Christopher Olsen

9 Ashton Place. Cambridge, MA

617-922-9615 | colsen@mcvcllmhgb.com | linkedin.com/in/colsen-bu | github.com/colsen-bu

PROFILE SUMMARY

Cell and biochemical assay Scientist with 6 years of experience in assay development and screening. Versatile skillset with hands-on expertise in bench automation, Python coding, and primary cell culture in a fast-paced biotech environment. Pursuing Senior Research Associate through Scientist 2 roles aligning with my profile.

WORK & LEADERSHIP EXPERIENCE

Blueprint Medicines **Boston, Massachusetts**

Contract Research Associate, Biology August 2024 – Nov 2024

- Expanded pre-clinical lead small molecule testing into dozens of novel immortal cell lines in multiple assays, including ELISA, MSD, Incucyte, alphaLISA, Western Blot, WES/JESS, and imaging for oncology programs.
- Established automation protocols for immunoblot sample processing, dramatically increasing throughput.
- Transitioned key Flow Cytometry experiments from tube to plate, increasing sample throughput by 500%.
- Designed and implemented automation workflows utilizing Biomek i7, Tecan, and Echo liquid handlers.

Cellarity **Boston, Massachusetts**

Research Associate II, in vitro Pharmacology June 2022 – Nov 2023

- Developed and ran cell culture assays for small molecule screening in lead optimization campaigns in the hematology disease area and myeloid cell lineages, including hands-on hematopoietic differentiation.
- Built assay informatics dashboards enabling consistent data analysis for multiple assay readouts, including ELISA, alphaLISA, TR-FRET, Flow Cytometry, Nanostring, MSD, Western Blot, and qPCR.
- Served as point person for troubleshooting and training on multiple instruments for automation, including Formulatrix Mantis, FAST, Integra, Agilent Bravo, Hamilton, and Flow Cytometry machines.
- Established standardized methodologies for evaluating dose response curve fits across projects at all stages of R&D and a standardized western blot procedure.

Boston University Hereditary Fructose Intolerance Laboratory **Boston, Massachusetts**

Undergraduate Research Associate, The Tolan Lab September 2020 – May 2022

- Awarded Corporate Sponsorship from New England Bio Labs for 2021 summer research project titled: "KHK inhibition as a potential therapeutic target for type 2 diabetes mellitus."
- Performed Cell Culture in the lab on experiments focusing on recovering insulin sensitivity in HepG2 Cells and worked on protein purification in *E. coli, CHO, and HEK* cells with recombinant expression.
- Managed rodent colony for investigations concerning the efficacy of KHK inhibitors in treating established Insulin Resistance and IP dosing for test compounds.
- Implemented various spectrophotometric assays for measurement of fat accumulation and collagen content in mouse liver tissue in profiling NAFLD in Aldolase B -/- and investigated with western blot.

Symbrosia Inc., Kailua Kona, Hawaii

Remote Research Intern June 2020 – August 2020

- Performed background research on the Bromoform producing seaweed, *Asparagopsis Taxiformis*.
- Presented research recommendations that assisted in the selective breeding grant proposal and acquisition.

EDUCATION

Boston University, Boston, Massachusetts

Bachelor of Arts in Biochemistry & Molecular Biology May 2022

SKILLS, ACTIVITIES & INTERESTS

Skills: Cell Culture, WES/JESS, ELISA, MSD, qPCR, ddPCR, RT-qPCR, NGS, AAV Transfection, NanoString, CRISPR, Mouse dosing via IP dosing, tail vein injection, tissue extraction, in situ Hybridization, HPLC, SQL, Python, R, Julia, Benchling, Immunohistochemistry, Graph Pad Prism, FlowJo.

Activities & Interests: Served as supervisor at Agganis Arena, overseeing operations during BU Men's Hockey Games. Served as Treasurer of BU Gaming Club, increased revenues by 10%.