Dr. Saif Ullah Afridi

Doctorate:

Molecular Medicine (Cellular & Molecular Immunology)

Education

- **Post Doctorate, Cellular and Molecular Immunology at Clinical & Translational levels**
  Institute Pasteur of Shanghai–Chinese Academy of Sciences (IPS-CAS) & Guangzhou Women and Children Medical Center (GWCMC), Joint Research Center for Infection and Immunity, Shanghai, China.
  (06.2018 – 06.2021)
  Dissertation: *Infectious Agent-Triggered Cancer Immune Profiling in Hospitalized Ovarian Cancer and Hepatic Carcinoma Patients*

- **PhD, Molecular Medicine (Cellular & Molecular Immunology)**
  Panjwani Centre for Molecular Medicine and Drug Research, International Centre for Chemical and Biological Science (PCMD, ICCBS), University of Karachi, Pakistan. **(11.2011 – 12.2015)**

  Dissertation: *Identification and Characterization of Major Histocompatibility Complexes-Peptide Loading Enhancers for Development of Vaccines*

- **MPhil, Molecular Medicine (Cellular & Molecular Immunology)**
  PCMD, ICCBS, University of Karachi, Pakistan. **(04.2008 – 10.2011)**

- **MSc, Biochemistry**
  University of Peshawar, Peshawar, Pakistan. **(12.2004 – 02.2007)**

Experience

- **Assistant Professor**
  Faculty of Allied Health Sciences, Kohat University of Science and Technology, Kohat, Pakistan **(10.2021 – Present**)

- **Postdoctoral Research Fellow**

  Institute Pasteur of Shanghai–Chinese Academy of Sciences (IPS-CAS) & Guangzhou Women and Children Medical Center (GWCMC), Shanghai, China. **(06.2018 – 06.2021)**

- **Assistant Professor**

  Department of Medical Laboratory Sciences (DMLS), Institute of Allied Health Sciences, The University of Lahore, Islamabad Campus, Pakistan. **(09.2017 – 08.2018)**

- **Assistant Professor**

  Centre for Advanced Drug Research (CADR), COMSATS Institute of Information Technology (CIIT), Abbottabad, Pakistan **(05.2016 – 08.2017)**

- **Chief Scientist/ Senior Applications Specialist** (Cell Biology & Drug Discovery Products)

  Molecular Products Co. (MPC), University Road, Karachi, Pakistan. **(07.2015 – Present)**

- **GRE Instructor**

  Dr. Panjwani Centre for Molecular Medicine and Drug Research, ICCBS, University of Karachi, Pakistan **(06.2013 – 08.2018)**

Research Interests

Cancer Immunology, Drug Discovery, Immune System Regulation, Vaccines Development, Bio-sensing, Biomarkers, Pathways Analysis, Tumor Immune Microenvironment, Immune Pathological Conditions, Multiplexes Analysis

Cellular and Molecular Immunology, Translational Medicine

Characterization Techniques, Tumor Microenvironment Analysis, Diagnostic Kit Development

Last 5 Publications

1. Salam A, Ali A, Nishan U, Khan N, Ibrahim M, Iqbal Z, Muhammad N, Fayyaz A, Muhammad F, Mateen A, Wu Z*, **Afridi S*.** Investigation of Programmed Death Ligand-1 as a new prognostic biomarker in pancreatic cancer patients. ACS Pharmacology & Translational Science. 7, 11, (2024), 3585-3591. / **Q1**

2. Khalil AW, Iqbal Z, Adhikari A, Khan H, Nishan U, Iqbal A, Bangash JA, Tarar OM, Bilal A, Khan SA, Hoessli DC, Assiri MA, Wu Z*, **Afridi S*.** Spectroscopic characterization of eupalitin-3-O-β-D-galactopyranoside from Boerhavia procumbens: In vivo hepato-protective potential in rat model. Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. 304, (2024) 123369 /**Q1**
3. **Afridi S*,** Adnan M, Hameed MW, Khalil AW, Iqbal Z, Hoessli DC, Shahid M, Khan SU, Iqbal J, Zhang X*, and Wu Z*. Small organic molecules accelerate the expansion of Regulatory T cells. Bioorganic Chemistry. 111, (2021) 104908. / **Q1**
4. Song, G., Shi, Y., Zhang, M., Goswami, S., **Afridi, S.,** Meng, L., Ma, J., Chen, Y., Lin, Y., Zhang, J., Liu, Y., Jin, Z., Yang, S., Rao, D., Zhang, S., Ke, A., Wang, X., Cao, Y., Zhou, J., Fan, J., Zhang, X., Xi, R., Gao, Q. (2020). Global immune characterization of HBV/HCV-related hepatocellular carcinoma identifies macrophage and T cell subsets associated with disease progression. *Nature-Cell Discovery*, 6, 90. / **Q1**
5. Yang, H., Ye, S., Goswami, S., Li, T., Wu, J., Cao, C., Ma, J., Lu, B., Pei, X., Chen, Y., Xu, H., Qiu, L., **Afridi, S.,** Xiang, L., Zhang, X. (2020). Highly immunosuppressive HLADRhi regulatory T cells are associated with unfavorable outcomes in cervical squamous cell carcinoma. *International Journal of Cancer*, 146, 1993-2006. / **Q1**

Memberships

- American Society for Microbiology (2020-ASM-Member ID: 200061944) 2020 – Present
- Associate member of the World Academy of Sciences (WAS). 2020 – Present
- Council of Allied Health Scientist Pakistan. 2014 – Present

Awards

- International Postdoctoral Research Project Award, Embrapa Genetic Resources and Biotechnology, Brasília/DF, Brazil, 2024
- BioMed X GmbH-Germany Travel Grants (Outstanding Early-career Scientists Boot Camp Project Presentation Award), 2021

- OCPC-2018 Excellent International Young Scientists Award, China
- GWCMC International Young Scientists NSFC-Project Bonus Awards-2018
- International Postdoctoral Position with $75,000 Research Funds (China 2018)
- 5 Years PCMD, ICCBS Scholarships Award for MPhil/PhD Studies 2008-2013
- COMSATS University Islamabad Research Productivity Awards-2017
- Nominated by COMSATS for HEC Best Research Paper Award 2015/2016
- Nominated by COMSATS for HEC Best Young Researchers Award 2015/2016
- Nominated by CADR-HOD for ASM for Early Career Basic Research Award-2022
- Nominated by ECT-AHS, KUST for COMSTECH Best Research Paper Award 2025
- Secure 2nd Position in Molecular Medicine GRE type Examinations-2010 (89% percentile)
- Approved Clinical Scientist, Council of Allied Health Sciences of Pakistan (CAHSP)

Additional Information

- **ORCID ID:** 0000-0003-2814-4738
- **Researcher ID:** B-2383-2017
- **Scopus Author ID:** 56458212800