



The University of
Montana

Graduate Student and Faculty Research Conference

University Center
The University of Montana
April 11, 2009

Sponsored by the Office of the Provost and the Office
of the VP for Research and Development

Conference Schedule

8:30 - 9:00 Registration, Coffee Meeting Room Foyer

9:00 - 9:10 Welcoming Remarks Meeting Room Foyer
Provost Royce Engstrom

9:10 - 10:30 Session 1

Session 1A UC 330

Chair: Clary Loisel (Modern & Classical Languages and Literatures)

- 9:15 Noah Baker (Psychology)
“Test Model of Psychological Variables Predicting Willingness to Engage in Mindfulness-Based Treatments for Anxiety in a Hypothetical Setting: What Influences Treatment Choice?”
- 9:40 Rebecca LeBlond (Intercultural Youth and Family Development)
“The Harmful Effects of Traditional Practices on Girls and Young Women in Niger”
- 10:05 Clary Loisel (Modern & Classical Languages & Literatures)
“What is Feminism (and why do we have to talk about it so much)?”

Session 1B UC 331

Chair: Helen Naughton (Economics)

- 9:15 Martin Byrne (Geography)
“Glacier Monitoring in Ladakh and Zaskar, Northwestern India”
- 9:40 Jessica Zephyrs (English Literature)
“A Rebirth of Ruth in Marilynne Robinson's *Housekeeping*”
- 10:05 Shawn Bailey (History)
Colonization of the Crown: Hunting, Class, and the Creation of Glacier National Park, 1885-1915

Session 1C**UC 332**

Chair: Christiane von Reichert (Geography)

- 9:15 Joel Brown (Geography)
“Perceived Effectiveness of Compact Negotiations for
Federal Reserved Water Rights Dispute Resolution”
- 9:40 Jan Armstrong (Environmental Studies)
“Understanding Access Barriers to Local Food Among
Missoula SNAP Participants”
- 10:05 Jessie Reynolds (Geography)
“Farmers’ Perceptions and Reactions to Changes in
Grain Elevator Size and Locations in Central Montana”

Session 1D**UC 333**

Chair: Charles Exley (Modern & Classical Languages & Literatures)

- 9:15 Bret Linford (Modern & Classical Languages & Literatures)
“Yo hablo español vs. Hablo español: Subject Pronoun
Distribution in Second Language Spanish”
- 9:40 Hanson Nyantakyi-Frimpong (Geography)
“Bicyclists and Pedestrians Safety on the University of
Montana-Missoula Campus”
- 10:05 Gustavo Guajardo (Linguistics)
“The Spanish Subjunctive: A case of Language
Change in Progress”

Session 1E**UC 326**

Chair: Solomon Harrar (Mathematical Sciences)

- 9:15 Marley McKenna (English)
“The Boundlessness of Rootedness: A Reinvention
of I to i”
- 9:40 Lorianne Burhop (Sociology)
“Math Ability and Gendered Self-Perceptions: Changes
over Time and the Role of Ethnicity”
- 10:05 Marylesa Wilde (Mathematical Sciences)
“Math IS Useful: Supervised Classification of Remote
Sensing Data”

10:40 - 12:00 Session 2

Session 2A

UC 330

Chair: Helen Naughton (Economics)

- 10:45 Tom Simones (Biomedical & Pharmaceutical Sciences)
“Deriving Murine Steady-State Dendritic Cells in the Presence of Dioxin Produces Modulatory Dendritic Cells”
- 11:10 Daniel Dewey (Psychology)
“Expanding PTSD's Criterion A2 “
- 11:35 Keegan Flaherty (Social Work)
“Burns Street Square Survey”

Session 2B

UC 331

Chair: Naomi Lapidus Shin (Modern & Classical Languages & Literatures)

- 10:45 Naomi Lapidus Shin (Modern & Classical Languages & Literatures)
“Adaptive Forces Guiding Contact-Induced Change in the Spanish of the US”
- 11:10 Matt Henry (English)
“National Alternatives: Joyce, Rushdie, and Postmodern Identity Politics”
- 11:35 Jeffrey Gutierrez (Sociology)
“Rural Farmers and Coffee Cooperatives in Nicaragua: Using Niche Markets to Subsist in the Global Coffee Industry”

Session 2C

UC 332

Chair: Christiane von Reichert (Geography)

- 10:45 Lise Lalonde (English)
“The Modern Poet-Translator”
- 11:10 Ian Stacy (History)
“Sowing the Seeds of Change: Land Use and Demography in Adams County, Washington, 1930 to 2002”
- 11:35 Marea Johnson (Sociology)
“Cooperative Rural Development: A Case Study”

