**Jordan Jackson**

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**EDUCATION**

UNIVERSITY OF Washington Seattle, WA

Bachelor of Science, Microbiology June 2021

3.04 Cum. GPA

Dean’s List Spring 2021

Pierce Community College Steilacoom, WA

Associate of Arts June 2017

3.66 Cum. GPA

Dean’s List Winter 2016, Spring 2016,

Winter 2017, Spring 2017

**RESEARCH EXPERIENCE**

UNiversity of washington Seattle, WA

NIH PREP Scholar, Mathieu Lab 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 Seattle, WA

Undergraduate Researcher, Mathieu and Ruohola-Baker Labs 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 Seattle, WA

STAR Teach Lab Trainee, HSCMSP 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 Seattle, WA

Undergraduate Research Symposium August 2019

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

UNIVERSITY OF WASHINGTON Seattle, WA

ISCRM Symposium 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 Seattle, WA

STAR Teach Lab Student Instructor, HSCMSP June – September 2020

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

**LEADERSHIP AND SERVICE**

UNIVERSITY OF WASHINGTON Seattle, WA

Executive Committee, ISCRM UNITE 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 Seattle, WA

Co-Founder 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 Seattle, WA

VP of Community Affairs, Black Student Union 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 Seattle, WA

Historian, Black Student Union 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 Seattle, WA

GSEE Graduate Diversity Fellowship Awarded March 2022