

Schedule of Events

Time	1 st Floor (Welcome Center)	Main Lounge	2 nd Floor Ballroom	3 rd Floor
11:45	REGISTRATION OPENS			
12:00				
12:30				ORAL PRESENTATIONS
1:00				
1:30		POSTER PRESENTATIONS & SERVICE TABLES		
2:00				
2:30				
3:00				
3:30				ORAL PRESENTATIONS
4:00				
4:30				Special Panel
5:00			RECEPTION & AWARDS CEREMONY	
5:30				
6:00				
6:30				
7:00				

Information Tables

1:30 – 3:30 – Main Lounge, Iowa Memorial Union

We are pleased to welcome representatives from a variety of campus resources and offices as well as local community organizations interested in graduate student collaborations. All faculty, staff and student attendees are invited to stop by to ask questions or pick up information and enjoy the refreshments available. See supplemental insert for a full listing of the organizations attending.

Oral Presentation Schedule

12:30 – 4:30 PM – 3rd Floor, Iowa Memorial Union

To achieve the conference's mission of connecting the campus and fostering interdisciplinary communication, oral presentations are organized by topic rather than by department. Topical organization allows students who wouldn't normally have the opportunity to share each other's work gain a perspective from a different looking glass.

Presenters should expect to give their talks in the order they are shown in on the schedule.

Oral Presentations, Session One

12:30 – 1:30

Gender, Women's, and Sexuality Studies I

Big Ten Theater (348)

Presenter	Department	Title
Christopher Thomas	<i>Communication Studies</i>	The Mothers of East Los Angeles: (Other)mothering for Environmental Justice
Kacie Rubalcava	<i>American Studies; Women, Gender and Sexuality Studies</i>	The Hands that Touch the Oranges: The Marginalization of Women's Labor History in Historic Preservation
Dellyssa Edinboro	<i>Education Policy and Leadership Studies (EPLS)</i>	Patterns, Rhythms, and Quilting: Black Women's Interweaving of Politics and Education in the Civil Rights Era (1954-1965)

Digital Humanities

Herky Room (343)

Presenter	Department	Title
Caitlin Marley	<i>Classics</i>	The Shape of Cicero: A Sentiment Analysis of Cicero's Orations
Alexander Ashland	<i>English</i>	Making Data Fit: What Digital Repackaging Can Do for the Humanities
Andrea Lakiotis	<i>MFA Literary Translation</i>	Interactive Digital Translation

Human Capital: Recruitment, Retainment, and Working Environment

47 Things Room (346)

Presenter	Department	Title
Kristina Bigsby	<i>Informatics</i>	Keeping it 100: Social Media and Self-Presentation in College Football Recruitment
Roberto Benzo	<i>Health and Human Physiology</i>	Acute Effects of Interrupting Sitting on Discomfort and Alertness of Office Workers
Brittany Givens	<i>Chemical and Biochemical Engineering</i>	Characterizing Toxicity of Industrial Engineered Nanomaterials
I-Heng (Ray) Wu	<i>Management and Organizations</i>	Understanding when Overqualified Employees Engage in Job Searching or Internal Mobility Behaviors.

Global Language and Education

Homecoming Room (345)

Presenter	Department	Title
Mitchell Lingo	<i>Education Policy and Leadership Studies (EPLS)</i>	Stratification in Study Abroad Participation
Anna Mikhaylova	<i>Foreign Language Acquisition, Research and Education (FLARE)</i>	The Issue of Second Language Proficiency in Integrated Writing Assessment Tasks
Yue Hu	<i>Political Science</i>	Cultural vs. Non-cultural Impacts: How Does Language Policy Influence Political Trust?

