A TRIBUTE TO THE REV. MSGR. JAMES BARTA, PH.D.

Monsignor Barta is known for his many roles at Loras College – priest, counselor, psychology professor, department chair, Academic Dean, President, and Regent. But his passion is teaching.

In Msgr. Barta’s presidential inaugural address, he talked specifically about the liberal arts in ways that resonate with the purpose of the Legacy Symposium. His words continue to inspire as we celebrate the accomplishments of scholarship and creativity exhibited today by the Loras College community.

“The liberal arts college looks for the enquiring mind to do away with ignorance. It builds libraries, it brings together an informed faculty, it provides experiences in the hope of stimulating the mind.

It insists upon logic in formal classes and in the writing and the discussion of students. It alerts the student to the psychodynamics that influence their thinking. It gives them the rules of debate and other verbal exchange. It teaches them the scientific method to help separate conjecture from reality—all in the effort to reduce error.

The liberal arts college required a breadth as well as a depth of experience, insisting that its people taste of various cultures, learn of various opinions, learn to relate to people with a wide variety of ideas to everyone’s enrichment and advantage—all in the effort to avoid narrowness.

[...]

A liberal education is something much more than the cultivation of technological expertise. It is also the cultivation of that social sensitivity which brings the warmth and color to life. It is the explicit profession that we are social by nature, and incomplete without others. It is the expression of respect for others, manifesting itself in generosity, not the selfishness which enslaves us.”

Msgr. James Barta (52)  
Liberal Arts, Faith Values: Leaven for Society  
Friday, October 28, 1988
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April 2023

Dear Loras Students,

Thank you for your participation in the tenth annual Loras Legacy Symposium.

My colleagues and I fondly refer to this day as our favorite “academic holiday” of the year. I hope you will find a similar sense of enthusiasm and appreciation, as well.

Many of our students, staff and faculty have invested a lot of hard work, time, and effort in putting forth a wide variety of projects, research, presentations and creative talent to make this Symposium possible. This showcase of academic and co-curricular works provides an opportunity for all of us to learn from peers and mentors within our campus community. Further, as you experience varying aspects of the day’s program, it serves as a reminder as to how grateful we should be to part of such a vibrant and mission consonant institution.

To all who have submitted a project or planned a presentation of any type, I offer my sincere appreciation. We are blessed that you are willing to share your passions and talents with us. For all of us who are simply taking part in the day as an active learner and reflective thinker, I encourage you to consider putting forth your own submission for next year’s Legacy Symposium. Finally, please take the time to thank our students, faculty and staff who shared their wisdom and creativity today.

On behalf of the entire Loras community, I am thankful for the excellent leadership and planning effort that our Legacy Committee provided. As such, please join me in expressing appreciation for Ms. Kathy Weber- Co-Chair, Ms. Erin McGovern- Co-Chair, Dr. Neely Farren-Eller, Dr, Biniv Maskay, Ms. Heidi Pettit, Dr. Seungho Shin, Dr. Bryce Taylor, and Student Assistant Ms. Melissa Torres. Of course, I offer special thanks to Msgr. Barta ’52 for his unfailing generosity in sponsoring this amazing symposium.

Congratulations and best wishes for furthering your academic and co-curricular achievements!

Cordially,

[Signature]

James E. Collins (’84)
President
Call to Community:
Celebrating the Catholic Intellectual Tradition ........ **8:30 - 8:50 a.m.**

Session 1 ........ **9:00 - 10:00 a.m.**

Session 2 ........ **10:15 - 11:15 a.m.**

Session 3 ........ **1:00 - 2:00 p.m.**

Session 4 ........ **2:10 - 3:10 p.m.**

Faculty/Staff Presentations 1 ........ **3:20 - 4:20 p.m.**

Faculty/Staff Presentations 2 ........ **4:30 - 5:30 p.m.**

Faculty/Staff Reception ........ **5:30 - 7:00 p.m.**

Film Festival ........ **7:00 - 8:30 p.m.**
Welcome, attendees!

In addition to the Loras College Mission and Vision statements and Diversity Statement, those attending this Loras College sponsored meeting voluntarily agree to abide by the meeting code of conduct.

The Loras College Legacy Committee is committed to promoting a safe, inclusive, and professional work environment at the Legacy Symposium and ensuring that all activities are free from discrimination, bias or harassment of any type.

Harassment & Safety

Loras College and the Legacy Symposium strives to be a community demonstrating the highest standards of the Catholic intellectual tradition and welcoming all people into a dialogue to promote core values of truth, respect, responsibility, excellence, and service. The Loras Legacy Symposium is committed to providing a safe and productive environment for everyone present at the meeting. We promote an open atmosphere of critical inquiry and academic conversation. As a Catholic college, we are called upon to be particularly attentive to the rich variety among the people of the world. We seek to foster dialogues that will promote understanding, cooperation and respect.

In every dimension of what diversity entails, human dignity must always be maintained. Loras Legacy prohibits intimidating, threatening, or harassing conduct during the symposium. This policy applies to speakers, staff, volunteers, and attendees. Symposium participants violating these rules may be asked to leave at the discretion of Symposium and College leadership. Harassment will not be tolerated in any form and includes the following:

- Offensive comments related to ethnicity, religion, disability, age, economic status, physical appearance, gender, or sexual orientation.
- Deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of talks or other events, inappropriate physical contact, and unwelcome attention.

Many different types of inappropriate behaviors, whether written, verbal, or physical, can affect the personal and professional well-being of people in the workplace, especially when people misuse their positions of power and influence. Research confirms that these inappropriate behaviors have the highest impact on women and underrepresented demographic groups.