Session 2D**UC 333**

Chair: Blakely Brown (Health and Human Performance)

- 10:45 Jacob Petersen-Perlman (Geography)
"Assessment of Municipal Water Rights in the Upper Clark Fork River Basin"
- 11:10 Samantha Dwyer (English)
"The Presence of Absence in a Globalized World: William Gibson's Pattern Recognition Clings to the Unknown"
- 11:35 Aaron Augsburger, Eleanor Godfrey, Rebecca Pettit, and Thomas Yerden (Political Science)
"A Comparative Study of Globalization's Political, Economic, and Social Dimensions"

Session 2E**UC 326**

Chair: Solomon Harrar (Mathematical Sciences)

- 10:45 Meghan Lewis (English Literature)
"Commodification Harms Men, Too: A Discussion of Luce Irigaray's *Women on the Market*"
- 11:10 Carly Elmgren (Modern and Classical Languages and Literatures)
"Queering Machismo: Representation of Mexican Feminism and Lesbianism in Rosamaria Roffiel's *Amora*"
- 11:35 Susan Craun (Anthropology)
"A Case Of Historical Forensics: The Identification of Rattlesnake Jake"

Session 2F**UC 327**

Chair: TBA

- 10:45 July Cole (Environmental Studies)
"Decolonizing Environmental Restoration: Theory, Practice, and Tribal Sovereignty"
- 11:10 Ryan Denzer-King and Miranda McCarvel (Linguistics)
"Creating Online Blackfoot Language Materials"

12:00-2:00 Luncheon Banquet & Roundtable Discussion

UC Copper Commons (2nd Floor)

Remarks:

Roundtable Discussion: “From Sustainability to Restoration:
A Multi-Disciplinary Discussion“

Moderator: Hiltrud Arens (Modern and Classical Languages
and Literatures)

Panelists:

John Maron (Division of Biological Sciences)
Neva Hassanein (Environmental Studies)
Nancy Cook (English Literature)
S. Neyooxet Greymorning (Anthropology/Native
American Studies)

2:00 - 3:20 Session 3

Session 3A

UC 330

Chair: Leora Bar-el (Anthropology, Linguistics)

- 2:05 Jenna Benson (Biomedical & Pharmaceutical Sciences)
“Echinacea Purpurea Extracts Differentially Modulate
the Development and Function of Murine Dendritic
Cells”
- 2:30 David Hooper (Anthropology)
“An Exploration of the Relationship Between the
Nisqually Tribe and the Plants of Mount Rainier”
- 2:55 Becky Wood (Anthropology)
“Language and Cultural Ideologies Among College
Students”

Session 3B

UC 331

Chair: Erica Woodahl (Biomedical and Pharmaceutical Sciences)

- 2:05 Megan Bergauff (Chemistry)
“The Effect of a Wood Stove Changeout on Ambient
and Indoor Levels of Particulate Matter and Chemical
Tracers for Wood Smoke in Libby, MT”

- 2:30 Emily Buck (Social Work)
"The Relationship of Secondary Traumatic Stress,
Compassion Fatigue, and Burnout to Peer Support in
Licensed Clinical Social Workers in Montana"
- 2:55 John Goldes (Mathematical Sciences)
"Regularization Parameter Selection for Ill-Posed
Poisson Likelihood Estimation"

Session 3C

UC 332

Chair: Christopher Muste (Political Science)

- 2:05 Christiana Ricci (Health and Human Performance)
"Survey Development to Assess Adult Knowledge and
Support of American Indian Youth Nutrition and
Activity"
- 2:30 Larry Dent (Pharmacy Practice)
"A Randomized Trial Assessing the Effectiveness of a
Pharmacist-Delivered Program for Smoking Cessation"
- 2:55 Genevieve Giroux (Modern and Classical Languages
and Literatures)
"Femme et Folie dans le roman Nadja // Woman and
Madness in Nadja"

Session 3D

UC 333

Chair: Brady Harrison (English)

- 2:05 A.J. Jackson (English)
"The Meaning of Pain in Cormac McCarthy's Border
Trilogy"
- 2:30 Ashley Williams (Geography)
"Local knowledge of Water Quality and Waterborne
Disease along the Niger River, Mali"
- 2:55 Hillary Parsons (Anthropology)
"The Postmortem Interval: a Systematic Study of
Decomposition in West Central Montana"

