MARCUS LINDQVIST

POSTDOCTORAL SCHOLAR

CONTACT

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SKILLS

- Flow Cytometry
- Microscopy
- Cell Biology
- Molecular Biology
- PCR
- Cell Culture
- Python
- R
- Data Analysis
- Written and Verbal Communication

EDUCATION

Doctor of Philosophy (Ph.D.)

08/2023

Gateway University School of Medicine

St. Louis, MO

Cell Biology

SUMMARY

Postdoctoral scholar in cell biology with 3 years of postdoctoral research on T-cell migration in tumors. Designs flow cytometry and microscopy experiments, handles data analysis in Python and R, and has 6 peer-reviewed papers, 2 as first author.

EXPERIENCE

Postdoctoral Scholar

09/2023 - Present

Cascadia University, Department of Immunology — Seattle, WA

Tumor immunology lab studying how T cells enter and persist in solid tumors.

- Run 12-color flow cytometry panels on mouse and human T cells, processing **400+** samples a year.
- Captured T-cell movement with confocal and live-cell microscopy and built a Python pipeline that cut analysis from 2 days to 3 hours.
- Wrote a funded 2-year NIH F32 fellowship application covering salary and research supplies.
- Mentor 2 graduate students and 1 technician in cell culture, PCR and data analysis in R.

Graduate Research Assistant

08/2017 - 08/2023

Gateway University School of Medicine — St. Louis, MO

Doctoral research in a cell biology lab focused on immune cell signaling.

- Built CRISPR knockout T-cell lines and confirmed edits by PCR and Western blot for **14** target genes.
- Identified a chemokine receptor pathway that controls T-cell speed, published as first author in 2022.
- Taught molecular biology lab sections to 60 undergraduates as a teaching assistant for 2 semesters.

PUBLICATIONS

CXCR3 signaling sets the pace of effector T-cell entry into melanoma

03/2025

Lindqvist M, Ortega P, Hale JR. Journal of Immunology.

A chemokine receptor switch controls T-cell speed in inflamed tissue

06/2022

Lindqvist M, Barros K, Whitfield S. Cell Reports.