

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome e
Cognome

Dr. Amruth Kaleem Basha SHAIK PhD

ISTRUZIONE E FORMAZIONE

2021-2024

University of Insubria
PhD in Experimental and Translational Medicine

2017-2020

University of Siena
Master's degree in medical biotechnology

2014-2017

Loyola University
Bachelor's degree in biotechnology, Microbiology, Chemistry

ESPERIENZA LAVORATIVA

Nov 2021 – Sep 2024

University of Insubria | Varese, Italy

Doctorate Researcher

Prepared samples and assisted Expert's to Conduct Mass spectrometry (MS) analysis to identify neo-antigens, aiding in vaccine development for GBM.

Researched Cyclin T1 isoforms and HIV and contributed to vaccine strategy development for oral squamous cell carcinoma.

Supervised undergraduate students in laboratory techniques and experimental protocols.

Jun 2023 – Sep 2023

Charles River Italia | Lecco, Italy

Intern

Worked with humane research protocols for mice and rat models.

Participated in minimally invasive procedures and biological sample collection.

Aug 2019 – Feb 2020

University of Siena | Siena, Italy

Research Assistant

Explored microRNA expression in Paget's disease and advanced diagnostic techniques. Collaborated on

sequencing data analysis and cDNA preparation.

Apr 2016 – Aug 2016

Regional DNA & Serology Department | India

Intern

Assisted forensic scientists with DNA and serology analysis.

2014 – 2017

University Labs | India

Undergraduate Research Projects

Conducted research in poultry feed safety, DNA profiling, and Protein analysis.

MADRE LINGUE

ENGLISH, HINDI

ALTRE LINGUE

ITALIAN, TELUGU, ARAB

Excellent

Excellent

Excellent

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

CAPACITÀ E COMPETENZE TECNICHE.

Laboratory Techniques:

PCR, DNA/RNA extraction, monoclonal antibody production, immunohistochemistry, mass spectrometry sample preparation, HLA-typing, Transfections, Infections, immunoprecipitation, tissue culture, viral vector production.

Flow cytometry, Western blot, ELISA, Hybridoma fusion, Cell culture, protein purification

Computer Skills:

NCBI, DAVID, Python, RStudio, GraphPad Prism, Flowjo

MS Office (Word, Excel, PowerPoint), SAP, Adobe Photoshop

Specialized Skills:

Mice handling (subcutaneous, intraperitoneal, intracranial injections, BAL), organ and cell harvesting, Genotyping

DNA sequencing, qPCR, STR analysis, Gel electrophoresis

ALTRO

CERTIFICATIONS & TRAINING

Open WHO: Drug-resistant Tuberculosis: Interpreting Rapid Molecular Test Results

Diploma: Supply Chain Management with Distinction

Certificate: Global Environmental Management (Technical University of Denmark) | 95.4%

Level 3 HACCP Certificate

Dental Assistant Certificate

PUBLICATIONS

1. Reale, A., Gatta, A., **Shaik, A.** et al. An oncolytic HSV-1 vector induces a therapeutic adaptive immune response against glioblastoma. *J Transl Med* 22, 862 (2024). <https://doi.org/10.1186/s12967-024-05650-5>

2. Alberio, T., Shallak, M., **Shaik, A.K.B.**, Forlani, G. (2024). A Truncated Isoform of Cyclin T1 Could Contribute to the Non-Permissive HIV-1 Phenotype of U937 Promonocytic Cells. *Viruses*, 16(8), 1176.

3. Azzi, L., Celesti, F., Chiaravalli, A.M., **Shaik, A.K.B.**, Forlani, G. (2024). Novel Vaccination Strategies Based on Optimal Stimulation of CD4 T Helper Cells for Oral Squamous Cell Carcinoma. *Frontiers in Immunology*.
4. Dalla Gasperina, D., Veronesi, G., Castelletti, C.M., **Shaik, A.K.B.**, Forlani, G. (2023). Humoral and Cellular Immune Response to BNT162b2 COVID-19 Vaccine Booster in the Elderly. *IJMS*.
5. Forlani, G., Shallak, M., Gatta, A., **Shaik, A.K.B.**, Accolla, R.S. (2023). The NLR Member CIITA: Master Controller of Adaptive and Intrinsic Immunity and Tool in Cancer Immunotherapy. *BJ*.