

# The University of Vermont

**WELCOMES  
YOU TO THE  
ANNUAL**

# Student Research Conference 2024

**Event  
Program**

**APRIL 18TH,  
2024**

**9:00-4:30**

**4TH FLOOR**

**DAVIS**

**CENTER**

**Afternoon Session II**

# Creative Presentations

**THE CREATIVE PRESENTATIONS  
CAN BE FOUND IN THE  
FIREPLACE LOUNGE AND WILL  
REMAIN THERE ALL DAY**

**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

**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

**BEN EGNER & BRADY HILL**  
**A NEW UVM GEOLOGICAL  
COLLECTION INVENTORY**  
Biology, CAS & Biological sciences, CALS  
Faculty Mentor: Sara Cahan

**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

**ZANE ZUPAN**  
**MAKING LGBTQ+ HISTORY  
ACCESSIBLE TO GEN-Z DURING A  
PERIOD OF TARGETTED LGBTQ+  
ERASURE**  
Political Science, Sociology, and  
Gender, Sexuality, & Women's Studies,  
CAS & PLHC  
Faculty Mentor: Paul Deslandes

# Oral Presentations

## Afternoon Session II

### Chittenden Room

**Sierra Sabec**

Faculty Mentor: Timothy Stickle

A Study of Co-occurring Disorders

**Andre Clark**

Faculty Mentor: Elzerie Jager

Association of Bullying Victimization and Loneliness on Suicidal Ideation and Anxiety Among 15-17 Year Old's in Sierra Leone

**Joe Owuor**

Faculty Mentor: Maija Reblin

Caring for Caregivers: Assessing Health and Wellness Needs Among Rural Caregivers

**Leola Amblo**

Faculty Mentor: Teresa Mares

Accessing Women's Healthcare in Rural Vermont and the Impacts of the COVID-19 Pandemic

### Jost Room

**Kelly Jacobson**

Faculty Mentor: Amber Doiron

Photoablation-based Treatment for Bacterial Keratitis Using Immunogold Bioconjugate Nanoparticles

**Allyson Turner**

Faculty Mentor: Emily Bruce

Genetic Determinants of Filamentous Influenza Virion Production

**Natalie Bett**

Faculty Mentor: Niccolo Fiorentino

Arthrokinematics and Compositional Measurements with QMRI 1-2 Years Following ACL Reconstruction and Meniscal Surgery

**Lily Kjendal**

Faculty Mentor: Dev Majumdar

Implementing VirScan: a Phage Display Library for Viral Antibody Detection and Characterization



# Oral Presentations

## Afternoon Session II

### Williams Room

**Anja Samsom**      The Impact of Female Role Models on the Retention of  
Faculty Mentor: Lisa Dion      Women in Computer Science

**Priscilla Pnyin  
Abijah**      Examining the Role of Vermont Everyone Eats Program  
in Fostering Community Resilience, Economic  
Sustainability, and Social Inclusion: A Comprehensive  
Analysis of Community Engagement, Empowerment,  
Faculty Mentor: Sarah Heiss      and Financial Management Strategies

**Pierce Deboer**      Leaving an Impression: How different storytelling  
Faculty Mentor: Carolyn Bonifield      elements affect the effectiveness of a film trailer

**Jasper Williams**      Collective Nostalgia's Effect on Consumer Behavior  
Faculty Mentor: Carolyn Bonifield

# Posters

## Afternoon Session II

### SOCIAL SCIENCES

ANNABELLE COLLINS  
BETSEY SCRIMGEOUR  
CAMERON PROVORNY  
LIZBETH CINTRON  
MAISIE MELICAN  
OLIVIA TARMEY  
BRANDON SCHOENFELD

### CLINICAL

COLE ROYER  
EMILY BATINSEY  
JERRY LANDAU  
JOHANNA HIDALGO  
NATALIE AMBROSE  
WILLEM BARWIN  
NATALIE LLOYD

### ENGINEERING, MATHEMATICS, & PHYSICAL SCIENCES

SEIDE SABA    MUHAMMAD HMAZA ALI  
AMIR GHORBANSARVI    RYAN TAN  
BEYZANUR AYDIN    ERIC SEGERSTROM  
EMMANUEL BADMUS    ARASH OMIDI

### LIFE SCIENCES

ALICE SPERBER  
ANNA SCHMIDT  
BLAIR CHRISTENSEN  
CAITLIN HENRY  
COLLIN MACLEOD  
DAN SCHIEFEN  
DANIEL PENADOS RICHTER  
ERINN WAGNER  
EVAN NORCOSS  
FINN FLYNN  
FLYNN KRAPF  
HANNAH KOVAL  
IAN ORSMOND  
LAUREN BIALEK  
LOGAN SANDS  
NORA HEAPHY  
SYDNEY MCFARLAND  
NICOLE GORMAN

### WILDLIFE PATHOGENS LAB

RUBY HIGGINS  
OLIVIA BIASETTI  
EMMA PRIVETT  
JOE WEBB