Session 3E

UC 326

Chair: Mladen Kozul (Modern & Classical Languages & Literatures)

- 2:05 Shandy Lemperle (Modern and Classical Languages
and Literatures)

- “Beyond Female Angst: A Critical Look at Violence and Subversion in Virginie Despentes’ Baise-moi”
- 2:30 Derek Kanwischer (Environmental Studies)
“UM FLAT: The UM Forum for Living with Appropriate Technology”
- 2:55 Douglas Miller (Management)
“Revisiting the Gap: A Review of the ‘Effectiveness’ Movement, Social Networks, and the Absence of Theory in Practitioner Focused Literature “

3:30 - 4:50 Session 4

Session 4A

UC 330

Chair: Ione Crummy (Modern & Classical Languages & Literatures)

- 3:35 Ryan Denzer-King (Linguistics)
“Blackfoot Syllable Structure”
- 4:00 Kyndra Meusel (English)
“Identity and Re-Memory: Toni Morrison's Beloved in Light of Race and Identity Theory”
- 4:25 Erica Bloom (Environmental Studies)
“Safe and Effective Cleaning Products at the University of Montana: Establishing a Base for Institutional Change”

Session 4B

UC 331

Chair: Erica Woodahl (Biomedical and Pharmaceutical Sciences)

- 3:35 Scott Sterling (Linguistics)
“The Role of Universal Grammar in Second Language Acquisition”
- 4:00 Laura Becerra (Environmental Studies)
“Prospects for Environmentally and Socially Beneficial Tourism in Caleta Tortel, Chile”
- 4:25 July Cole (English)
“Latent Destiny, Manifest Reversal: Journals of the Clovis & Larch Expedition”

Session 4C**UC 332**

Chair: Christopher Muste (Political Science)

- 3:35 Jennifer Elliott (Health and Human Performance)
“An Assessment of the Retail Food Environment,
Access to Food, and Food Security in Missoula,
Montana in Relation to the Socioeconomic and Health
Status of its Residents “
- 4:00 Jiang Song Gong (Linguistics)
“View of Chinese Classifiers through the Metaphorical
Function”
- 4:25 Bill Novak (Political Science)
“It’s About Time: Democratic Consolidation in
Paraguay and Bolivia”

Session 4D**UC 333**

Chair: Marton Marko (Modern & Classical Languages & Literatures)

- 3:35 Casey Ruggiero (Psychology)
“Explanatory Models of Depression: Influences on Self
-Efficacy, Self-Stigma, Causal Beliefs & Treatment
Preference”
- 4:00 Cassie Hemphill (Society and Conservation)
“Putting Sustainability on the Table with Café Methods”
- 4:25 Katie Hoffman (Biomedical & Pharmaceutical Sciences)
“Role of Excitatory Amino Acid Transporter 3 (EAAT3)
in Learning and Memory”

Session 4E**UC 326**

Chair: Mladen Kozul (Modern & Classical Languages & Literatures)

- 3:35 Tom Seiler (English Literature)
“Ape Misbehavin’: The Simian Rampant in Nabokov
and Poe”
- 4:00 Holly Schleicher (Psychology)
“Randomized Clinical Trial of a Mood Management
Intervention for Depressed College Smokers”
- 4:25 Hayley Allen (Social Work)
“The Development of a Unified Drug Court System in a
Rural Western State”

3:30 - 6:00 Poster Session

South Ballroom

(Number refers to location on the poster board)

Peter McCauley (Individualized Interdisciplinary Program) (1)
“Cognitive Performance Predictions from a New
Biomathematical Model of Sleep/Wake Homeostasis”

Ellery Lungmus (Anthropology) (2)
“A Preliminary Report on a Gulf Coast Florida Shell Midden
Excavation”

Haley Trontel (Psychology) (3)
“Face Validity of Effort Tests: Early vs. Late Warning About
the Presence of Effort Tests”

Sarah Lacher (Toxicology) (4)
“Murine Pulmonary Inflammation Model: A Comparative Study
of Anesthesia and Instillation Methods”

Christopher Bushard (Psychology) (5)
“Judgments of Responsibility Toward Victims of Bullying:
Measuring Attitudes by Participant Role”

Meghan Gallagher (Social Work) (6)
“Assessing Factors Associated with the Use of Residential
Treatment Facilities for Juveniles on Probation in Montana,
Fiscal Year 2007”

Geniel Armstrong (Psychology) (7)
“The Effects of Children on Trauma Severity in Women
Experiencing Intimate Partner Violence”

Desleigh Gilbert (Psychology) (8)
“Mindfulness & Health Behaviors”

