



# 2024 ACADEMIC SYMPOSIUM

ORAL PRESENTATIONS: APRIL 26&27

## POSTER SESSION

Saturday, April 27

Dion Student Center 11:00 AM – 1:00 PM

# ORAL PRESENTATIONS

## FRIDAY, APRIL 26

### EQUITY STUDIES, GLOBAL STUDIES, AND PEACE & JUSTICE

Friday, 9:30AM – 2:00PM – Saint Edmund's Hall, Farrell room – Prof. Katie Kirby

#### WELCOME

- 9:35 Olivia Filmore, '25: *Balancing Acts: Mental Wellness Among Moderators in Restorative Justice Settings*  
10:00 Katherine Culliton, '24: *Celebrating Disability: The Power of Representation, Pride, and Awareness in School Communities*  
10:25 Cameron Michael, '24: *Fostering Diversity: Cultivating Supportive Environments for Educators of Color in Higher Education*  
10:50 Juneau Rich, '24: *We Did That at Saint Mike's?: Celebrating Our Forgotten History of LGBTQIA+ and HIV/AIDS Activism*  
11:15 Jarrett Sweet, '25: *The Closet or The Street: LGBTQIA+ Youth Navigating Homelessness and a System Designed Against Them*

#### BREAK

- 11:50 Kianna Ayer, '24: *What's the Deal with Aging?: Global Differences in Age Beliefs and Outcomes*  
12:15 Dakota Thomas, '24: *An Invisible Modern Slavery: Stolen Labor, Trafficking, & Objectification – the Underbelly of Globalization*  
12:40 Gregory Hurter, '24: *A Failed System: The Impact of Capitalism on New Americans' Access to Health Care*  
1:05 Brigid Christiano, '24: *Tongues in Transit: The Power of Language Exchange*  
1:30 Anyssa Logan, '24: *Beyond Wanderlust: The Adventure of Tourism and its Impact on Environment, Culture, and Economy*

### ART & DESIGN

Friday, 12:00PM – 2:00PM – Saint Edmund's Hall 234 – Prof. Brian Collier

- 12:00 Magnolia Sinisi, '24: *New Forms Collection*  
12:10 Michael Lynch, '24: *InsomNeon*  
12:20 Gabe Kelsey, '24: *New Photography*  
12:30 Celia Durgin, '24: *Volatile Venus*  
12:40 Gryphon Rossi, '24: *Double Edged Hope*  
12:50 Meagan Gallo, '24: *Grown & Gathered*  
1:00 Rocky Gagne, '24: *Fool's Arcana*  
1:10 Jack Hurley, '24: *Photography, Furniture, Sculpture*  
1:20 Arthur Graham Resch, '24: *Every Day I Live and I Live Every Day*  
1:30 Izzy Kolb, '24: *What If I Live Life in All the Wrong Ways*

### EDUCATION

Friday, 12:00PM – 1:00PM – Eddie's Lounge – Profs. A. Saks Pavese, C. Bedell, A. Knight, S.J. Kim and J. Nagle

*Education as a Creative, Analytic, and Reflective Endeavor: Roundtable Discussions*

William Coburn, '24, Sheridan DiLeo, '24, Macy Bollart, '24, Lydia Charbonneau, '24, Braden Dwinell, '24, Juneau Rich, '24, Jenna Walker, '24, Jonas Kambire, MAT '24, Emma Jean Tagliaferro, MAT '24, Henry Haddad, MAT '24, Victoria Bossi, MAT '24

### ECONOMICS

Friday, 12:15PM – 3:15PM – Jeanmarie Hall 281 – Prof. Samantha Trajkovski

- 12:15 Nikolai Riiber, '24: *How has Norway's connections to the European Gridline affected Norwegian electricity prices?*  
12:45 Grace Castonguay, '24: *Examining the Effects of Work-Life Balance on a Nation's Productivity*  
1:15 Sophia Venetos, '24: *The Effect of Prison Sentence Length on Recidivism Rate*  
1:45 Marshall Murphy, '24: *Super Bowl Babies: The Effect of Winning the Super Bowl on Birth Rates*  
2:15 Tallis Diehn, '24: *Wildfires and Air Quality: Examining the effect of wildfires on air quality using linear regression*

## STUDY ABROAD

Friday, 12:30PM – 3:00PM – Jeanmarie Hall 366 – Peggy Imai

- 12:30 Swapnil Jhajharia, '24: *Fa'avae for Fa'aSamoa: Intergenerational Makeups of Samoan Identities*
- 1:30 Julia Callini, '24: *Mental Health and Psychosocial Support in Jordan and the Middle East*
- 2:00 Tallis Diehn, '24: *Perceptions of Farmers and Miners on Artisanal Small Scale Gold Mining in the Fenaso Community*