Genes and Disease I

MGC Room (337)

Presenter	Department	Title
Chethya Ranasinghe	<i>Chemistry</i>	Effects of Protein Isotopic Labeling on Formate Dehydrogenase Bio-Catalysis
Bolu Zhou	<i>Pharmacology</i>	Genes Candidates in Rat Kidney Regulated by RGD1562963 that are Involved in Metabolic Syndromes
Eric Emmons	<i>Neuroscience</i>	Frontal Control of Temporal Processing in the Striatum
Muhammad Rahman	<i>Biology</i>	Combined Administration of P7C3-A20 and Ibuprofen Protects Rat Spiral Ganglion Neurons after Aminoglycoside Deafening

The Toxic Environment

Old Capitol (347)

Presenter	Department	Title
Md. Robiul Islam	<i>Chemistry</i>	Primary and Secondary Sources of Ambient Particulate Matter in the Kathmandu Valley, Nepal
Ezazul Haque	<i>Occupational & Environmental Health</i>	The Lead (Pb) Crisis in East Chicago, an Untold Story
Gavin Parker	<i>Chemistry</i>	Chemical Characterization of Metals in House Dust of COPD Patients
Eric Uwimana	<i>Human Toxicology</i>	Human CYP2A6, CYP2B6 and CYP2E1 Metabolize Chiral Polychlorinated Biphenyls (PCBs) to Hydroxylated Metabolites

Oral Presentations, Session 2

1:30 – 2:30

Gender, Women's, and Sexuality Studies II

Big Ten Theater (348)

Presenter	Department	Title
Nina Morrison	<i>Theatre Arts</i>	The Age of Innocence
Alea Adigweme	<i>Communication Studies</i>	"A Plea for Color" in <i>Quicksand</i> : Excavating the Essay in Nella Larsen's 1928 Novella
Holly Stevenson	<i>Philosophy</i>	Racial Justice Isn't Black or White

Social Meanings of Place

Herky Room (343)

Presenter	Department	Title
Katherine Ostdiek	<i>English</i>	Digitally Mapping “Closed Worlds” in George Gissing’s <i>The Nether World</i>
Mary Wise	<i>History</i>	Sites of Sovereignty: Emma Big Bear Holt and Amateur Archaeologists, 1917-1968
Tania Lefevre	<i>Education</i>	Finding Tato

Math and Optimization

47 Things Room (346)

Presenter	Department	Title
Bhupesh Shetty	<i>Management Sciences</i>	Process Pattern Mining: Identifying Sources of Assignable Error Using Process Event Logs
Michael Redmond	<i>Management Sciences</i>	Most Reliable Travel Itinerary
Kevin Bombardier	<i>Mathematics</i>	Atoms in Quasi-local Atomic Domains
Elaina Aceves	<i>Mathematics</i>	Extending the Definition of the Fractional Dehn Twist Coefficient

Language: Rhetoric and Political Discourses

Homecoming Room (345)

Presenter	Department	Title
Subin Paul	<i>Journalism and Mass Communication</i>	The Qatar-Gulf Crisis and Narratives of Emotionality in Nepal’s English-language Press
Volha Kananovich	<i>Journalism and Mass Communication</i>	Discursively Empowered and Distrustful: The Impact of the Rhetorical Construction of the Taxpayer on Political Trust
Laura Brown	<i>Philosophy</i>	Free Speech and Alienation

Presenter	Department	Title
Austin Rau	<i>Geographical & Sustainability Sciences</i>	Environmental Drivers of H3N2 Influenza Hospitalizations in Minnesota: 2012-2013
Amber Vu	<i>Microbiology and Immunology</i>	Extragenic Suppression of a Mutation in Herpes Simplex Virus Type-1 (HSV-1) that Affects Lamina Disruption and Nuclear Egress
Haydar Aljaafari	<i>Chemical and Biochemical Engineering</i>	Eradication of <i>Pseudomonas aeruginosa</i> Biofilm Formed Using Shaker Table and Drip Flow Reactor

What Water Carries**Old Capitol (347)**

Presenter	Department	Title
Enrico Bruno	<i>English</i>	Troubled Waters: Postplantation Tidalectics of Charles W. Chesnutt's Conjure Tales
Sanjaya Dilantha Jayalath Mudiyansele	<i>Chemistry</i>	Adsorption of Suwannee River Humic Acid on CuO Nanoparticles: Effects of Nanoparticle Size and Surface Functionality
William Marquardt	<i>Chemistry</i>	Ab Initio Investigation of Interfacial Water Restructuring on Mineral Surfaces

Oral Presentations, Session 3**3:30 – 4:30****History and Media****Herky Room (343)**

