FULL NAME

email address | phone number | address (just the city is enough)
LinkedIn profile
ORCID ID

SUMMARY

Passionate scientist with over 7 years of experience in Immuno-Oncology and Oncology, specialising in assay design and validation to assess the potency and functionality of cell-based therapies (CAR-T, CAR-NK), bispecific and multispecific antibodies, large and small molecules. Currently a Postdoctoral Fellow at XYZ, leading research on [specific project], with a strong track record in developing translational assays to support drug discovery and preclinical development. Exstensive experience working in cross-functional teams, presenting research at international conferences, and mentoring junior scientists.

KEY SKILLS

- **Cell Therapy & Immunoassays:** Flow cytometry, ELISA, cytotoxicity assays, proliferation assays, cytokine release assays, functional immune cell profiling
- **Molecular & Protein Characterization:** PCR, qPCR, Western Blot, SDS-PAGE, SPR, SEC-MALS, ITC, NMR, MST, X-ray Crystallography
- **Cell Line Engineering & Protein Expression:** Stable cell line development, mammalian and bacterial expression, recombinant protein purification (AKTA, HPLC)
- **Drug Discovery & Bioassay Development:** Potency assays, functional characterization of biologics and small molecules, high-throughput screening (HTS)
- **Data Analysis & Computational Tools:** GraphPad Prism, FlowJo, ImageJ, R/Python (basic), statistical modeling for assay development
- **Cross-Functional Collaboration & Leadership:** Experience working with industry partners, mentoring MSc/PhD students, and presenting at scientific conferences

WORK EXPERIENCE

Postdoctoral Research Associate | Department and Academic Institution **Start date - End date**

Project Focus: [Briefly describe the project and its relevance to industry/therapeutic area]

- Designed and validated functional assays to assess the potency and efficacy of CAR-T, CAR-NK, bispecific/multispecific antibodies, and small/large molecules.
- Engineered stable cell lines for therapeutic target screening and drug candidate validation.

- Developed and optimised high-throughput screening (HTS) assays for lead compound selection.
- Characterised protein-protein interactions using SPR, SEC-MALS, MST, ITC, and X-ray Crystallography.
- Analyzed immune cell functionality via flow cytometry, ELISA, cytokine release, and cytotoxicity assays.
- Led collaborations with industry partners to translate research findings into preclinical development.
- Presented research at [number] national and international conferences, contributing to [specific therapeutic area] advancements.
- Supervised and mentored [number] MSc/PhD students, all achieving [Distinction/First-class grades].

EDUCATION

PhD Researcher | Department and Academic Institution **Start date - End date**

Thesis: [Title of PhD thesis and brief description (2 sentences max.)]

- Investigated [specific therapeutic target/disease area], focusing on [specific drug modality/technology].
- Developed and optimised [assay/methodology] for [application, e.g., biomarker discovery, drug screening, etc.].
- Expressed and purified recombinant proteins from bacterial/mammalian platforms for structural and functional studies.
- Conducted biophysical and biochemical characterisation of therapeutic candidates using SPR, NMR, MST, ITC, and FACS.
- Published [number] peer-reviewed articles in high-impact journals and presented findings at [number] international conferences.
- Collaborated with cross-functional teams, including bioinformaticians and clinicians, to drive translational research.

Master Degree | Department and Academic Institution **Start date - End date**

- Investigated the role of cytokine signaling in T-cell exhaustion within the tumor microenvironment, with a focus on improving CAR-T cell persistence.
- Skills: Flow cytometry (FACS), qPCR, ELISA, Western blotting, CRISPR gene editing, and primary T-cell culture.
- Worked closely with a biotech startup developing next-generation CAR-T therapies, optimising in vitro assays to evaluate candidate constructs.

PUBLICATIONS

- ORCID ID
- (List relevant journal publications (max 3) with DOI links.)