



About Me:

- Experienced Associate Researcher with a demonstrated history of working in the research industry.
- My indigenous experience made me an expert in the areas of Flow Cytometry, SDS-PAGE, LUMINEX, Incucyte, ELISA, Polymerase Chain Reaction (PCR), quantitative polymerase chain reaction (qPCR) and Western Blot Techniques.
- Hands-on experience in cell viability assay, Cell culture, determining cell characteristics using flow cytometry techniques and detection and compound screening for different cytokine through ELISA and Luminex.
- Strong research professional with a Master of Science focused on Microbiology.



WORK EXPERIENCE:

IQVIA, Mumbai

Flow analysis associate scientist (December 2023-Present)

- Managing 15 diverse multi-color flow cytometry panels for various clinical trials.
- Assessed Ki67 protein activity to determine CD4 and Cd8 T cells with help of FACS Diva Software
- Proficient in flow cytometry data analysis using FlowJo, FACS Diva, and OMIQ.
- Conducting receptor occupancy studies and immune cell proliferation assays
- Expert in troubleshooting and making critical decisions on patient data analysis.
- Mentored junior team members to ensure top quality client deliverables.
- Managed all protocols for small and large animal studies, writing SOPs and data analysis.

Syngene International Limited, Bangalore

Research Associate (October 2020-December 2023)

- **Mice Bone Marrow Isolation and Compound Screening:** worked on Bone marrow isolation from mice and Compound Screening for IL-10 and TNF alpha cytokines through Sandwich ELISA (384 well Plate format)
- **Cytotoxicity and Bystander Effect of Antibody-Drug Conjugates in cancer cell lines:** Assessed the cytotoxicity of drug conjugate to target both HER2 positive cells and neighboring HER2 negative cells via Flow Cytometry.
- **Worked on T-cell immunotherapy:** Expression study of tumor cell lines was conducted using PCR and western blot, measured T cell activation and antigen-specific lysis of target cells using a flow- cytometry-based assay platform. Sandwich ELISA and multiplex (Luminex) -based readout was also done to assess a panel of cytokine responses.
- **Worked on fusion proteins:** Tested the cytotoxicity of various fusion proteins against SNU16 and HCT116 cell line. Monitoring effector-mediated cytolysis of target cancer cell lines using incucyte based real-time cell analysis and studied cytokine secretion by ELISA and Luminex.



HANDS ON INSTRUMENTS:

Flow cytometry, Incucyte, TECAN-Plate reader, qPCR, RT-PCR, Mag-pix, Bio-plex, Nanodrop and Gel-doc, FACS Diva.

EDUCATION QUALIFICATION:

Class	Institution	University/ Board	Year	Percentage
M.Sc.	Fergusson college	Fergusson	2018-20	9.29 (CGPA)
B.Sc.	Siddhivinayak Mahila Mahavidyalaya	Savitribai Phule Pune University	2015-18	81.10%



Achievements/ Extra-curricular activities:

- Received **SPOT Award** for contributing towards establishing flow-based antigen specific cytotoxicity assays for a cell therapy project in Syngene.
- Received recognition award for ownership in IQVIA.
- Completed Lean Six Sigma White Belt Course
- Completed Lean Six Sigma Yellow Belt Course.



Personal Information:

- Hobbies: Swimming and cycling
- Languages Known: Hindi, Marathi and English

References:

- Dr. Dency Pinto, Research Investigator at Syngene International
- Harsh Bhavasar, Senior Associate Scientist at Syngene International