Types of Inappropriate Behavior

<table>
<thead>
<tr>
<th>Exclude</th>
<th>To block someone’s access to resources or opportunities, make someone feel unwelcome, based on their identity or affiliation with a particular group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belittle</td>
<td>To treat someone in a condescending manner or with the assumption of incompetence</td>
</tr>
<tr>
<td>Discriminate</td>
<td>To make an unjust or prejudicial distinction in the treatment of someone based on their identity or affiliation with a particular group</td>
</tr>
<tr>
<td>Bully / Intimidate</td>
<td>To threaten, frighten, humiliate, or intimidate someone with abusive words or actions</td>
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<tr>
<td>Harass</td>
<td>To use words or actions that are unwanted, unwelcome, demeaning, degrading abusive or offensive, and to persist in such actions despite resistance, protest, or rebuke by the recipient(s) of those actions</td>
</tr>
<tr>
<td>Assault</td>
<td>To make unwelcome physical contact with anyone in any manner, including actual bodily harm and any form of unwanted sexual contact; to threaten bodily harm with an apparent present ability to cause harm</td>
</tr>
</tbody>
</table>
Awareness & Creating a Respectful Environment

- **Know your Policies.** By adopting this Code of Conduct, Loras Legacy Symposium has established clear and specific expectations and norms to promote the best Symposium climate possible. All students, staff, faculty and attendees are encouraged to familiarize themselves with the policies. The best way to promote a positive change is to be able to identify inappropriate behaviors and know how to respond. Bring these policies to the attention of symposium organizers.

- **What constitutes inappropriate behavior?** As norms and expectations change, we expect changes in what is considered acceptable behavior. Issues of behavior and bias are often difficult to talk about, but the most productive discussions happen when we share common goals. Have an open discussion with your staff, your faculty, and your fellow students about our ultimate goals as a college and why safe and inclusive symposia are important. Be explicit in your discussions about what is or is not appropriate behavior and be open to discussions on differences in opinions.

- **DuUnite!** You hurt one, you hurt all. We all need to be active participants in creating an inclusive environment. Think about ways you can send the message that the best environment for sharing our work is one that is fair, equitable and welcoming to all participants. There are many ways to promote discussions, engage in diversity-focused activities, and be proactive—make a positive change for our community.

Reporting an Incident of Harassment or Inappropriate Behavior

Participants asked to stop any harassing behavior are expected to comply immediately. If you are being harassed, notice someone else being harassed, or have any other concerns, please contact Loras Legacy staff, who can work with appropriate Society leadership to resolve the situation. We value your attendance, and want to make your experience as productive and stimulating as possible.

We ask that you notify Kathy Weber or Erin McGovern, Co-Chairs of the Legacy Committee, immediately with any concerns so they may be addressed. Should you need to contact us in writing, please email Kathy.Weber@loras.edu or Erin.McGovern@loras.edu. We look forward to everyone enjoying the symposium.

**National Street Harassment Hotline**
Operated by RAINN (see below) with Defend Yourself and Stop Street Harassment.
Toll free: 855-897-5910
Live Chat available via the RAINN website.

**Crisis Text Line**
Crisis Text Line serves anyone, in any type of crisis, providing access to free, 24/7 support and information via the medium people already use and trust: text. Here’s how it works:
1. Text 741-741 from anywhere in the USA, anytime, about any type of crisis.
2. A live, trained Crisis Counselor receives the text and responds quickly.
3. The volunteer Crisis Counselor will help you move from a hot to a cool moment

**RAINN (Rape, Abuse, and Incest National Network)**
website: raint.org
National Sexual Assault Hotline:
800-656-HOPE (4673)
Live Chat available via the RAINN website

**Iowa Sexual Assault Hotlines**
website: www.iowacasa.org
Iowa Sexual Abuse Hotline: 1-800-770-1650
# Student Presentations Sessions 1-4

**Rooms:** MARC 102, 202, 3rd Floor, 402 | Keane 303, 305, 333

## Session 1

### Theme: Death
**Location:** MARC 102
**Moderator:** Heleana Theixos

- **Bloody Murder and The Art of Revenge**
  - **Student:** Liam K. Bochenski
  - **Advisor/Mentor:** Susan M. Stone

- **RIP Iowa: The Legacy of the Iowa Caucuses**
  - **Student:** Abigail Balong
  - **Advisor/Mentor:** Benjamin J. Darr

- **Haunting Darkness**
  - **Student:** Megan A. Basten
  - **Advisor/Mentor:** Kevin J. Koch

### Theme: Sustainability
**Location:** MARC 402
**Moderator:** Jennifer Weber

- **The Benefits of Native Prairie Plant to Build a More Sustainable Campus**
  - **Students:** Payton E. McDonnell, Carly Boens, Olivia Konzen, Katelyn Matthew, Ryne Anders
  - **Advisor/Mentor:** Christina M. Edwards

- **Ethical Purchasing: Implementing Fair Trade Practices on Campus**
  - **Student:** Marianne E. Gleason
  - **Advisor/Mentor:** Hannah J. Ely
  - **Tracks:** Catholic Social Teaching (CST), Diversity, Equity, Inclusion (DEI), High Impact Practices (HIP)

- **Growing Food Accessibility on Campus**
  - **Student:** Ciera M. Hansen, Andrew Martinez
  - **Advisor/Moderator:** Angela L. Kohlhaas

### Theme: Savoring
**Location:** MARC 202
**Moderator:** Kate Cooper

- **Healthy Corner Stores Research**
  - **Students:** Cierra M. Bachmann, Emma R. Hoefer, Gabriella M. Garcia
  - **Advisor/Mentor:** Angela L. Kohlhaas
  - **Track:** High Impact Practices (HIP)

- **The Mushroom Stool**
  - **Student:** Brianna G. Hilby
  - **Advisor/Mentor:** William J. Jablonsky

- **Effects of salt stress on the antimicrobial properties of phytochemicals in plants in the Mentha (Mint) genus**
  - **Kimberly T. Fermino
  - **Advisor/Mentor:** Aditi Sinha

### Theme: DEI
**Location:** MARC 3rd Floor Commons
**Moderator:** Eric Eller

- **Examining Plant and Pollinator Diversity in Restored and Natural Prairies in Dubuque**
  - **Student:** Carl R. Klaeska
  - **Advisor/Mentor:** Aditi Sinha
  - **Track:** High Impact Practices (HIP)