Sarah Braafladt (Counselor Education) (9)
“The Efficacy of Wilderness Therapy and Implications for
Culturally and Racially Diverse Adolescent Clients”

- Mary Buford (Geography) (10)
"The Economic and Demographic Changes in Flathead County, Montana between 1980 and 2006"
- Daniel Yochim (Geography) (11)
"What is Killing Us? A Descriptive Analysis of Age-Adjusted Mortality in Missoula County Montana from 1937 to 2007"
- Varadharajan Kailasam (Chemistry) (12)
"Arsenic and Selenium Recovery from Aqueous Systems using Nano-porous Silica Polyamine Composites"
- Maria Malagisi (Intercultural Youth & Family Development) (13)
"A Proposal Addressing the Issue of Sexual Exploitation of Children in Southeast Asia, with a Focus on Cambodia, Thailand and Vietnam"
- Elisabeth Stoeckel (Social Work) (14)
"International Experience and Sociopolitical Action: Developing a Theory of Change"
- Zach Seligman (Geography) (15)
"Rock Glacier Distribution, Movement and Paleoclimatic Implications in the Absaroka and Beartooth Mountain Ranges, MT, USA"
- Greg Aerni (Geography) (16)
"Mingo County, West Virginia and McKenzie County, North Dakota: Contrasting Styles of Rural Communities"
- Sunyoung Park (Biomedical & Pharmaceutical Sciences) (17)
"Low Level Pb Exposure Results in Alterations in the Serotonergic System in the Developing Murine Auditory Brainstem and Inferior Colliculus"
- Shane Thurlo (Geography) (18)
"Watershed Reliability and the Transformation of Agrarian Societies in Ladakh, India"
- Kathleen Frank (Health and Human Performance) (19)
"Changes in Physiologic and Anthropometric Parameters During a Junior A Ice Hockey Season"

- Alana White (Biomedical & Pharmaceutical Sciences) (20)
“Electrophysiological Detection of P-glycoprotein Transport”
- Megan Rosenblatt (Geosciences) (21)
“Newly Discovered Upper Triassic Corals from Oregon”
- Aram Rosenberg (Intercultural Youth & Family Development) (22)
“Youth Sex and Health Issues in Latin America”
- Theresa Dahl (Ecosystem and Conservation Sciences) (23)
“Investigating the Role of Fungal Nutrient Utilization in a Bark Beetle-Fungus Mutualism”
- Lillian Latshaw (Counselor Education) (24)
“Psychoeducational Curriculum for Students in In-School Suspension Program”
- Paula Specht (Physical Anthropology) (25)
“Mystery Burial Found on Cherry Street”
- Ben Weiss (Geography) (26)
“Modeling Bicycle Commutes in Missoula, MT”
- Ryan Arthun (Geography) (27)
“Communities by the Lake: Economic and Demographic Restructuring in Mobridge, South Dakota and Ogallala, Nebraska”
- Jesse Allen (Chemistry) (28)
“Surface Effects on Silica Polyamine Composites”
- Ayesha Sharmin (Chemistry & Biochemistry) (29)
“Photophysical Properties of Novel Ruthenium Metal-Ligand Complexes Incorporated in Lipid Membrane Bilayers”

**5:00 - 6:30 Reception (no-host bar)
and Awards Ceremony**

South Ballroom

Remarks: Perry Brown, Vice Provost for Graduate Studies

DRAFT!!!!

The Conference Organizing Committee wishes to extend thanks to the many people who helped to make the conference a success this year! Thanks to:

our sponsors: the Office of the Provost and the Office of Research and Development who have provided significant financial support,

the student and faculty participants who have shared their research,

the many faculty and alumni who have served as session chairs and judges,

Provost Royce Engstrom for his opening remarks and longtime support of the conference,

the panel participants: John Maron, Neva Hassanein, Nancy Cook, and S. Neyooxet Greymorning,

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all those who helped advertise this event,

our student workers,

the faculty advisors who have mentored student research and encouraged student participation in the conference,

and those who attended the conference.

Thanks to all for the help and support,
The Conference Organizing Committee
Earle Adams (Chemistry), Hiltrud Arens (MCLL), Jill Bergman (English), Kathy Butler (Psychology/GSA), Duncan Campbell (Psychology), Min Chen (Computer Science), Casey Davis (Psychology/GSA), Kari Harris (Public Health), Curtis Noonan (College of Health Professions and Biomedical Sciences), Frank Rosenzweig (Division of Biological Sciences)

