The University of Vermont

Student Research Conference 2024

Welcomes you to the Annual Event Program

April 18th, 2024
9:00-4:30
4th Floor Davis Center

Morning Session I
The creative presentations can be found in the fireplace lounge and will remain there all day.

Ben Egner & Brady Hill
A New UVM Geological Collection Inventory
Biology, CAS & Biological sciences, CALS
Faculty Mentor: Sara Cahan

Natalie Bett, Megan Burdick, Ellett Mettiman, Kat Coyne, & Dani Sewards
Pursuing Meaning Within Choreography: Developing and Presenting Dance Compositions from Personal Backgrounds and Motivations
Dance, CAS
Faculty Mentor: Paul Besaw

Sam Fertik
Translations of Plant-Environment Interactions: Learnings from the Colchester Bog
Plant Biology, CAS
Faculty Mentor: Steve Budington

Wenzdae Wendling
The Illustrated Guide to Pre-Veterinary Equine Lameness
Animal Science, CALS
Faculty Mentor: Christina Rohan

Yoshi Bird
Building the Vermont Zoning Atlas
Complex Systems & Data Science, CEMS
Faculty Mentor: Christopher Danforth

Dante Blasi
Designing a Good Website
Business Administration, GSB
Faculty Mentor: Erik Monsen

Zane Zupan
Making LGBTQ+ History Accessible to Gen-Z During a Period of Targeted LGBTQ+ Erasure
Political Science, Sociology, and Gender, Sexuality, & Women's Studies, CAS & PLHC
Morning Session I

**Oral Presentations**

**Chittenden Room**

- **Jenna Cohen**
  - Exploratory factor analysis of postural sway measures reveal potential biomarkers of childhood mental health
  - Faculty Mentor: David Jangraw

- **Amanda Fastiggi**
  - Therapeutic Ketosis Attenuates Asthma Associated Airway Hyperresponsiveness by Targeting Bronchial Smooth Muscle
  - Faculty Mentor: Matthew Poynter

- **Maya Sobel**
  - Traumatic brain Injury Impact on Spatial and Working Memory in Mice
  - Faculty Mentor: Kalev Freeman

**Jost Room**

- **Elias Adler**
  - Impact of self-reported sleep quality on mood after rigorous exercise in Varsity Athletes
  - Faculty Mentor: Jeremy Sibold

- **Natalie Bett & Megan Burdick**
  - Connecting Science and Dance: The Introspection and Observation of the Human Experience
  - Faculty Mentor: Julian Barnett

- **Sophie Dehoff**
  - Paranoid and Reparative Readings of Antigone
  - Faculty Mentor: Sean Witters

- **Sophie Warth**
  - First Meals and Last Meals: Vehicles of Food Meaning
  - Faculty Mentor: Teresa Mares
Williams Room

**Beatrice Nyarko**  
Faculty Mentor: David Connor  
Hidden Community Capitals in Contributing to a Resilient Food System

**Chris Foley**  
Faculty Mentor: Mindy Morales-Williams  
Whey Protein Isolate Composites as Potential Scaffolds for Cultivated Meat

**Andrew Gerlez**  
Faculty Mentor: Ernesto Mendez  
Principles and practices for the resourcing of agroecology

Spruce Room

**Maria Alfaro**  
Faculty Mentor: Mindy Morales-Williams  
Influence of artificial whole-lake aeration in Lake Carmi, VT

**Chanchal Saratkar**  
Faculty Mentor: Melissa Pespeni  
Seasonal Thermal Plasticity in Lake Champlain Copepods

**Anoob Prakash**  
Faculty Mentor: Stephen R Keller  
Understanding the role of introgression on local adaptation in red spruce (Picea rubens Sarg.)

**Baxter Worthing**  
Faculty Mentor: Stephen Keller  
Genomic prediction reveals the genetic architecture of spring phenology in poplar trees