## PUBLIC HEALTH AND GRADUATE HEALTH EQUITY

Friday, 1:00PM – 2:30PM – Jeanmarie Hall 378 – Prof. Trish Siplon

- 1:05 Mia Cooper, '24: *States Divided: A look at the legislative history surrounding Sex Education in the United States*
- 1:20 Kaitlyn Folsom, '24: *Easily Overlooked: An assessment of how COVID-19 in Vermont affected those with ASD*
- 1:35 Greg Hurter, '24 and Tulasha Pradhan, '25: *The Invisible Walls: Political Barriers to Dental Care for New Americans in Vermont*
- 1:50 Rose-Anne McCarthy, Grad Health Equity, '24: *Access to Care for Jamaican Season Workers*
- 2:05 Pasleigh Atwood, '24: *What are the Healthcare Access Challenges for Syrian Refugee Women in Jordan? A focus on reproductive and maternal health*

## BIOLOGY, HEALTH SCIENCE, AND NEUROSCIENCE

Friday, 1:30PM - 4:30PM – Cheray Science Hall 101 – Prof. Paul Constantino

- 1:30 Paige Slaven, '24, Elizabeth Crotty, '24, Brianna Furch, '25, Emily Sullivan, '24: *The role of tooth enamel microstructure in mammalian dietary adaptation*
- 1:45 Olivia Stebbins, '24, Helene Kristoffersen, '25: *Determining the effect of a patient mutation in moesin on protein phosphorylation and subcellular localization in T cells*
- 2:00 Lily Sabol, '24: *Determining the effects of a patient mutation in moesin on T cell development*
- 2:15 Anna M. Aiken, '24: *Heal your ears-Improve your mind*
- 2:30 Petra M. Bajuk, '24: *Opioid therapy and alternate treatment modalities for chronic pain*
- 2:45 Elaine Gillan, '24, Willow Quindley, '24: *In vitro effects of different fruit juices on Escherichia coli growth and antimicrobial susceptibility*
- 3:00 Dayna Miele, '24: *The generality of efflux pump-mediated gentamicin collateral sensitivity in Escherichia coli*

## CHEMISTRY

Friday 2:00PM – 3:00 PM – Cheray Science Hall 211 – Prof. Andrew Korich

- 2:00 Aaron Bouchard, '24: *Correlations of Atmospheric Volatile Organic Compound Concentrations with Urinalysis of Geographically Impacted Species*

## POLITICAL SCIENCE AND INTERNATIONAL RELATIONS

Friday, 2:00PM – 5:00 PM – Jeanmarie Hall 375 – Prof. Jeffrey Ayres

- 2:00 Brigid Christiano, '24: *The Break from Neoliberal Trade: An Investigation into the Past, Present and Future Foreign Policy Impacts of the Biden Administration's Trade Policy*
- 2:15 Frank Loveland, '24: *Shaping the Future: U.S.-Latin America Collaboration in a Changing World Order*
- 2:30 Scott Morelli, '24: *The Impact of Liberal Hegemony and 'America First' Policies on the Biden Administration's Foreign Policy*
- 2:45 Kolby LaMarche, '24: *Is the Time Ripe to Reinvigorate a Politics of Class and Restore Economic Liberty?*

## PSYCHOLOGY

Friday, 2:15PM – 5:00PM – Saint Edmund's Hall, Farrell room – Prof. David Boynton

- 2:15 Swapnil Jhajharia, '24: *Cross-Cultural Perceptions of Schizophrenia: A Vignette Study Comparing Vietnam and the United States of America*
- 2:30 Virginia Kelsey, '24: *Organ Donation Registration*
- 2:45 Lydia Charbonneau, '24: *Successful Social Emotional Learning Programs*
- 3:00 Mia Cooper, '24: *Positive and Negative Affect in Short-term Nicotine Exposure and Withdrawal*
- 3:15 Celia Durgin, '24: *Use of Metaphors and Art Among Bloggers with Chronic Pain*
- 3:30 Felicia Fil, '24: *Rethinking Rehabilitation: Community Connection and Comprehensive Care*
- 3:45 Allison Petrozzo, '24: *Examining the Double Bind and Juror Biases in a Mock Trial Setting*

## SPANISH AND FRENCH

Friday, 3:00PM – 5:30PM – Jeanmarie Hall 168 – Profs. Carolyn Lukens-Olson and Peter Vantine

Spanish 3:00PM – 3:45PM

3:00 Shane Boyd, '24: *El regalo de la diferencia: Celebrando la diversidad lingüística en el aula*

