

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**

Morning 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

Morning Session II

Chittenden Room

Claire Bushey

Faculty Mentor: Rory Waterman

Efficient Precatalysts for Silicon-Nitrogen
Heterodehydrocoupling

Maisie Moses

Faculty Mentor: Matthias Brewer

Biofilm Infection Management via Encapsulation of
Pyruvate Dehydrogenase in Alginate Hydrogel Wound
Dressing

Elizabeth Amelotte

Faculty Mentor: Sean Diehl

Coronary Artery Calcification Scores and Mortality in
Veterans with Mood Disorders

Paola E. Peña García

Faculty Mentor: Sean Diehl

Beta-hydroxybutyrate augments airway epithelial
cell anti-viral responses

Jost Room

Holly Paige Chaos

Faculty Mentor: Christelle Vincent

Weirstrass points on Shimura curves

Sydney White

Faculty Mentor: Lisa Dion

Gender Bias in Spotify Recommendations

Eli Manier

Faculty Mentor: Paige Brochu

High Resolution Land Cover Mapping in the Mid-Atlantic:
Land Cover Mapping for the EPA Region 3 Area

Patrick Shafer

Faculty Mentor: Teresa Mares & Yolanda Chen

Farming and Eating Insects at the University of Vermont

Posters

Morning Session II

ENGINEERING, MATHEMATICS, & PHYSICAL SCIENCES

BEN JACKSON RUAIRIDH MCNEIL
COOPER PETRI MAZEN ELSAADANY
EMILY HALL STEPHEN PAIGE
LAPO FRATI PERRY WILSON
MORGAN BOOTHE MADDIE HARPER
OMID SEDIGHI BRIDGET SEYMOUR
ZENLLAZE GOMEZ THOMAS BREWER
MERLO

SOCIAL SCIENCES

KELLY DAIGLE
MORGAN GREGORY
PARISA SUCHDEV
TERESA MUNGAZI

VERMONT

STELLA VERCESI
BRYCE DOHERTY
ELIZABETH MEHLER
RACHEL CRAY

LIFE SCIENCES

ADEBUKOLA ABORIGHO
ANASTASIA GODLEWSKI
ANDREW MCCRACKEN
BEN CAMBER
CHRISTIAN ARNTSEN
CHRISTINA ANASTASIA
CSENGE PETAK
ELIZABETH ROADCAP
FRANNY OPPENHEIMER
GINA RUSSIN
KAI VAUGHN
LAMJA SEMIC
LILY DUERR
MEGAN O'CONNOR
NOAH ELSTE
PIERRE AC BEAURANG
RYAN DAVIN
SAMARA ACEVEDO
SURYA AMUNDSEN
TAYLOR BEAN
GOPIKA NANDAGOPAL
HALLIE SHI