The Saint Mary’s Symposium
Research and Creative Scholarship
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CONFERENCE SESSION
9 - 9:10 a.m.
Welcome

Opening remarks by Laura Williamson Ambrose, associate professor of humanistic studies

Vander Vennet Theatre

9:10 – 10:30 a.m.
Session 1: Environment
Earley Conference Rooms

Moderator: Cassie Majetic, associate professor of biology

ORAL PRESENTATIONS
“Genetic control on the migratory phenology of tree swallows”
Katie Frego ‘18, biology

“The microbiology of fresh, surface, and deep bat guano samples, including the detection of possible pathogens”
Makenzie Duncan ‘18, biology

“Cu(II) acquisition and reduction by mutated hCtr1-14 peptides reveals new information in reduction mechanism”
Morgan Matthews ‘18, chemistry

POSTERS
“Development of a yeast biosensor for the detection of prednisone”
Heather Miller ‘19, biology

“Sestrin 2 and its importance in survival in anchorage-independent SKOV3 cells”
Leann Tulisiak ‘18, biology

“Acoustic scanning behavior in the northern short-tail shrew”
Margaret Gleason ‘20, biology

“The effect of environmental conditions on the detection frequency of owl calls”
Allison Pudlo ‘17, research assistant
**Session 2: Scholarship of Teaching and Learning**  
Vander Vennet Theatre

Moderator: **Aaron Moe**, assistant professor of English

*“The academic library’s contribution to student success: Library instruction and GPA”*  
**Ula Gaha**, faculty librarian; **Catherine Pellegrino**, interim library director; and **Suzanne Hinnefeld**, faculty librarian

*“Notes from the center: What IS a writing center and what DOES it do?”*  
**Aaron Bremyer**, director of writing center; and writing tutors

*“The implications of high stakes assessments on minority students’ academic success”*  
**Kay Thursby ’18**, psychology

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**10:40 a.m. – 12 p.m.**

**Session 1: Living Well**  
Earley Conference Rooms

Moderator: **Kimberly Sangster**, assistant professor of social work

*“Antioxidant enzymes mediate the survival of ECM-detached ovarian cancer cells”*  
**Calli Versagli ’09**, assistant professor of biology

*“Just water? Exploring biological and social determinants of public health in Kathmandu, Nepal”*  
**Adrian Milos ’19**, biology

*“Intergenerational programs: An emerging vehicle for improving the lives of older adults”*  
**Kaitlin Ryczek ’18**, psychology

*“Gold”*  
**Brooke Younker ’18**, English writing; Spanish and public relations and advertising minors

**Session 2: Storytelling: From Margin to Center**  
Vander Vennet Theatre

Moderator: **Jennifer Zachman**, associate professor of modern languages

*“Transgender in the heartland: Seeking and finding community in small town mid-America”*  
**Jamie Wagman**, assistant professor of history and gender and women’s studies

*“Peripheral writings in the Colombian armed conflict”*  
**Sandra Úsuga Giraldo**, lecturer of modern languages

*“English collective memory of the Victorian Age”*  
**Veronika Hanks ’18**, gender and women’s studies and global studies

*“The shape of narrative: Game design”*  
**Krista Hoefle**, associate professor of art; **Dionne Bremyer**, assistant professor of English; **Mary Brophy ’18**, English writing and humanistic studies; **Susan Kratzer ’18**, English writing and political science; **Riley Harber ’19**, English writing; and **Stephanie Johnson ’18**, theatre

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**1 – 2:20 p.m.**

**Session 1: Medieval Matters**  
Earley Conference Rooms

Moderator: **Stacy Davis**, professor of religious studies

*“‘Like the angels in heaven’: Enticing medieval women to virginity”*  
**Sarah Noonan**, assistant professor of English

*“Sage en fait: Morals and manners in the Middle Ages”*  
**Margaret Gower**, assistant professor of religious studies

*“Medieval and modern mass communication: Images of women in medieval sermons”*  
**Jessalynn Bird**, assistant professor of humanistic studies

*“Using the medieval counting table”*  
**Cheryl Periton**, lecturer of mathematics and computer science
Session 2: Crime, Justice, and Politics: A Roundtable Discussion  
*Earley Conference Rooms*

Moderator: **Kelly Faust**, assistant professor of sociology

- "Women's involvement in post-conflict reconstruction"
  **Alexandria Shambery '18**, political science and gender and women's studies

- "Effects of chivalry, race, and attractiveness on crime sentencing"
  **Kayla Zellmer '18**, psychology and gender and women's studies