3:20 Brigid Christiano, '24: *La dignidad de la muerte: La muerte en los cuentos de Gabriel García Márquez*

French 3:45PM – 4:30PM

3:45 Madison Laquerre, '24: *La réalité des femmes pauvres au 19ème siècle sous l'angle des personnages féminins de Victor Hugo*

4:05 Frank Loveland, '24: *Victor Hugo et la destitution de l'image de Napoléon III pendant son exil: un combat engagé*

## PHILOSOPHY AND ETHICS

Friday, 3:00PM – 5:30 PM – Saint Edmund's Hall 332 – Profs. C. L'Hôte, M. Olson, and K. Kirby

3:00 Nica Steiner, '24: *Biomimicry: A Taoist Response to A.I.*

3:30 Rosemary Marr, '24: *The Relationship Between Philosophy and Poetry in Plato's Republic*

4:00 Dakota Thomas, '24: *Beyond Oneself: How Marginalization Breeds Alienation*

4:30 Kianna Ayer, '24: *Conscious Values: Severing the Ties Between Propaganda and Our Systems of Thought*

5:00 Sebastian Kerr, '24: *The Intersection of Marginalization and Disability Within the Self*

## RELIGIOUS STUDIES

Friday, 3:30PM – 4:30PM – Saint Edmund's Hall 104 – Prof. Ray Patterson

3:00 Adison Granger, '24: *Apocalyptic Anticipation: The Impact of Dispensational Premillennialism on American Culture and Politics*

3:30 Jocelyn Savard, '24: *His blood be on us and on our children: A discussion of Christian implementation of Matthew 27:25 from its origins to the modern era*

## SOCIOLOGY AND ANTHROPOLOGY

Friday, 3:30PM – 5:00 PM – Jeanmarie Hall 360 – Prof. Inaash Islam

3:30 Swapnil Jhaharia, '24: *Fa'avae for Fa'aSamoa: Intergenerational Makeups of Samoan Identities*

3:50 Lily Maxted, '25: *The Fall of The American Dream*

4:10 Braden Clifford Dwinell, '24: *The Cult of Dionysus and the Untamed Spirit*

4:30 Virginia Kelsey, '24: *The Formation of Social Groups and Identity Development in Skiers*

## HISTORY

Friday, 4:00PM – 6:30 PM – Saint Edmund's Hall 102 – Prof. Alexandra Garrett

4:00 Courtney Watt, '24: *Disabled by Society: Five Women of the Movement (1910-1996)*

4:30 James Pacheco, '24: *Haiti's Forgotten Kingdom (1791-1824)*

5:00 Jacob Perkins, '24: *Emperor Hirohito and the People of Japan: Nationalism, War, and Remorse*

5:30 Max Brunner, '24: *The Struggle between a Culture of Hunger and the Bourgeoisie: A Marxist Analysis of Class and Food in a Post-Industrial World*

6:00 Emma Anderson '25: *"Transcribing an 18th Century Life: Catharine Flood McCall, Business, and Slavery in Early Virginia"* (2023 Summer Undergraduate Research Presentation)

## ENGLISH

Friday, 4:00PM – 6:30PM – Saint Edmund's Hall 211 – Prof. Nat Lewis

William Coburn, '24: *A Nation Without Heroes: Modern Depictions of Heroism by Native New York Writers of the New Yorker*

Christopher DeNegre, '24: *The Edges of Tomorrow: The Unstable Fiction/Autobiography Binary in Nabokov's Speak Memory and The Real Life of Sebastian Knight*

Erin Madden, '24: *Ecofeminism, the Body, and Materiality in Women's Land Collectives*

Sophia Meimaris, '24: *"Inside Sebald: A Creative Exploration of History and Aesthetics"*

Lauren Best, '24: *from Diane Seuss's Ekphrastic Poetry in the New Yorker*

## ENGLISH/CREATIVE WRITING

Friday, 5:30PM – 8:00PM – Saint Edmund's Hall, Farrell Room – Prof. Greg Delanty

### CREATIVE WRITING

- 5:30 Estelle Cox, '24: *Poetry*
- 5:38 Madison Eastman, '24: *Poetry*
- 5:46 Alexander Foy, '24: *Poetry*
- 5:54 Habiba Ibrahim, '24: *Poetry*
- 6:02 Mary Leys, '24: *Poetry*
- 6:10 Blake Licata, '24: *Poetry*

