



UVMCC Summer Student Fellowships Past Awardees

2022 Awardees

Student: Jennifer Chen

Mentor: Thomas Ahern, PhD, MPH

Department: Surgery

Research Project: Racial and geographic disparities in breast lymphedema

Student: Randi Gravelle

Mentor: Brian Cunniff, PhD

Department: Pathology and Laboratory Medicine

Research Project: Mitochondrial dynamics support breast cancer tumorigenesis

Student: Kanayo Ikeh

Mentor: Nimrat Chatterjee, MSc, PhD

Department: Department of Microbiology and Molecular Genetics

Research Project: Unraveling the functional dynamics of REV1 during cancer cell response to therapy

Student: Ellen Mats

Mentor: Shahid Ahmed, MBBS

Department: Department of Internal Medicine, Division of Hematology and Oncology

Research Project: The Influence of Bacteria on the Formation of an Immune-Escaped Bladder Cancer: A Pilot Correlative Study

Student: Gopika Nandagopal

Mentor: Alan Howe PhD

Department: Department of Pathology and Laboratory Medicine

Research Project: Investigating the STK11 C-terminal domain in lung cancer

Student: Arjune Nibber

Mentor: David Seward, MD, PhD

Department: Pathology and Laboratory Medicine

Research Project: Characterization of STK11 Missense Variants Using Prime Editing

Student: Shannon Prior*

Mentor: Paula Deming, PhD

Department: Biomedical and Health Sciences

Research Project: Investigating metabolic rewiring in progression of STK11-null lung cancer: glutamine dependence and the hexosamine biosynthetic pathway



**UVMCC Summer Student Fellowships
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Student: Alyssa Richman
Mentor: Seth Frieze, PhD
Department: Biomedical and Health Science
Research Project: Epigenetic Analysis of Acute Lymphoblastic Leukemia

Student: Jennifer Toner
Mentor: Peter Kaufman, MD
Department: Hematology & Oncology
Research Project: Correlating Properties of Breast Cancer Organoids to Patient's Tumor Information

* supported by the J Walter Juckett Cancer Research Foundation

2021 Awardees

Student: Alqassem Abuarqoub
Mentor: James Stafford, PhD
Department: Neurological Sciences
Research Project: Targeting novel metabolic and epigenetic interactions in pediatric high grade glioma

Student: Rachel Bombardier
Mentor: David Krag, MD
Department: Surgery
Research Project: COVID-19 and Cancer

Student: Amy Chang
Mentor: Alissa Thomas, MD
Department: Neurological Sciences
Research Project: The effect of frailty score on treatment decisions and overall survival rate in elderly patients with glioblastoma

Student: Trevor Coles
Mentor: Gary Stein, PhD
Department: Biochemistry
Research Project: Cancer-Compromised Epigenetic Control of Nucleolar Function

Student: Linda Cui



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Mentor: Nataniel Lester-Coll, MD

Department: Radiation Oncology

Research Project: Adult Prostate Sarcoma: An Analysis of the National Cancer Database

Student: Sean Lenahan

Mentor: David Seward, MD, PhD

Department: Pathology and Laboratory Medicine

Research Project: GLUL repression may exacerbate anti-PD1 therapy resistance in KRAS-driven NSCLCs lacking STK11

Student: Kiera Malone

Mentor: Karen Glass, PhD

Department: Biochemistry

Research Project: Recruitment of the AAA domain-containing protein 2 to nucleosomes

Student: Mikaela Mohardt

Mentor: Brian Sprague, PhD

Department: Surgery

Research Project: Collagen organization as a novel predictor of malignant potential in pre-invasive breast cancer

Student: Allison Morrissey

Mentor: Andrea Lee, PhD

Department: Microbiology and Molecular Genetics

Research Project: The Role of Two Histidine Residues in MutY Glycosylase Detection of 8-oxoguanine:Adenine DNA Damage Sites

Student: Joaquin Reategui

Mentor: Andrea Villanti, PhD, MPH

Department: Psychiatry

Research Project: Does dose or type of vaping prevention messaging impact vaping-related beliefs and behaviors in Vermont young adults?

Student: Kayla Sohl

Mentor: Frances Carr, PhD

Department: Pharmacology

Research Project: Synergistic effects of JQ1 and TRbeta in tumor suppression



**UVMCC Summer Student Fellowships
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Student: Joshua A. Victor

Mentor: Nimrat Chatterjee, PhD

Department: Microbiology and Molecular Genetics

Research Project: Ascertaining SARS-COV2-dependent DNA damage response in human cells¶