- **Ally Training**
  - **Student:** Theodore V. Milazzo
  - **Advisor/Mentor:** Sergio Perez
  - **Track:** Diversity, Equity, Inclusion (DEI)

- **The Intersectionality Project**
  - **Student:** Olivia G. Konzen
  - **Advisor/Mentor:** Jake Kurczek
  - **Track:** Diversity, Equity, Inclusion (DEI)
SESSION 2

10:15 AM - 11:15 AM

Theme: Freedom
Moderator: Naomi Clark
Location: MARC 3rd Floor Commons

“Someone Has Opened Our Eyes to Freedom”: 1964 Freedom Schools and the Creation of New Leaders
Student: Dylan Swartz
Advisor/Mentor: Kristin M. Anderson-Bricker

Valder Social Justice US/Mexico Border Presentation
Student: Pablo Rodriguez, Alexa Reyes
Advisor/Mentor: Stacia McDermott
Track: Catholic Social Teaching (CST), Diversity, Equity, Inclusion (DEI), High Impact Practices (HIP)

Arguing with the 4th Amendment: Moot Court and the U.S. Constitution
Student: Ryan P. Harvey, Jacob Weber
Advisor/Mentor: Christopher B. Budzisz
Track: High Impact Practices (HIP)

Theme: Policy
Moderator: Maggie Baker
Location: Keane 333

My Valder Summer: CCUSA
Student: Andrew Martinez
Advisor/Mentor: Stacia McDermott
Track: Diversity, Equity, Inclusion (DEI)

FNSOB CST Case Competition: FTX
Students: Logan Kipper, Landon Hermse, Henry Kosak, Brendan Quinn
Advisor/Mentor: Erin A. McGovern
Track: Catholic Social Teaching (CST)

Sports Marketing Association Case Study Bowl
Students: Gabriella M. Garcia, Emily Monahan, Michael Haywood, Patrick Julian
Advisor/Mentor: Matthew J. Garrett

Theme: Regulation
Moderator: Chris Martin
Location: MARC 202

If It’s Not Broke, Don’t Fix It: Why the US maintains an embargo on Cuba after 60 years
Student: Matthew M. Connolly
Advisor/Mentor: Benjamin J. Darr

Urban Utopia: How mixed-use zoning can make our cities more livable
Student: Trevor J. Sippel
Advisor/Mentor: Benjamin J. Darr

TREC Trip to Mexico/Arizona Border
Student: Madi N. Atkinson
Advisor/Mentor: Hannah J. Eby
Tracks: Catholic Social Teaching (CST), Diversity, Equity, Inclusion (DEI)

Theme: Patterns
Moderator: Seungho Shin
Location: Keane 333

Math of Nonograms
Student: Riley B. Kay
Advisor/Mentor: Jacob R. Heidenreich

Sona Sand Drawings
Student: Paige Hanson
Advisor/Mentor: Angela L. Kohlhaas
Track: High Impact Practices (HIP)

Analyzing Organizational Performance in Various Professions
Student: Nicholas L. Dibenedetto, Patrick Julian, Tyler Pransky
Advisor/Mentor: Allison M. Tringale
<table>
<thead>
<tr>
<th>Theme: Place</th>
<th>Moderator: Lisa Grinde</th>
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<tbody>
<tr>
<td>Location: Keane 303</td>
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Commitment in the workplace  
**Student:** Wyatt D. Wriedt, Eian Coad, Charlie Holmes, Justin Murray  
**Advisor/Mentor:** Allison M. Tringale  
**Track:** High Impact Practices (HIP)

Sense of Place in Alaska  
**Student:** Kyle J. Rowan  
**Advisor/Mentor:** Kevin J. Koch

Meeting Spain in a Midwestern Spring  
**Student:** Bethannie E. Hartman  
**Advisor/Mentor:** Kevin J. Koch

<table>
<thead>
<tr>
<th>Theme: Wellness</th>
<th>Moderator: Danial Neebel</th>
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<tbody>
<tr>
<td>Location: MARC 402</td>
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</table>

Evaluating Evidence-Based Exercise Interventions for Cancer Survivors Using the RE-AIM Framework  
**Student:** Madison D. Doss  
**Advisor/Mentor:** Keith M. Thraen-Borowski

Prevalence of Psychological Intimate Partner Violence at a Small Midwest College: A Two-Year Update  
**Student:** Taylor R. Hrabak  
**Advisor/Mentor:** Valerie R. Bell  
**Track:** High Impact Practices (HIP)

FJNSOB CST Case Competition: It Costs More than Money When You Buy From Shein  
**Students:** Sarah Cunningham, Sean Drinan, Clare Kysely, Dorian Fiorenza  
**Advisor/Mentor:** Erin A. McGovern  
**Track:** Catholic Social Teaching (CST)

<table>
<thead>
<tr>
<th>Theme: Foundations</th>
<th>Moderator: Jeff Roberts</th>
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<tr>
<td>Location: MARC 402</td>
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Valder Presentation - Foundation 2  
**Student:** Ciera M. Hansen  
**Advisor/Mentor:** Stacia McDermott

Predicting Job Performance  
**Student:** Landon P. Hermson, Ryan Monson, Elijah Gaff, Benjamin Friedman  
**Advisor/Mentor:** Allison M. Tringale

Physical Activity in Cancer Patients with Bone Metastasis  
**Student:** Abigail L. Welter  
**Advisor/Mentor:** Keith M. Thraen-Borowski

<table>
<thead>
<tr>
<th>Theme: History</th>
<th>Moderator: Ulrike Schultz</th>
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<tbody>
<tr>
<td>Location: MARC, 3rd Floor Commons</td>
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History of UAW Local 94  
**Student:** Dylan Swartz  
**Advisor/Mentor:** Kristin M. Anderson-Bricker

Joy Harjo and The Catholic Intellectual Tradition  
**Student:** Elizabeth F. Coleman  
**Advisor/Mentor:** Amanda C. Osheim

One-party states? Factionalism in Nazi Germany and Stalinist Soviet Union  
**Student:** Joshua W. Gardner  
**Advisor/Mentor:** Benjamin J. Darr  
**Track:** CST