BREAK 6:18 – 6:30PM

### ONION RIVER REVIEW

Readings from April 2024 issue of the Onion River Review

6:30 approximately 10 minutes each

Editors: Rosemary Marr, '24, Erin Boyd, '24, Christopher DeNegre, '24

## SATURDAY, APRIL 27

### PHYSICS

Saturday, 11:00AM – 12:00PM – Cheray Science Hall 115 – Prof. Alain Brizard

- 11:00 Bernadette Lesieur, '24: *Canard behavior in the Hodgkin-Huxley model*
- 11:30 Sam Vandewalle, '24: *Numerical analysis of heat diffusion in 3D*

# POSTER PRESENTATIONS

Saturday, April 27

Dion Student Center 11:00 AM-1:00 PM

## GRAPHIC DESIGN

Magnolia Sinisi, '24: *Expressing the Humanities through Web Design*

## MOVE

11:00 Emily DuFour-Woznicki, '25: *MOVEing Through the World: Impactful Community Engagement*

12:00 Isabella Paredes Mendoza, '24: *MOVEing Through the World: Impactful Community Engagement*

## DIGITAL MEDIA & COMMUNICATIONS

Tess Curran, '24: *The Gateway to Digital Abuse: Excessive Sharing on Social Media and the Shift from Mom to Mom-Influencer (Web Documentary)*

Abigail Kittler, '24 and Anyssa Logan, '24: *Eternal Echoes: Unveiling Loss, Resurrection, and Immortality in the Digital Realm (Web Documentary)*

Isabella Paredes Mendoza, '24: *Language POWER: Approaching Language Justice from Within (Web Documentary)*

Sean Connelly, '24 and Brian Poolman, '24: *You're In: The Establishment of Community, Culture, and Identity through Sports (Web Documentary)*

C.F. Schomp, '24 and A.C. Galvin, '24: *Emergency Service in a State of Emergency: The Challenges Facing 911 Call-Takers and Dispatch Centers (Web Documentary)*

Bobby Grady, '24: *Homegrown: How American Farmers Are Finding Joy in Their Struggles (Web Documentary)*

## PSYCHOLOGY

Kianna Ayer, '24: *A Pervasive Nature of Silence: The Cultural Impacts of Child Sexual Abuse on Adult Survivors*

Trudy Cosgrove, '24: *Behavioral Challenges in Elementary School Students Who are Learning English as a Second Language*

Lalaina Costanzo, '24: *How Trauma Has Affected Children's Interactions with Their Peers and the World*

Reagan Dufresne, '24: *Evidence-Based approaches to Recovery from Substance Abuse*

Bennington Erickson, '24: *Dementia Prevention: Lifestyle Choices and Physical Preventives*

Jenna Farber, '24: *Goal Directed Behavior: ADHD, Hopelessness and Trauma*

Sophia Fournier, '24: *The Important Role Relationships Hold in the Helping Field Specifically in Caring for Those with Developmental Disabilities: How Perceived Safety Allows for Healing*

Rocky Gagne, '24: *The Impact of Art Therapy on the Expression of Mental Health Concerns in Queer Identity*

Maya Herron, '24: *The Effect of Sexual Trauma on Later Criminal Behavior Tendencies*

Cameron Isherwood, '24: *Hidden Scars: Exploring Post-Traumatic Stress Disorder and its Impact on Children's Behavior*

Angelica Johns, '24: *Sexual Assault: The Effects on an Individual and Their Future Relationships*

Macarena Kelly, '24: *Under the Influence: Exploring Drug Exposure Among Middle Schoolers*

Elsa Keppel-Lonegren, '24: *The Rise of Alzheimer's and Caregivers Burdens*

Audrey LaMorder, '24: *The Impact of Dementia on Caregivers: Finding Effective Coping Mechanisms*

Sarah R. Leinbach, '24: *The Effects of Childhood Trauma on Adolescents*

Noel Livingston, '24: *The Impact Art has on a Healing Body and Mind*

Daniel E. Lynn IV, '24: *Should We be Removing Medications from Schools?*

Sophie Stauss, '24: *The Implications of Childhood Trauma in an Academic Environment*

Talia Tantillo, '24: *Navigating the Parental Dilemma: The Complex Decision of Medicating Children for Mental Health Disorders*



## **ENVIRONMENTAL STUDIES**

Lydia Clapp, '24: *Urban Development's Role in a Climate Resilient Future*

Sawyer Pierpont, '24.5: *Ungulate Population Adaptation to Climate Change*

Ben Mogensen '24: *Socioeconomic Dimensions of Glacier Retreat and Glacial Lake Outburst Floods in the Hindu Kush Himalayas*

Andrew Lanthier, '24: *Change in Temperature, Change in Migrations*

Addison Wessinger '24: *Alternative Land Ethics and Preservation as Climate Change Mitigation in New England*

