FOREIGN LANGUAGES

Languages	level of knowledge
English	CAE
Italian	B2
Urdu	Mother Tongue
Punjabi	C2
Arab	B2
Chinese	A2

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2020	Winner of International Mobility award (RCSI, Dublin), Ireland. 2-03-2020 till 24-06-2020
2019	PhD Fellowship
2018	Fellowship award (5 months)
2014	Merit Laptop award

TRAINING OR RESEARCH ACTIVITY

description of activity

PROJECT ACTIVITY

Year	Project
2022-2023	Long Projects: (1) Investigating the role of the integral membrane protein LysX2 in Mycobacterium tuberculosis virulence.
2018-2021	(2) Novel strategies to modulate CFTR expression in cystic fibrosis: miRNAs targeting and PNA masking.
2017-2018	(3) Chemical Library of UNIFE (CheLiFe) generation, management and high throughput screening for the discovery of lead compounds for biomedical applications. (4) Expression analysis of WRKY 11 and WRKY 17 IN Arabidopsis. (Thesis was compiled) 1 year



2014	Project.
2010	(5) Isolation of coal residing bacteria (iron and sulfur oxidizing bacteria) from coal sample. (Thesis was compiled) 1Year Project .
	Short Projects
Jan- march 2015	(1) Genome-wide analysis of stress responsive WRKY transcription factors in Arabidopsis thaliana. (3 months Project and research paper is written)
April- June 2015	(2) Computational analysis of HD-Zip transcription factors from Arabidopsis thaliana. (3 months Project and research paper is written)
August- October 2015	(3) Comparative computational analysis of SBP transcription factors in Arabidopsis and diploid cotton (<i>Gossypium raimondii</i>) (3 months Project and research paper is written)
Jan- August 2011	(4) Isolation and characterization of Enterobacteriace family in urinary tract infection. (6 months Project and research paper is written)
Jan- March 2009	(5) Isolation and characterization of yeast and their DNA and RNA isolation and their comparison.
June- August 2009	(6) Biodegradation of textile dyes synozol red HF6BN by locally isolated bacteria.
September 2018- october 2018	Training of Biacore- Surface Plasmon resonance at Universita degli studi di Ferrara, Italy
October 2016- November 2016	Trainings of New Generation Chromatography , Gel Documentation Systems, Thermal cyclers, Real Time PCR and DDPCR

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
September 18-20 (2019)	Shaiq Sultan*, Enrica Fabbri, Anna Tamanini, Jessica Gasparello, Alex Manicardi, Roberto Corradini, Alessia Finotti, Chiara Tupini, Ilaria Lampronti, Maria Cristina Dehecchi, Giulio Cabrini, Roberto Gambari, and Monica Borgatti. 2019. "CFTR up-regulation by targeting miR-145-5p binding sites with a PNA-based masking strategy". 60th International congress of Italian society of Biochemistry and Molecular Biology.	Lecce, Italy



October 10-12 (2019)	Shaiq Sultan*, Enrica Fabbri, Anna Tamanini, Jessica Gasparello, Alex Manicardi, Roberto Corradini, Alessia Finotti, Chiara Tupini, Ilaria Lampronti, Maria Cristina Dehecchi, Giulio Cabrini, Roberto Gambari, and Monica Borgatti. "A PNA-based masking strategy for CFTR upregulation by targeting miR-145-5p binding sites" 24th World congress on advances in oncology and International symposium on molecular medicine.,	Sparta, Greece
September, 09-11 (2014)	Shaiq sultan, R.M. Atif, F, Azeem, Habibullah nadeem, M. Husnain siddique and M. amjad Ali. 2014. Genome wide analysis of stress responsive WRKY transcription factors in Arabidopsis thaliana. International Conf. on agricultural food security and climate change . Biotech.	Rawlakot, Pakistan
February, 18-20 (2014)	Shaiq sultan, F, Azeem, Habibullah and M. amjad Ali. 2014. Expression analysis of WRKY genes in Arabidopsis thaliana in response to various abiotic stresses. International Conf. on applied chemical biology and aquatic sciences . Biotech., pp. 112	Faisalabad, Pakistan
May 13-15, (2015)	Javaid, M.S., B. Naz, M.A. Ali, S. Muntaha, B. Saleem, A. Arshad, S. Sultan, F. Azeem, Mahmood-ur-Rahman, U.A. Ashfaq. Computational analysis of HD-Zip transcription factors from Arabidopsis thaliana. 3rd National Computational Science Conference, Institute of Space Technology. Abstract Book Pp. 59	Islamabad, Pakistan
May 13-15, (2015)	Hussain, A., M.A.Ali, F. Azeem, H. Nadeem, M.H. Siddique, Mahmood-ur-Rahman, S. Sultan, A. Abbas. In silico analysis of ethylene response factors (ERFs) in maize (Zea mays L.). 3rd National Computational Science Conference, Institute of Space Technology, on. Abstract Book Pp. 162.	Islamabad, Pakistan
May 13-15, (2015)	Alia, K.B., M.A. Ali, A. Hussain, A. Shahid, F. Azeem, R. M. Atif, S. Sultan, A. Abbas, H. Nadeem, M. H. Siddique. Comparative computational analysis of SBP transcription factors in Arabidopsis and diploid cotton (Gossypium raimondii). 3rd National Computational Science Conference, Institute of Space Technology. Abstract Book Pp. 178	Islamabad, Pakistan

PUBLICATIONS

Books



[title, place, publishing house, year ...]