<table>
<thead>
<tr>
<th>Theme: Violence</th>
<th>Moderator: Doug Gambrall</th>
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<td>Location: MARC 102</td>
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</table>

Impact of Childhood Trauma on Education and Well-Being of Students and how Educators can best help  
**Student:** Brian M. Day, Abigail L. Welter, Lauren N. Silva, Cooper R. Larsen, Sarah D. Conley, Katherine Walsh, Katherine J. Skoumal  
**Advisor/Mentor:** Michelle L. Bechen

The Fight Against Societal Sexism  
**Student:** Megan A. Baster  
**Advisor/Mentor:** Susan M. Stone

Collisions within Graph Theory  
**Student:** Derek Venteicher  
**Advisor/Mentor:** Jacob R. Heidenreich  
**Track:** High Impact Practices (HIP)

<table>
<thead>
<tr>
<th>Theme: Groups</th>
<th>Moderator: Tricia Borelli</th>
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<td>Location: MARC 202</td>
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Does Congress Shape Our Beliefs?  
**Student:** William P. Whalen  
**Advisor/Mentor:** Benjamin J. Darr

Poem Reading  
**Student:** Brianna G. Hilby  
**Advisor/Mentor:** James Pollock

Peg Solitaire  
**Student:** Megan G. Himm  
**Advisor/Mentor:** Susan B. Crook
### Theme: Work
**Location:** Keane 333  
**Moderator:** Nancy Fett

#### Latinx Issues in Workforce and Higher Education  
**Student:** Andrew Martinez  
**Advisor/Mentor:** Kathrin A. Parks  
**Track:** Diversity, Equity, Inclusion (DEI)

#### Employee Commitment in the Workforce  
**Student:** Zachary J. Ehler, Ryan Haywood, Joseph Foley, Jonathan Degen, Riley Deere  
**Advisor/Mentor:** Allison M. Tringale

#### Hamilton's Family Retirement Plan  
**Student:** Isabel O. Schwabe  
**Advisor/Mentor:** Brian J. Kallback

### Theme: Navigating Relationships  
**Location:** Keane 303  
**Moderator:** Heidi Nelson

#### Arguing with the 8th Amendment: Moot Court and the U.S. Constitution  
**Student:** Jacob J. Weber  
**Advisor/Mentor:** Christopher B. Budzisz  
**Track:** High Impact Practices (HIP)

#### Malevolent Beholder: The Ambiguous Ethics of Observation in The Blithedale Romance  
**Student:** Dominic J. Mailloux  
**Advisor/Mentor:** Susan M. Stone

#### FINSOB CST Case Competition: Advocates for Railroad Strikers  
**Students:** Noelle Gharrer, Colin Murphy, Tyler Pransky, Wyatt Wriedt  
**Advisor/Mentor:** Erin A. McGovern  
**Track:** Catholic Social Teaching (CST)

### Theme: Seniors  
**Location:** Keane 305  
**Moderator:** Kevin Koch

#### The Relationship Between Physical Activity and Prostate Cancer  
**Student:** Joshua D. Rydberg  
**Advisor/Mentor:** Keith M. Thraen-Borowski

#### This is My Body  
**Students:** Josie M. Edel, Grace Henrich, Matt Smith, Drew Brase, Alexis Riesberg, Joseph Seymour, Sean Drinan, Marianne Gleason, Abigail Landwehr, Lauren Dilullo, Abby Jones, Maeve Stewart  
**Advisor/Mentor:** Colleen M. Kuhl  
**Track:** Catholic Social Teaching (CST)

#### The Trout That Made an Old Man  
**Student:** Jacob N. Klaung  
**Advisor/Mentor:** Kevin J. Koch

### Theme: Microclimate  
**Location:** MARC 102  
**Moderator:** Aaron Joy

#### Exercise and its Effects on the Tumor Microenvironment  
**Student:** Logan W. Jones  
**Advisor/Mentor:** Keith M. Thraen-Borowski

#### Predicting Commitment in the Workplace  
**Students:** Layla Quinones, Laura Segura, Emma Fogarty, Allison Till, Ryne Anders, Sarah Cunningham  
**Advisor/Mentor:** Allison M. Tringale

#### Computational and Experimental Aerodynamic Analysis of Future Conceptual Commercial Aircraft Designs  
**Student:** Cameron J. Menini  
**Advisor/Mentor:** Devayan Bir  
**Track:** High Impact Practices (HIP)

### Theme: Performance  
**Location:** Keane 305  
**Moderator:** David Cochran

#### Effects of Age and Sex on Opioid Receptor Density in Mice Midbrain and Nucleus Accumbens  
**Student:** Hannah E. Hazzard  
**Advisor/Mentor:** Sarah N. Cassella

#### Presenting on Performance  
**Student:** Jared C. Block, Jose Cardenas, Clara Curtiss, Alec Meyer  
**Advisor/Mentor:** Allison M. Tringale

#### eSports at Loras College: Bring communities together  
**Student:** Maxwell Cullen, Tyler Pransky, Jade Casper  
**Advisor/Mentor:** Benjamin J. Darr  
**Track:** Diversity, Equity, Inclusion (DEI)

### Theme: Stress  
**Location:** MARC, 3rd Floor Commons  
**Moderator:** Jennifer Smith

#### Effect of Prenatal Stress of Glucocorticoid Receptors and AHI1 Protein Densities in Mice  
**Student:** Olivia G. Konzen  
**Advisor/Mentor:** Sarah N. Cassella

#### The American Oligarchy: How Congress Operates Outside the Boundaries of Democratic Representation  
**Student:** Keegan A. Godwin  
**Advisor/Mentor:** Benjamin J. Darr

#### The Other Sister-The Forgotten Tragedy of Sophocles’ Trilogy  
**Student:** Lillian T. Feltes  
**Advisor/Mentor:** Susan M. Stone
**CONT. SESSION 4**

| Theme: Relationships | Moderator: Christopher Budzisz
| Location: MARC 402 |

The Relationship Between Physical Activity and Chemotherapy-Induced Peripheral Neuropathy  
**Student:** Olivia G. Lansing  
**Advisor/Mentor:** Keith M. Traem-Borowiski  
**Track:** High Impact Practices (HIP)