- "Gloria Frankel: LGBTQ activist and icon in 1970s Michiana"
  **Jordan Lolmaugh '19**, psychology and gender and women's studies

- "Loretta Ross, reproductive justice"
  **Jalyn King '20**, gender and women's studies and history

Session 3: Sound and Communication  
*Vander Vennet Theatre*

Moderator: **Rhonda Tomenko**, assistant professor of communicative sciences and disorders

- "Effectiveness of the cycles phonological remediation in a client with down syndrome"
  **Natalie Dock '19**, **Katie Goble '18**, **Carmela LaGambina-Lockwitz '18**, and **Emily Miron '18**, communicative sciences and disorders

- "Welcome home: Brazilian free-tailed bats adjust their echolocation calls to detect cave openings"
  **Kathryn McGowan '19**, biology and global studies

- "Francophone literature in translation"
  **Riley Harber '19**, English writing and French; gender and women's studies minor

2:30 – 3:50 p.m.

Session 1: Migration and Mobility  
*Vander Vannet Theatre*

Moderator: **Laura Elder**, assistant professor of global studies

- "Limb bone scaling of functionally divergent turtle clades"
  **Vanessa Young**, assistant professor of biology

- "Geographic variation in the clock gene in relation to migration in the blackpoll warbler"
  **Melissa Montes '18**, biology

- "Picturing the South in the 1950s: Traveling with Robert Frank and Gordon Parks"
  **Peter Wang**, visiting assistant professor of art

- "The second generation"
  **Nicole Caratas '18**, English writing and humanistic studies

Session 2: Gender, Race, and Popular Culture: A Roundtable Discussion  
*Earley Conference Rooms*

Moderator: **Bettina Spencer**, associate professor of psychology and gender and women's studies

- "Fractured friendships and finding oneself: Adolescent girls losing friends but finding their voices in recent young adult literature"
  **Terri Suico**, assistant professor of education

- "Heroes and sheroes: The effects of children's exposure to superhero dolls on assumptions about what boys and girls can do"
  **Julia Sturges '18**, psychology and gender and women's studies

- "Who tells your story: Lin Manuel Miranda's color conscious casting and the women of Hamilton"
  **Katherine Wankelman '20**, gender and women's studies and social work

**SENIOR SHOWCASE AND SOCIAL HOUR**  
*Rice Commons, Student Center*

4 – 5:30 p.m.

**Welcome**
Opening remarks by **President Janice A. Cervelli**

**Performances**
Reading from "Irreconcilable Visions"
**Olivia Jones '18**, English writing
TED-style talk “Practical design: Addressing the struggles of motherhood within the refugee crisis”
Stephanie Stapleton ’18, art

Senior voice recital
Katherine Freed ’18, music

**Poster Session**

**ART**
“Concept of a collector”
Mia Kincaid ’18, art and humanistic studies

**BIOLOGY**
“The effect of altitude on frequency and duration of echolocation calls of *Tadarida Brasiliensis* recorded with an unmanned aerial vehicle during re-entry”
Morgan Kinniry ’18, biology

“Peroxiredoxin 2 and its role in metastasis of ovarian cancer”
Darya Bondarenko ’18, biology; chemistry and studio art minors

**BUSINESS AND ECONOMICS**
“Comprehensive project on Target Corporation”
Sarah Connaughton ’18, accounting; finance concentration, Anna McCambridge ’18, business administration; management and marketing concentrations, Ming Sun ’18, business administration; finance, international business, and management concentrations, and Mary Clare Vicenzi ’18, accounting

“Comprehensive project on Groupon, Inc.”
Lillian Freund ’18, business administration; marketing concentration, Theresa McSorley ’18, business administration; finance and marketing concentrations, Katherine Ryan ’18, accounting, and Jamie Moran ’18, business administration; marketing concentration, in absentia

**CHEMISTRY**
“Influence of microparticle surface curvature on particle-cell interactions”
Leah Buck ’18 (ND ’19), chemistry and chemical engineering; mathematics and physics minors

“Using peptide mimetics to study the activity of mitochondrial proteases”
Catherine (Kate) McMahon ’18, chemistry

**COMMUNICATION STUDIES**
“Fashionable ethics, communication studies and theatre”
Emily Lenahan ’18, communication studies; public relations and advertising and sociology minors

“Amazing grace: A generic criticism of Barack Obama’s eulogy to Clementa Pinckney”
Colleen Zewe ’18, communication studies

**COMMUNICATIVE SCIENCES AND DISORDERS**
“Phonetic and lexical context effects of speech perception in noise in children”
Emily Baert ’18, communicative sciences and disorders and sociology, Hannah Beach ’18, communicative sciences and disorders; gerontology minor, and Katherine Goble ’18, communicative sciences and disorders and psychology; early childhood education minor