Presenter	Department	Title
Dana Spyrikados	<i>Classics</i>	Technical and Ethical Knowledge of Medicine in Achilles Tatius' Leucippe and Clitophon
Nicha Pimthong	<i>School of Music</i>	A Hidden Piano Repertory of Morton Gould: Blue and Gold, in relation to President Herbert Hoover
Laurel Carlson	<i>American Studies</i>	"A Gift to the Camera": Adapting Textuality in McEwan's Atonement
Haley Larson	<i>English</i>	Limning the Infrathin: Image Fracture and Mediating Texts

A Lifecycle of Social Development

47 Things Room (346)

Presenter	Department	Title
Kathryn Goffin	<i>Psychological and Brain Sciences</i>	A Unique Path to Callous-Unemotional Traits
Patrick Bigsby	<i>Journalism</i>	Bombardment (a memoir)
Elizabeth Watters	<i>Couple & Family Therapy</i>	The Associations between Shame, Intimacy, & Relationship Satisfaction
Caitlin Simmons	<i>English</i>	"Something of a Non-Person": Jim Loney's Static Victimry in James Welch's <i>The Death of Jim Loney</i>

Genes and Disease III

MGC Room (337)

Presenter	Department	Title
Johanna Uthoff	<i>Biomedical Engineering</i>	Computer-aided Diagnosis of Lung Cancer: A Mosaic of Tissue Imaging Characteristics
Ilya Gurevic	<i>Chemistry</i>	Behavior of a TSase Mutant Toward an Alternative Substrate
Melissa Marchal	<i>Biology-Genetics</i>	The Paradoxical Role of Abl Kinases in Metastatic Prostate Cancer

Polymers and Ionic Liquids

Old Capitol Room (347)

Presenter	Department	Title
Waruni Karunartne	<i>Chemistry</i>	Exploring the Interfacial Behavior of Ionic Liquids
Nicole Kloepfer	<i>Chemical and Biochemical Engineering</i>	Predicting Dose Rate Effects in EB Polymerizations Based on Monomer Structure
Thiranjeewa Lansakara	<i>Math, Physical, and Engineering Sciences</i>	Evaluating Mechanical Properties of Polymer Microgels by Using Atomic Force Microscopy (AFM)

Oral Presentations by Room

Room	Big 10 Theater (348)	Herky Room (343)	Homecoming Room (345)
Session 1:	Gender, Women's and Sexuality Studies I: Women Working for Social Justice	Digital Humanities	Global Language and Education
Session 2:	Gender, Women's and Sexuality Studies II: Meditations on Identity	Social Meanings of Place	Language: Rhetoric and Political Discourses
Session 3:		History and Media	
	47 Things Room (346)	MGC Room (337)	Old Capitol (347)
Session 1:	Human Capital	Genes and Disease I: Enzymes and Neurons	The Toxic Environment
Session 2:	Math and Optimization	Genes and Disease II: Microbial Infections	What Water Carries
Session 3:	A Lifecycle of Social Development	Genes and Disease III: Cancer Group	Polymers and Ionic Liquids

Special Panel: Community Engagement

4:30 – 5:00 PM – Divine Nine Room (335)

**Organized by Jessica Gregson
2018 Obermann Graduate Institute on Engagement and the Academy Fellows**

Panelists:

Aiden Bettine | *History*

Rebecca Dickinson | *Social Work*

Jessica Gregson | *Microbiology and Immunology*

Raquel Wood | *Language, Literacy & Culture*

Poster Presentations

1:30 – 3:30 PM – Main Lounge (1st Floor), IMU

Refreshments will be available in the Main Lounge during the poster sessions. We are pleased to welcome representatives from a variety of campus resources and offices as well as local community organizations interested in graduate student collaborations. All faculty, staff and student attendees are invited to stop by to ask questions or pick up information and enjoy the refreshments available. See supplemental insert for a full listing of the organizations attending.

Posters are listed alphabetically by Department.