Addison Wessinger '24: *Measuring Land Use Change through Old Growth Soil Analysis*

Jackson Sargent, '24: *Poaching of the African Elephant and Degradation to the Natural Environment*

Sarah Newton, '24: *Ocean Acidification and Deoxygenation in the Gulf of Mexico: Drivers, Impacts, and Potential Mitigation Efforts*

Grace Saunders, '24: *Electric Cars Powered by Fossil Fuels*

Skyleigh Bickings '24: *Climate Change and the Rapid Growth of Harmful Algal Blooms in Freshwater Systems*

Henry Ferrari '24: *Navigating Nuclear Energy: A Comprehensive Exploration of its Role in the Climate and Energy Dilemma*

Lily O'Connell '24: *Polluted Pollination: How Agricultural Practices Impact the Bugs and the Bees*

Makalya Fernald '24: *DNA Sexing Beluga Whales Through Breath Samples*

Declan Wlochowski '24: *Climate Threats to South American Amphibians*

James Hunt '24: *Water Scarcity in Northeastern Africa: Potential for Water Wars*

## **HEALTH EQUITY**

Grace Canterbury, '25: *Optimizing Attendance: Strategies for Enhancing our Attendance Policies*

## **BIOLOGY**

Brandon Boris, '24, Emilie Hoffmann, '24, Kaitlyn Koutsoufis, '24, and Patrick Hogan, '24: *Leaf angle and curricular innovation: a CURE for research and undergraduate education*

## **CHEMISTRY**

Aaron Bouchard, '24: *Correlations of Atmospheric Volatile Organic Compound Concentrations with Urinalysis of Geographically Impacted Species*

DiMaggio Bellino, '24: *Celiac Disease: Exploring Therapeutic Strategies and Investigating the Potential of Latiglutenase*

## **FINE ARTS: THEATRE**

Sadie Chamberlain, '25: *The Science of Embarrassment*

Ainsley Cook, '24: *Stage Management of "Cinderella"*

Mariah Hunt, '24: *Creation of an After-School Theatre Program*

Mckenzie Rowbotham, '24: *Acting and Choreography for "Cinderella"*

## **EQUITY STUDIES, GLOBAL STUDIES, AND PEACE & JUSTICE**

Dakota Thomas, '24: *Interpreting Constructs: A Phenomenology of Race*

# 2024 ACADEMIC SYMPOSIUM SCHEDULE

## FRIDAY, APRIL 26

9:30 AM-2:00 PM : EQUITY STUDIES, GLOBAL STUDIES, AND PEACE & JUSTICE - Saint Edmund's Hall, Farrell Room

12:00-2:00 PM: ART & DESIGN - Saint Edmund's Hall 234

12:00-1:00 PM: EDUCATION - Eddie's Lounge

12:15-3:15 PM : ECONOMICS - Jeanmarie Hall 281

12:30-3:00 PM : STUDY ABROAD - Jeanmarie Hall 366

1:00-2:30 PM : PUBLIC HEALTH AND GRADUATE HEALTH EQUITY - Jeanmarie Hall 378

1:30-4:30 PM : BIOLOGY, HEALTH SCIENCE, AND NEUROSCIENCE - Cheray Science Hall 101

2:00-3:00 PM: CHEMISTRY - Cheray Science Hall 211

2:00- 5:00 PM: POLITICAL SCIENCE AND INTERNATIONAL RELATIONS - Jeanmarie Hall 375

2:15-5:00 PM : PSYCHOLOGY - Saint Edmund's Hall, Farrell Room

3:00-5:30 PM: SPANISH AND FRENCH - Jeanmarie Hall 168

3:00-5:30 PM : PHILOSOPHY AND ETHICS - Saint Edmund's Hall 332

3:30-4:30 PM : RELIGIOUS STUDIES - Saint Edmund's Hall 104

3:30-5:00 PM : SOCIOLOGY AND ANTHROPOLOGY - Jeanmarie Hall 360

4:00-6:30 PM: HISTORY - Saint Edmund's Hall 102

4:00-6:30 PM: ENGLISH - Saint Edmund's Hall 211

5:30-8:00 PM : ENGLISH/CREATIVE WRITING - Saint Edmund's Hall, Farrell Room

## SATURDAY, APRIL 27

11:00 AM-12:00 PM : PHYSICS - Cheray Science Hall 115

11:00 AM-1:00 PM

ALL DEPARTMENT POSTER SESSION

DION STUDENT CENTER, ROY ROOM



Coordinated by the Undergraduate Research Committee with appreciation to Denise Brault, Chris Elhadj, Paula Henry and Lauren Richter