**ENGLISH**
“Evaluating the ethics of reporting on humanitarian crises in Joe Sacco’s *Palestine*”
Martha Reilly ’18, English literature

**ENVIRONMENTAL STUDIES**
SISTAR Project
“Responding to Pope Francis’ call to action: A Saint Mary’s College farm-to-table coffee shop”
Jennifer Hagenauer ’18, global studies; environmental studies minor

“The impacts of the global gag rule on family planning services and environmental health in sub-Saharan Africa”
Malia Hosoi-Gallucci ’18, global studies; environmental studies minor

**GENDER AND WOMEN’S STUDIES**
“The ownership of birth: How American capitalism restricts women’s authority over their own maternity care”
Caitlin Mahoney ’18, gender and women’s studies

“20th Century marijuana: Understanding its race and gender politics from legalization to the war on drugs”
Nina Steele ’18, gender and women’s studies

**GLOBAL STUDIES**
“Argentinian dictatorship: An analysis of truth and memory building after violations of human rights to bring justice”
Louise Chectcuti ’18, global studies; international development concentration and Spanish; business administration minor
“Maternal and infant healthcare: Comparing refugee experiences in the Dominican Republic to Spain”
Megan Uekert ’18, global studies; intercultural studies concentration; chemistry minor

HISTORY
“The decision that divided the nation: The effect of the Korematsu decision on the national narrative of citizenship”
Lillian Cronin ’18, history and political science

“Rwanda’s construction of memorial sites and a national narrative: Collective memory and continued violence in the aftermath of a genocide”
Alison Tipton ’18, history and philosophy

HUMANISTIC STUDIES
“Anne of Austria: Mother, regent, queen”
Anastasia Bradley ’18, humanistic studies; business administration minor

“Social status and slavery in Aphra Behn’s Oronoko”
Katherine Piscione ’18, humanistic studies and philosophy

MATHEMATICS AND COMPUTER SCIENCE
“Juvenile recidivism in Iowa’s First District”
Emma Foley ’18 (ND ’19), mathematics and civil engineering

“The extraction of roots as explained in Robert Recorde’s The Whetstone of Witte”
Sarah Kaltenbach ’18 (ND ’19), mathematics and mechanical engineering

MODERN LANGUAGES
“Women writing men: The portrayal of masculinity in two 20th-Century Spanish novels”
Michelle Casado ’18, Spanish

“A clear conscience: Literature, news, and social justice in Spain”
Emma Green ’18, Spanish

MUSIC
“Music and its effects on individuals with dementia”
Franny Wall ’18, music and psychology

POLITICAL SCIENCE
“The roots and impacts of political cynicism in the 2016 election”
Susan Kratzer ’18, political science and English writing

“Power of population: Politics of states’ LGBT policy”
Morgan York ’18, political science and sociology

PSYCHOLOGY
“Television’s use as a coping mechanism for stress and negative emotion”
Mara Egeler ’18, psychology; biology minor

“Time theft among newly hired graduates”
Samantha Ricciuti ’18, psychology and communication studies

SOCIAL WORK
“Perceptions of Islam – A generational study”
Marilla Opra ’18, social work and global studies

“An exploration of death anxiety, religious participation, and perception of end of life among practicing Jewish and Islamic older adults”
Evelyn Martinez ’18, social work, Eileen Monahan ’18, social work, and Alaine Murawski ’18, social work; gerontology minor

SOCIETY
“I am homeless, but I’m not homeless’: How guests at the Center for the Homeless construct identity”
Emily Baert ’18, sociology and communicative sciences and disorders

CAREER CROSSINGS
Eleanor Roosevelt Papers Project at George Washington University
Kayse McGough ’18, history and communication studies; music minor

Internship in Senator Ted Cruz’s office
Clare McKinney ’18, political science; business administration minor

Student Independent Study and Research (SISTAR) Awards

“Modeling addiction relapse-recovery cycling, case study: Alcoholism”
Monica McGrath ’19, statistical and actuarial mathematics; computer science minor and Jacob Duncan, assistant professor of mathematics and computer science

“What does it mean to be a teacher in a rural school? A case study of teachers in White County, IN”
Kristie LeBeau ’18, sociology and Leslie Wang, associate professor of sociology

“Responding to Pope Francis’ call to action: A Saint Mary’s College farm-to-table coffee shop”
Jenny Hagenauer ’18, global studies; environmental studies minor and Amy Gillan, associate professor of education