Kid Connections  
**Students:** Marianne E. Gleason, Abbey V. Kwiatkoski, Brandon G. Doser, Matthew Williams, Hannah E. Hazzard  
**Advisor/Mentor:** Kathrin A. Parks  
**Tracks:** Catholic Social Teaching (CST), Diversity, Equity, Inclusion (DEI)

The Spiritualities of Luther and Ignatius of Loyola  
**Student:** Matthew Williams  
**Advisor/Mentor:** Amanda C. Osheim

| Theme: Fights | Moderator: Colleen Kuhl
| Location: MARC 202 |

Is Bipartisanship Dead? The Plague of Social Media on American Democracy  
**Student:** Sean R. Gelski  
**Advisor/Mentor:** Benjamin J. Darr

Valder Scholarship: Agape Community & Sisters of Life  
**Student:** Maria Vazquez  
**Advisor/Mentor:** Stacia McDermott  
**Tracks:** Catholic Social Teaching (CST), Diversity, Equity, Inclusion (DEI)

Wrestling Information Collection and Evaluation  
**Students:** Alexander C. Beausoleil, Bradon G. Doser, Brandon M. Merz, Daniel Ruiz, Jacob W. Filotto, Cade K. Ruggiero  
**Advisor/Mentor:** Michael E. Thompson  
**Track:** High Impact Practices (HIP)

| Theme: Numbers | Moderator: Kathryn DeShaw
| Location: Keane 333 |

Analytics in Wrestling  
**Student:** Mason T. McMullen  
**Advisor/Mentor:** Anne C. Marx

Financial Literacy  
**Student:** Sean Drinan  
**Advisor/Mentor:** Eric P. Eller  
**Track:** Catholic Social Teaching (CST)

| Theme: Access | Moderator: Angella Donovan
| Location: Keane 303 |

Food Access and Justice in Dubuque  
**Student:** Nathaniel A. Roethler, Noelle F. Javurek, Mitchell S. Nieweglowski, Kourtney C. Lynch, Faith Vincent  
**Advisor/Mentor:** Mark E. Kehren

Loras Accessibility Audit  
**Student:** Miranda E. McHugh  
**Advisor/Mentor:** Lynn L. Gallagher  
**Track:** Diversity, Equity, Inclusion (DEI)

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**STUDENT POSTER SESSIONS**

**ALUMNI CAMPUS CENTER BALLROOMS**

**SESSION 1 - ADAPTATIONS**

<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Advisor/Mentor</th>
<th>Track</th>
</tr>
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<tbody>
<tr>
<td>Importance of Transitional Planning for Older Foster Teens</td>
<td>Natalie J. Lung</td>
<td>Amanda M. Reynolds</td>
<td>High Impact Practices (HIP)</td>
</tr>
<tr>
<td>Pre-workout Benefits in Muscular Strength and Cardiovascular Conditioning through Athletes and Novice/Sedentary Individuals</td>
<td>Maija E. Kompsie</td>
<td>Pamela J. Connolly</td>
<td>High Impact Practices (HIP)</td>
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<tbody>
<tr>
<td>New Solvation Radii for CPCM Solvation</td>
<td>Ruveid Rivicz</td>
<td>Adam T. Moser</td>
<td>High Impact Practices (HIP)</td>
</tr>
<tr>
<td>Benchmarking Cavity Definitions for the CPCM Implicit Solvation Model</td>
<td>Brianna Renner</td>
<td>Adam T. Moser</td>
<td>High Impact Practices (HIP)</td>
</tr>
</tbody>
</table>
Sports Management: Hall of Fame Induction Selections
  Madison G. Foels, Taylor A. Flaig, Samantha G. Kubsh
  Advisor/Mentor: Matthew J. Garrett
  Track: Diversity, Equity, Inclusion (DEI)

The Impact of Societal Norms on Self-Perception
  Scott P. Talmadge, Ashlyn Hemm, Jack R. Townsend,
  Andrew C. Hogse, Bethel Y. Hailu, Chase Hefel
  Advisor/Mentor: Kathryn J. DeShaw
  Track: Diversity, Equity, Inclusion (DEI)

In-Person vs Hybrid Course Format on Sedentary Time in
College Students
  Erin E. Rankin
  Advisor/Mentor: Kathryn J. DeShaw

Investigating the impact of a wellness course on health-
related behaviors in college students
  Luke J. Bolstad
  Advisor/Mentor: Kathryn J. DeShaw
  Track: High Impact Practices (HIP)

Exploring the Antimicrobial Properties of Phytochemicals
Found in Different Cultivars of Garlic
  Victoria H. Le
  Advisor/Mentor: Aditi Sinha

The Bronx 1979-82
  Georgia C. Walter
  Advisor/Mentor: Paul R. Kohl

Times and Places in Rock & Roll: San Francisco
  Grace S. Kopcio, Harmony M. Creasy,
  Allen R. Catour, Carl J. Irving
  Advisor/Mentor: Paul R. Kohl

Characterization of OPAI Mechanism of Action
  Arturo J. Perez Dolores
  Advisor/Mentor: Andrew D. Kehr

Creating a Disease-Causing Mutation in the Cross Sections
of the Predicted Opal Structure
  Sara M. Backus
  Advisor/Mentor: Andrew D. Kehr

Impact of Mutation L593P on Catalytic Efficiency and
Dimerization in Opal
  Brian M. Day
  Advisor/Mentor: Andrew D. Kehr

  Madeline G. Reavley, Jonathan Crase,
  Evelyn Ruiz, John S. Carlson
  Advisor/Mentor: Paul R. Kohl

Times and Places in Rock & Roll: The British Invasion
  Tyler D. Bass, Daniel New, Andrew M. Robey,
  Georgia C. Walter
  Advisor/Mentor: Paul R. Kohl

