

Jordan Jackson

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EDUCATION

UNIVERSITY OF WASHINGTON
Bachelor of Science, Microbiology

Seattle, WA
June 2021

3.04 Cum. GPA
Dean's List Spring 2021

PIERCE COMMUNITY COLLEGE
Associate of Arts

Steilacoom, WA
June 2017

3.66 Cum. GPA
Dean's List Winter 2016, Spring 2016,
Winter 2017, Spring 2017

RESEARCH EXPERIENCE

UNIVERSITY OF WASHINGTON
NIH PREP Scholar, Mathieu Lab

Seattle, WA
June 2021 - Present

Investigating mechanism of action and efficacy of computationally designed protein nanocages in targeting cancerous cells exclusively and inducing strong apoptosis in cancer models across multiple cancer lines.

Inducing cancer-associated mutations using CRISPR/Cas9 in induced pluripotent stem cell-derived intestinal organoids.

PhD Student, M3D Program

June 2021 - Present

Understanding the mechanisms of disease and pathogenesis in human body systems.

Investigating the mechanism of resistance to cancer therapies in triple negative breast cancer cell lines in the Cheung Lab.

UNIVERSITY OF WASHINGTON
Undergraduate Researcher, Mathieu and Ruohola-Baker Labs

Seattle, WA
January 2020 –

June 2021

Induced a point mutation using CRISPR-Cas9 in wild-type included pluripotent stem cells found in patients with Amelogenesis Imperfecta for differentiation to study phenotypic impact in differentiated ameloblast cells.

UNIVERSITY OF WASHINGTON
STAR Teach Lab Trainee, HSCMSP

Seattle, WA
June – September 2019

Trained in basic laboratory techniques including aseptic technique, media preparation, experimental design, and bacterial mutagenesis to prepare for future laboratory duties.

RESEARCH INTERESTS

Cancer Biology
Mechanisms of Disease and Immunity
Regenerative Medicine
Aging

PUBLICATIONS

Miller CP, **Jackson J**, Sidhu S, Lazarovits J, Ueda G, Tykodi SS, Warren EH, Akilesh S, Mathieu J. Computationally designed Death Receptor 5 antibody nanocages show enhances antitumor activities in a 3D tumor-on-a-chip microphysiological system. In preparation

POSTERS

UNIVERSITY OF WASHINGTON
Undergraduate Research Symposium

Seattle, WA
August 2019

Presented a poster titled: “Exploring transcriptional regulation through deleted and inserted enhancers on the lac operon”

UNIVERSITY OF WASHINGTON
ISCRM Symposium

Seattle, WA
May 2022

Presented a poster titled: “Computationally designed TRAIL receptor agonists show enhanced anti-tumor activity in renal carcinoma models”

TEACHING EXPERIENCE

UNIVERSITY OF WASHINGTON

STAR Teach Lab Student Instructor, HSCMSP

Seattle, WA

June – September 2020

Co-authored a lesson plan that taught college students basic laboratory techniques.

LEADERSHIP AND SERVICE

UNIVERSITY OF WASHINGTON

Executive Committee, ISCRM UNITE

Seattle, WA

October 2021 – Present

Working with a team of faculty, staff and trainees from the Institute for Stem Cell and Regenerative Medicine (ISCRM) to monitor and improve laboratory inclusion, accessibility, retention, and safety.

BASILICA BIO

Co-Founder

Seattle, WA

May 2020 - Present

Developed and delivered a high school curriculum supplement focused on community structure, environmental justice, interdisciplinary sciences, and their connection to human health.

Developing and presenting community-facing educational material focused on environmental justice, human health, bioremediation, and food justice.

UNIVERSITY OF WASHINGTON

VP of Community Affairs, Black Student Union

Seattle, WA

September 2019 – June 2020

Coordinated with local groups on community initiatives. Organized and conducted a supply drive that collected and distributed more than 300 items to support local community members in the Winter months.

UNIVERSITY OF WASHINGTON

Historian, Black Student Union

Seattle, WA

January – September 2019

Researched Black history, ran weekly meetings on community action, student mental health, and community resource allocation. Documented events, meetings, and initiatives.

AWARDS

UNIVERSITY OF WASHINGTON

GSEE Graduate Diversity Fellowship

Seattle, WA

Awarded March 2022