

Vicky Fu

ANALYTICAL SCIENTIST | BIOLOGICS | QUALITY

PROFILE

Analytical scientist with 4+ years of experience across academic research and pharmaceutical environments. Currently working in pre-clinical testing at Lonza, combining hands-on biologics testing with instrument ownership, data integrity, process improvement and growing project-level responsibility.

CURRENT ROLE

Lonza | Scientist

SEPT 2023 - PRESENT | BASEL, SWITZERLAND

- Trained across a broad range of compendial physicochemical methods for biologics, including protein content, particle analysis, pH, osmolality, polysorbate, colour, clarity and reconstitution testing.
- Instrument Responsible Person for UV spectrophotometer, SoloVPE, HIAC, PAMAS, Mastersizer, densitometer, colourimeter, turbidimeter and LAF systems.
- Led UV-Vis initial qualification and PAMAS acquisition and qualification, including SOP creation.
- Performed purity testing using SEC, IEX, RP-HPLC and CE-SDS in Empower.
- Trainer for multiple compendial methods; 6S contact person; co-led KANBAN implementation.
- Expanded into analysis review, document preparation, sample pull and storage management using LIMS and iLab.

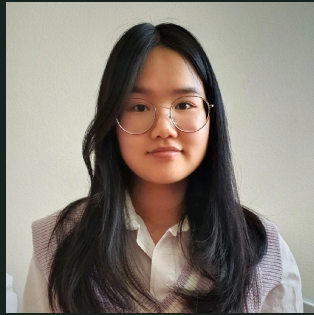
EDUCATION

MSc Analytical Chemistry

University of Helsinki | 2020-2022

BSc Chemistry

University of Helsinki | 2016-2020 | Minors: pharmacy and biochemistry



CONTACT

Basel Metropolitan Area

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CORE TOOLS

Empower

LIMS / iLab

SEC / IEX / RP-HPLC

CE-SDS

UV / SoloVPE

Mastersizer / Zetasizer

AF4 / QCM

LANGUAGES

Cantonese - native

Finnish - native

English - professional

Swedish - working

German - elementary

Chinese - working

CERTIFICATIONS

Lean Six Sigma White Belt

What Is Generative AI?

Experience, ownership and scientific foundation

QC Intern

LONZA

Mar 2023 - Aug 2023 | Basel

First pharmaceutical industry experience in a GMP-regulated QC environment.

- Executed SoloVPE, extractable volume, density and HIAC testing.
- Applied ALCOA+ principles in iLab and LIMS documentation.
- Prepared GMP reagents and supported stability-report drafting.

Technical Assistant

UNIVERSITY OF HELSINKI

Jul 2022 - Dec 2022 | Helsinki

Independent experimental work after graduation.

- Planned and executed Quartz Crystal Microbalance interaction studies.
- Managed the full workflow and analytical-material procurement.

Research Assistant

UNIVERSITY OF HELSINKI

Oct 2021 - Jun 2022 | Helsinki

Master thesis research on isolating biomacromolecules from human plasma.

- Used monoclonal antibodies and immunoaffinity chromatography.
- Prepared monolithic affinity columns and used AF4 for size-based characterisation.
- Quantified protein content using BCA / Bradford assays and communicated findings.

SELECTED RESPONSIBILITY

Instrument ownership

Qualification, SOP creation and stewardship across critical analytical systems.

Data integrity

GMP, ALCOA+, LIMS and electronic-workbook discipline.

Process improvement

Lean Six Sigma White Belt, 6S and KANBAN implementation.

Training

Trainer for multiple compendial methods and fast onboarding across platforms.

INTERNATIONAL EDUCATION

York University

Student exchange | 2018

Renmin University of China

International Summer School - Chinese Language | 2017

EARLY EXPERIENCE

Research Intern, University of Helsinki

Sep 2019

Retail Sales Clerk, NEW YORKER

Aug 2020 - Jan 2022