

WILLIAM J. SURINGA

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EDUCATION

PRINCETON UNIVERSITY, Princeton, NJ

Aug 2022 - May 2026 (expected)

A.B. Molecular Biology; Minor in History of Science, Technology & Medicine

Thesis: Epithelial Mechanics and Matrix Remodeling in Hair Follicle Formation

Activities: Princeton Medical Review Executive Editor, Physics Course Assistant, Peer Health Adviser, Pre-Med Club Officer, Princeton Sailing Team, The Ivy Club

PROFESSIONAL EXPERIENCE

TAMPA ONCOLOGY & PROTON PRINCETERNSHIP

Jan 2025

Intern

Shadowed Dr. Nitesh Paryani for two weeks at Tampa Oncology and Proton, a specialized Radiation Therapy clinic at St. Joseph's Hospital in South Tampa. Gained firsthand exposure to advanced radiation delivery techniques used to treat various cancers.

LUDWIG CANCER INSTITUTE

Jun 2024 - Aug 2024

Research Intern, Eileen White Lab

Utilized a conditional $Kras^{G12D/+};p53^{fl/fl}$ (KP) lung cancer mouse model to study cancer cachexia. Characterized whole-body metabolic changes during CCx progression to understand cancer's adipose and muscle loss mechanisms. Conducted experiments to provide insights into metabolic alterations associated with cancer cachexia. Presented findings in a poster show.

TUBEROUS SCLEROSIS COMPLEX (TSC) ALLIANCE (NPO)

Jan 2021 - Present

Research Intern, Preclinical Consortium (Jan 2024 - Present)

Conducted literature reviews to establish the role of the MEK-ERK pathway in epilepsy and tuberous sclerosis complex, formulated hypotheses, and recommended ERK inhibitors for testing. Developed and presented compound nomination proposals to the TSC Alliance Preclinical Consortium.

Future Leader Advisory Board, (2021 - 2022, 2023 - present)

Organized TSC Walk-Run-Ride events, led a successful T-shirt Fundraiser, and contributed a published article, "Life on the Threshold of Independence," to the International Young Leaders Conference. Achieved semi-finalist status in the TSC Alliance Global Conference Art for a Cure. Pioneered diverse projects like a *Perspective* magazine article and a TSC Global Awareness Day campaign. Designed video for TSC Awareness Month through the National Step Forward to Cure Planning Committee.

VOLUNTEER WORK

PENN MEDICINE ACE CARE UNIT (~50 hours)

Sep 2024

INOVA FAIRFAX HOSPITAL (~200 hours)

Jan - Apr 2022

NATIONAL HONOR SOCIETY SCIENCE & GERMAN TUTOR (~50 hours)

Nov 2021 - May 2022

SOUTH TAMPA MEDICAL CENTER, DERMATOLOGY PRACTICE (~100 hours)

July 2021

TSC ALLIANCE (~100 hours)

2016 - Present

MILITARY SERVICE

U.S. NAVY ROTC, PRINCETON & RUTGERS UNIVERSITY

Mar 2022 - Sep 2023

Midshipman (3/C, 4/C)

Completed basic training at the Naval Training Station Great Lakes and earned military clearance for summer training. Balanced Princeton and Rutgers coursework (GPA: 4.00) with military commitments, including physical training and volunteering. Participated in Naval Aviation, Marine Corps, and Submarine Warfare operations; earned top academic and athletic awards among midshipmen.