The influence of Knee Strength on the Development of
Running Related Injuries
  Anna C. Smarjesse, Bailey M. Herrald,
  Elissa M. Morales-Villanueva
  Advisor/Mentor: Molly Figgins
  Track: High Impact Practices (HIP)

The Effect of a Fitness Intervention on Obesity and
Osteoarthritis in Adults
  Caitlin D. Farrell, Christopher E. Grunke Jr
  Advisor/Mentor: Molly Figgins
  Track: High Impact Practices

Advocating for Social Workers in Policing
  Selena M. Fischer, Katherine Walsh, Elizabeth
  A. Meisner, Coby L. Johnson, Sophia D. Sosa
  Advisor/Mentor: Amanda M. Reynolds
  Track: Diversity, Equity, Inclusion (DEI)

Save our Women Pay More
  Grace L. Van Petten, Taylor A. Flaig, Dwayne
  Emilus, Haylee J. Virden, Mariah E. McNamara
  Advisor/Mentor: Amanda M. Reynolds
  Track: Diversity, Equity, Inclusion (DEI)

SESSION 2 - ADVOCATES

10:15 – 11:15 AM

Importance of Financial Planning Education
  Kevin J. Blomquist
  Advisor/Mentor: Brian J. Kallback
  Track: High Impact Practices

Destigmatize Autism
  Abigail K. Hentges, Katie C. Callahan,
  Margaret M. Phelps, Mary C. Bean, Chloe D. Dunigann,
  Grace S. Kopcio, Quinn P. Frese, Shanti Tamang
  Advisor/Mentor: Jake C. Kurczek
  Track: Diversity, Equity, Inclusion (DEI)

The Fight for Housing
  Alex M. Sandoval, Lydia M. Recker, Gavin T. Sarvis,
  Ahmari J. Meeks-Miller, Gabrielle F. Langlois
  Advisor/Mentor: Jake C. Kurczek
  Track: Diversity, Equity, Inclusion (DEI)

Service Learning Project with DuBuddies
  Alexis Tatum, Emma J. Pajtash, Keely A. Pilcher,
  Celine Morris, Lily L. McDermott, Aerionna E. Thomas
  Advisor/Mentor: Jake C. Kurczek
  Track: Diversity, Equity, Inclusion (DEI)
Expression of Dominant Optic Atrophy causing OPA1 mutations in E. coli bacteria
Noah A. Robins
Advisor/Mentor: Andrew D. Kehr
Track: High Impact Practices (HIP)

Investigating the Effect of E487K Mutation on Opa1 Function
Nathaniel A. Roethler
Advisor/Mentor: Andrew D. Kehr

Investigation of the chemical interactions of Opa1, a mitochondrial fusion protein related to progressive vision loss
Jamille Lockhart
Advisor/Mentor: Andrew D. Kehr
Track: High Impact Practices (HIP)

Protection of Individuals and Their Mental Health in Schools
Mickinley M. Blean, Elizabeth G. Stock, Alexa J. Kolehmainen, Molly A. Monson
Advisor/Mentor: Amanda M. Reynolds
Track: Diversity, Equity, Inclusion (DEI)

Implementation of Dropout Prevention Programs for At-Risk Youth
Abigail A. Riegler, Natalie J. Lung, Audrey G. Brooks, Tanner E. Carter, Jevon A. Williams
Advisor/Mentor: Amanda M. Reynolds
Track: High Impact Practices (HIP)

Veteran Aftercare Advocacy
Miranda E. McHugh, Maliah J. Powell, Anika L. Reed
Advisor/Mentor: Amanda M. Reynolds
Track: Catholic Social Teaching (CST)

Accommodations Focus Group Project
Ivan Rico
Advisor/Mentor: Kathy A. Weber
Track: Diversity, Equity, Inclusion (DEI)

The torque due to a distant third body can produce wide oscillations in the eccentricity of a binary stellar star system
Jack J. Timmerman, Juan J. Camacho
Advisor/Mentor: Kenneth W. McLaughlin

Flood Modeling: Urban Ports
Xitlalili Perez, Shawn Egbon, Subhekshya Wasti, Carter B. Anderson
Advisor/Mentor: Devayan Bir

Analog Pressure Measurement
Gabriel T. Mailloux, Micah A. Hendricks, Justin D. Hayes, Eric M. Kinkaid
Advisor/Mentor: Devayan Bir

Accelerating Additive Manufacturing
Kevin D. Kessel, Dakoda M. Powell, Mitchell J. Gruber, Ryan A. Shealer
Advisor/Mentor: Devayan Bir

Force Altering Brace
Gilberto Garcia, Juan S. Brinez-Camacho, Joshua O. Delgadillo, Jack J. Timmerman
Advisor/Mentor: Devayan Bir
Track: High Impact Practices (HIP)

A Poster Presentation: How the Military Saves for Retirement: What is the Thrift Savings Plan?
Brittany J. Richard
Advisor/Mentor: Brian J. Kallback
Track: High Impact Practices (HIP)

Financial Plan
Justin R. Schultz
Advisor/Mentor: Brian J. Kallback

The Importance of Financial Literacy
Erick A. Rodriguez
Advisor/Mentor: Brian J. Kallback
Track: Diversity, Equity, Inclusion (DEI)

Thanksgiving TREC Trip to McKee, KY
Madi N. Atkinson, Sadikshya Bhattachari, Diego J. Rodriguez, Hannah E. McDermott, Sameer Aryal, Win Htet, Samyush B. Rana
Advisor/Mentor: Hannah J. Eby
Track: Catholic Social Teaching (CST)

Combating Food Insecutries
Advisor/Mentor: Valerie R. Bell
Track: Diversity, Equity, Inclusion (DEI)

The Effect of Auditory Stimuli on Sustained Attention
Jordan Mumm
Advisor/Mentor: Jake C. Kurczek
Track: High Impact Practices (HIP)