Biological & Health Sciences

Presenter	Department	Title
Tanner Reeb	<i>Anatomy and Cell Biology</i>	ARHGAP29 Expression and Localization in Cutaneous Wound Healing
Jacob Schillo	<i>Anatomy and Cell Biology-Genetics Program</i>	Using Forward Genetic Screens to Discover Drivers of Cancer
Patrick Lansdon	<i>Anesthesia</i>	Gut Microbiota Influences the Severity of Neurological Phenotypes in Drosophila Voltage-Gated Sodium Channel Mutants
James Mrkvicka	<i>Anesthesia</i>	A Forward Genetic Screen to Identify Modifiers of Neurological Phenotypes in Drosophila Voltage-Gated Sodium Channel Mutants
Anh-Vu Do	<i>Chemical and Biochemical Engineering</i>	Combining Ultrasound and Intratumoral Administration of Doxorubicin-loaded Microparticles to Enhance Tumor Cell Killing
Megan Rossio	<i>Communication Sciences and Disorders</i>	Factors that Influence Hearing Preservation Behaviors in University of Iowa Students
Rory Vose	<i>Communication Sciences & Disorders</i>	'Say What?': Development of a Guide Promoting Healthy Hearing Habits for Grain and Livestock Producers.
Nazmin Eti	<i>Human Toxicology</i>	The Involvement of the Aryl Hydrocarbon Receptor in the Toxicity of Polychlorinated Biphenyls
Kyle Gonslaves	<i>Ophthalmology</i>	Role of Gap Junction in Trabecular Meshwork Cell Division

Wesley Goar	<i>Pediatrics, Ophthalmology & Visual Sciences</i>	Genetic Evaluation of a Large Israeli Family with Nephrotic Syndrome
Mohammed Albarki	<i>Pharmaceutics and Translational Therapeutics</i>	Preparation of Poly D, L Lactic Co-Glycolic Acid (PLGA) Nanoparticles and Evaluation of Uptake Pathways Across the Nasal Mucosa
Ammar Al Khafaji	<i>Pharmaceutics and Translational Therapeutics</i>	Synthesis, Characterization, and Uptake Studies on the Solid Lipid Nanoparticles by the Nasal Mucosa

Creative Works

Presenter	Department	Title
Carley Cullen	<i>School of Art & Art History; Media, Social Practice and Design</i>	sorry

Mathematical, Physical, & Engineering Sciences

Presenter	Department	Title
Javier Flores	<i>Biostatistics</i>	A Bayesian Model Selection Approach to Multiple Comparisons
Megan Christiansen	<i>Chemical and Biochemical Engineering</i>	What Can Be Learned from Rapid Particle Measurements During the Lake Michigan Ozone Study 2017 (LMOS 2017)
Brittany Givens	<i>Chemical and Biochemical Engineering</i>	Characterizing Toxicity for Industrial Engineered Nanomaterials
Dagen Hughes	<i>Chemistry</i>	Chemical Composition of PM2.5 in Zion, IL, During the 2017 Lake Michigan Ozone Study (LMOS)
Suparno Nandi	<i>Chemistry</i>	Biochemical and Structural Investigation of the Dynamic Regulation Mechanism of Pyruvate Kinase M2 by Amino Acids
Yusuf Sermet	<i>Electrical and Computer Engineering</i>	Knowledge Discovery, Integration and Communication for Extreme Weather and Flood Resilience Using Artificial Intelligence: Flood AI Alpha

Social Sciences & Education

Presenter	Department	Title
Eddie Scott	<i>Psychological and Quantitative Foundations</i>	Parenting Practices of Adults Formerly Diagnosed with ADHD and Their Off-Springs' Outcomes
Krista Walker	<i>Education Policy and Leadership Studies</i>	Black Male Educators: The Before and Alternative Aftermath of Brown
Shu Wan	<i>History</i>	Disability and Chinese Exclusion in Late Nineteenth-Century California

Reception

5 PM Doors open, IMU Ballroom
Food and drinks available

5:30 PM Program beings
Opening Statements

Keynote Speech:

“The Mosaic Metaphor of Collaborations”

by Dr. Jeffrey D. Dawson

6:00 PM Awards

Graduate College Awards (Dean Keller)
Jakobsen Awards (GSS)

6:45 PM Closing Statements

Competitors must be present
at the reception to win prize money.