[title, place, publishing house, year ...]

[title, place, publishing house, year ...]

Articles in reviews

1. Breveglieri, G.; Pacifico, S.; Zuccato, C.; Cosenza, L.C.; Sultan, S.; D'Aversa, E.; Gambari, R.; Preti, D.; Trapella, C.; Guerrini, R.; Borgatti, M. Discovery of Novel Fetal Hemoglobin Inducers through Small Chemical Library Screening. *Int. J. Mol. Sci.* 2020, 21, 7426
2. Sultan, S.; Rozzi, A.; Gasparello, J.; Manicardi, A.; Corradini, R.; Papi, C.; Finotti, A.; Lampronti, I.; Reali, E.; Cabrini, G.; Gambari, R.; Borgatti, M. A Peptide Nucleic Acid (PNA) Masking the miR-145-5p Binding Site of the 3'UTR of the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) mRNA Enhances CFTR Expression in Calu-3 Cells. *Molecules* 2020, 25, 1677.
3. Shaiq Sultan, Muahmmad Shahid Javaid, Beenish Naz, Sidra tul Muntaha et al., 2019. "Genome wide analysis of transcription factors of hdzip gene family of Arabidopsis Thaliana", *International Journal of Development Research*, 09, (12), 32139-32152.
4. Shaiq sultan and Muhammad Faisal "Isolation and Characterization of iron and sulfur oxidizing bacteria from coal mines" *Journal of Environment and Earth Science*, Vol.6, No.3, 2016. IC Impact factor. (5.56)
5. Shaiq sultan, Ertuğrul Filiz and Muhammad Amjad Ali "Genome-wide analysis of stress responsive WRKY transcription factors in Arabidopsis thaliana" *Turkish journal of Agriculture-food sciences and technology*, Vol. 4, No. 4, 279-290, 2016. Impact Facor. (0.924)
6. Ayesha siddiqa, Shaiq sultan and Muhammad Faisal "Selenite detoxification by Bacillus spp isolated from indigenous polluted sites" *Journal of Environment and Earth Science*, Vol.4, No.22 2014. IC Impact factor. (5.56)
7. Shaiq sultan, Mohsin Ali and Muhammad Amjad Ali "Genome wide analysis of Heat Shock Factors (HSF) gene family of Arabidopsis thaliana" *Journal of Biology, Agriculture and Healthcare*, Vol.6, No.1, 2016. IC Impact factor. (5.05)
8. Amar Shehzad, Muhammad Furqan Ashraf, Shaiq Sultan and Mohsin Ali "Heterosis Studies for Some Morphological, Seed Yield and Quality Traits in Rapeseed (*Brassica napus* L.)" *Journal of Biology, Agriculture and Healthcare*, Vol.5, No.23, 2015. IC Impact factor. (5.05)
9. Erum Yasmeen, Muhammad Riaz, Shaiq Sultan and Muhammad Amjad Ali "Genome wide analysis of Trihelix transcription factor gene family in Arabidopsis thaliana " *Pak. J. Agri. Sci.*, Vol.53(2), 439-448, 2016 Impact factor. (1.20)
10. Hussain Athar, Shahid M, Shaiq Sultan and Muhammad Amjad Ali "Genome wide analysis of Ethylene responsive factor in Maize: An in silico approach" *Applied ecology and environmental Research*, Vol.14 (5), 177-200, 2016 Impact factor. (0.34)
11. Alia, K.B., M.A. Ali, A. Hussain, A. Shahid, F. Azeem, R. M. Atif, S. Sultan, A. Abbas, H. Nadeem, M. H. Siddique. Comparative computational analysis of SBP transcription factors in Arabidopsis and diploid cotton (*Gossypium raimondii*) December 2017, *Pakistan Journal of Botany* 49(3).

Congress proceedings

XXXIV SIMGBM CONGRESS - MICROBIOLOGY 2023, Cagliari, 21-24 September 2023 (Continued....)



OTHER INFORMATION

April ,2022- August, 2022 Worked as Technical Specialist Pharmacy S. ANTONIO DI MALALBERGO, Italy (Immunological assays, Elisa, Antibody-Antigen interactions, PCR, Flow cytometry, Diagnostics, GMP, GLP)
22 March, 2020- 24 June, 2020 Research Assistant as International Mobility Royal college of surgeons in Ireland (RCSI), Dublin, Ireland (Primary and secondary cellular handling, Protein expression and identifications, mRNA, GMP, GLP)
Jan 2016- August 2017 Product Manager (Application Specialist) Bio-Rad Laboratories, Analytics Jena, Berthold, Pakistan (CRO/CDMO, Sales, Marketing, NGS, RTqPCR, FPLC, Column chromatography, DDPCR, Imaging systems)
July 2010- August 2012. Researcher Punjab institute of nuclear medicine, PINUM Faisalabad, Pakistan (Phage and ribosome display techniques, Molecular biology, Microbiology, PCR, genotyping, Gene expression etc)

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: __04/09/2023_____, __Ferrara, Italy_____