The Masterpiece... We're Listening
Madison G. Foeis, Chloe D. Dunigan, Swagat R. Karki, Evan B. Bogard, Emily I. Delamora, Elise M. Kalina, Kate E. Rogers, Jaxon A. McDonald
Advisor/Mentor: Jake C. Kurczek
Track: Diversity, Equity, Inclusion (DEI)

Comparing NonInvasive Treatments for Epilepsy with Surgery and Medication
Ariel A. Anderson
Advisor/Mentor: Jake C. Kurczek
Hearing and the Auditory Cortex
Alexandria A. Blaine
Advisor/Mentor: Kate M. Cooper

Studying Dictyostelium discoideum cell adhesion and migration on substrates of different stiffness
Nina Nguyen
Advisor/Mentor: Kate M. Cooper

Age-Related Hearing Loss due to Noise Damage in Mice with V2J Mutation of Cadherin-23 Protein
Cierra M. Bachmann
Advisor/Mentor: Kate M. Cooper
Track: High Impact Practices (HIP)

Noise-Induced Hearing Loss in Mice with Varying Cadherin-23 Genotypes
Erin E. Conley
Advisor/Mentor: Kate M. Cooper
Track: High Impact Practices (HIP)

Qualitative Interviews: Experiences of Minority College Students at a Small PWI
Max S. Ellenbecker, Bryan M. Basinger, Kareem Kassas, Pablo Rodriguez
Advisor/Mentor: Lisa R. Grinde
Track: Diversity, Equity, Inclusion (DEI)

Flip your attitude, Give Gratitude!
Jacob T. Fenton, Bailey N. Vaughan, Elizabeth Szynal
Advisor/Mentor: Lisa R. Grinde

Coping Mechanisms for Racial Microaggressions
Pablo Rodriguez, Max S. Ellenbecker, Bryan M. Basinger, Kareem Kassas
Advisor/Mentor: Lisa R. Grinde
Track: Diversity, Equity, Inclusion (DEI)

Multidrug Resistance Inhibition in S. Cerevisiae using the Pdr1p DNA Binding Domain
Charles C. Chang
Advisor/Mentor: Bryce Taylor

Using CRISPR to Investigate the Phenotype of Ancient Saccharomyces Cerevisiae
Megan Brown
Advisor/Mentor: Bryce Taylor

Impact of Mutation on PDR5 transport Profile
Prosper Arhin Anane
Advisor/Mentor: Bryce Taylor

Using Experimental Evolution to Develop Yeast Strains with Improved Aroma Profiles
Morgan T. Lee
Advisor/Mentor: Bryce Taylor

Student Safety with Campus Blue Lights Poster
Taylor R. Hrabak
Advisor/Mentor: Kenny Loui
Track: High Impact Practices (HIP)

Developing a Yeast Compatible Opal Plasmid for Examining Glycosylation
Abigail L. Landwehr
Advisor/Mentor: Andrew D. Kehr

Exploring Disease-linked Mutations in a Predicted Lipid-binding Domain of Opal
Megan M. Berndt
Advisor/Mentor: Andrew D. Kehr
Track: High Impact Practices (HIP)

The Hoffman-Schneider Funeral Home Data Research Internship
Welleh J. Cooper
Advisor/Mentor: Kristin M. Anderson-Bricker
Track: Diversity, Equity, Inclusion (DEI)

D.C. TREC Trip: Peace Through Many Lenses
Madi N. Atkinson, Ava Bradley, Jacob J. Weber, Andrew Martinez, Kelsey Mucia, Xitlali Perez, Sameer Aryal, Subheksya Wasti, Neveah C. Jones, Stacia McDermott
Advisor/Mentor: Hannah J. Eby
Track: Catholic Social Teaching (CST)

Electrophilic Addition to Conjugated Diene Systems
Mitchell S. Niewegowski
Advisor/Mentor: David J. Oostendorp

Investigation into the Mechanism of the 1,2 Addition of Hydrogen Halides to Conjugated Dienes
Prosper Arhin Anane
Advisor/Mentor: David J. Oostendorp

Advances in the Degradation Process of Poly(ethylene Terephthalate (PET))
Valentina Camelo Vega
Advisor/Mentor: Christina M. Edwards
Track: High Impact Practices (HIP)

Animal Shelters in Dubuque
Mallory P. Boehrle, Aubrey L. Horbach, Addison M. Brock, Titus J. Mullen, Alexandros Moysidis, Rachel A. Fosler, Hannah M. Quinones
Advisor/Mentor: Traci Phillipson

Learning Abroad
Molly A. Monson, Pearl M. Mueller
Advisor/Mentor: Hilairie B. Welsh
Track: High Impact Practices (HIP)

Attributions for Abstinence from Opioids
Carly Boens, Abigail M. Eriksen
Advisor/Mentor: Kirstin J. Lauritsen
Times and Places in Rock & Roll: Memphis
Emily P. Vaughn, Kylee M. Garrett, Noah J. Gray, Jacob Lindsey
Advisor/Mentor: Paul R. Kohl

Times and Places in Rock & Roll: Los Angeles
Xander M. George, Maxx Garcia, Patrick J. Louscher, Brandon F. Murray
Advisor/Mentor: Paul R. Kohl

Times and Places in Rock & Roll: Seattle Grunge
Cameron T. Nohos, James N. Solis, Cole Z. Blazekovich, Jonah R. Clark
Advisor/Mentor: Paul R. Kohl
Track: High Impact Practices (HIP)

Exploring Electric Energy: E-Kart Prototype
Madison D. Doss, Lauren E. Sieverding, Maya J. Van Erp, Jaylen M. Cangas
Advisor/Mentor: Devayan Bir
Track: High Impact Practices (HIP)

Thermoelectric Generator Charging Device
Jadyn Anderson, Abraham J. Michel, Felipe Ramirez
Advisor/Mentor: Devayan Bir
Track: High Impact Practices (HIP)

Cargo Drone
Unisha Thapaliya, Juan J. Camacho
Advisor/Mentor: Devayan Bir

Investigation of Hazing and Student Organization Initiation Perceptions on a College Campus
Ciera M. Hansen, Rachael M. Hanson, Madaielín S. McCabe, Madi N. Atkinson
Advisor/Mentor: Lindsey N. Bartgis
Track: High Impact Practices (HIP)

The Effects of a Fitness Intervention on Flexibility and Obesity
Claire T. Campbell, Amanda Williams
Advisor/Mentor: Molly Figgins
Track: High Impact Practices (HIP)

The Influence of Hip Strength on the Development of Running Related Injuries
Aaron J. Dvorak, Jenny K. Ortiz
Advisor/Mentor: Molly Figgins

The Effects of Exercise Programming on Strength and Obesity
Mallery R. Pearson, Logan T. Ludlum
Advisor/Mentor: Molly Figgins
Track: High Impact Practices (HIP)

Native Pollinator and Mental Health Garden
Bethannie E. Hartman, Rachel A. Burke, Kelly K. Peterson, Hannah E. Busch, Sameer Aryan, Maura E. Tracy
Advisor/Mentor: Stacey Bales

How Promotion of Majors Affect Student Declarations
Abbey V. Kwiatkoski, Kassandra R. Rich, Alexa Reyes, Georgia C. Walter, Makayla E. Vogt, Brooke L. Kruse, Abigail M. Eriksen
Advisor/Mentor: Lisa L. Garoutte
Track: High Impact Practices (HIP)
SESSION 5

3:20 - 4:20 PM

Theme: Thresholds
Location: MARC 102

Moderator: Jacob Kohlhaas

Writing Beyond the Classroom  Emily Difilippo
Initiatory Ecumenism: Eastern Christian Influence on
Roman Catholic Adult Initiation Rites  David A. Pitt
The U.S. Southern Border Wall: An Environmental Crime
Valerie R. Bell

Theme: Blues
Location: MARC 202

Moderator: Susan Crook

Writing Beyond the Classroom  Kenny Loui
Must be the Blues  Glenn E. Pohland

Theme: Pedagogy
Location: MARC 402

Moderator: Bryce Taylor

Engaging Aging: A Pilot of CBL, CST, and ABCD in the
Adulthood and Aging Course  Lisa R. Grinde
The Best Literature on the Use of Games in Education
Jacob R. Heidenreich
Moral Injury, A Discussion of Catholic Ethics and
Contemporary Psychology  Heleana Theixos

SESSION 6

4:30-5:30 PM

Theme: Form and Function
Location: MARC 102

Moderator: David Oostendorp

Community Based Simulations in a Quantitative Reasoning
Course  Susan B. Crook
Effigy Mounds, an excerpt from Midwest Bedrock
Kevin J. Koch
The Relationship between Student-Athlete’s Grit and
Academic Performance during COVID-19 at a Small,
Division 3, Midwestern Private College  Tammy S. Marti

Theme: Culture
Location: MARC 202

Moderator: John Eby

Let’s EATS! And We Aren’t Talking About Food
Heidi Nelson and Stephan Nelson

“My Husband Thinks There is a Fair Balance:” An
Examination of Gendered Household Division of Labor
among Academic Parents during the COVID-19 Lockdown
Kathrin A. Parks

“Twas In the Moon of Wintertime”: Culture, Colonialism,
and a Canadian Christmas Carol  David A. Pitt

Theme: Dialogs
Location: MARC 402

Moderator: Jacob Heidenreich

Integrating Interprofessional Healthcare Education and
Overcoming Barriers  Molly Figgins, Sharon Feld
Writing Beyond the Classroom  Becky Smith
Inaugural CDOs at Small Private Institutions: A Qualitative
Study  Sergio Perez
Anderson, Mary (Library, 2021-)

Bauerly, Donna (English, 1971-2007)


Bowman, Mary Jo (Lab Technician, 2013-)

Collins, James E. (President, 2004-)
“Experiencing college close to home can provide numerous benefits.” Telegraph Herald [Dubuque] (April 17, 2022): 4A.

DeShaw, Kathryn J. (Kinesiology, 2019-)


Eagleson, Gerald W. (Biology, 1979-2008)
“Exploring demise of common decency.” [Dubuque] Telegraph Herald, November 1, 2022, 4A.


Figgins, Molly (Athletic Training, 2015-)

Heidenreich, Jacob (Mathematics, 2006-)

Koch, Kevin (English, 1983-)

“The ‘quiet full of noise.”’ Telegraph Herald [Dubuque]. September 1, 2022. 7A-8A.


Loui, Kenny (Criminal Justice, 2020-)


Mamali, Catalin S. (Psychology, 1996-2008)

McLaughlin, Kenneth W. (Physics and Engineering, 1998-)  

Parks, Kathrin A. (Sociology, 2007-)  


Pitt, David (Religious Studies, 2007-)  

Pollock, James (English, 2002-)  

Stough, Jeremy (Technology Support, 2021)  

Taylor, Bryce (Biology, 2021-)  


VanLaningham, Erin (English, 2011-)  

Weish, Hilarie B. (Education, 2012-)  

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Dear Loras College Community,

Thanks to all of you for making the 10th Legacy Symposium a success. What an exciting milestone! This event would not be possible without the dedication and effort of faculty, staff and students from across campus. There are many that warrant special recognition:

To Msgr. James Barta, for his continued support and inspiration;

To President Jim Collins and Provost and Academic Dean Donna Heald, for their leadership;

To faculty and staff who challenge students to become scholars and leaders;

To students who pursue excellence and share their love of learning;

To colleagues who helped with the planning, preparation and multiple other logistics;

We offer special gratitude to our student assistant, Melissa Torres, as she was instrumental in our planning and to our implementation; and

We also honor the founders of the Legacy Symposium, Drs. Kate Cooper, Lisa Garoutte, Aditi Sinha, and Erin VanLaningham.

The Legacy Symposium is a day of celebration of what Loras College does best. Thank you!

The Legacy Symposium Planning Committee
Ms. Kathy Weber, co-chair; Ms. Erin McGovern, co-chair; Dr. Seungho Shin, Dr. Biniv Maskay, Ms. Heidi Pettitt, Dr. Bryce Taylor & Dr. Neely Farren-Eller