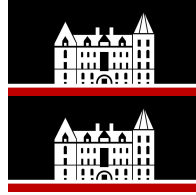
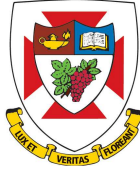


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### Special Thanks:

#### Judges:

**Dr. Charles Wong** - *Canada Research Chair in Environmental Toxicology*  
**Dr. Evelyn Peters**—*Canada Research Chair in Inner-City Issues, Community Learning and Engagement*  
**Dr. Melanie O’Gorman**—*Senate Representative on the Graduate Studies Committee, Economics Department*  
**Dr. Jacques Tardif** - *Canada Research Chair in Dendrochronology*

#### Keynote Speaker:

**Dr. John Corlett**—*Vice-President (Academic)*

#### Opening Greetings:

**Dr. Neil Besner** - *Vice-President (Research and International)*

#### Prize Presentation:

**Dr. Sandra Kirby** - *Associate Vice-President (Academic) and Dean of Graduate Studies*

#### Moderators:

<b>Dr. Jules Carlson</b>	<b>Justin Girard</b>
<b>Jessica Jacobson</b>	<b>Kendra Magnusson</b>

#### Catering:

Diversity Foods & The University of Winnipeg Faculty & Staff Club

**Thank you to all participants and guests, we look forward to seeing you again next year!**

# The University of Winnipeg’s Third Annual Graduate Students Research Colloquium

**April 7, 2011: 3D01 & 3D04**

For any questions about this event, please contact Deanna England, Graduate Studies Officer at 204-786-9093 or [d.England@uwinnipeg.ca](mailto:d.England@uwinnipeg.ca)

## Schedule of Events:

**8:00AM– 8:45 AM: Registration & Coffee**

**8:45 AM: Opening Greetings—Dr. Neil Besner**

**9:00 AM – 12:15 AM: Oral Presentations**

**10:15 PM – 10:35 AM: Poster Presentations**

**12:30– 2:00 PM: Lunch**

**2:00PM: Keynote Speaker— Dr. John Corlett**

**“Never Wear A Ball Cap Backwards: The Job Interview.”**

**2:30 PM: Prize Presentation—Dr. Sandra Kirby**

**2:45—4:00 PM: Reception**

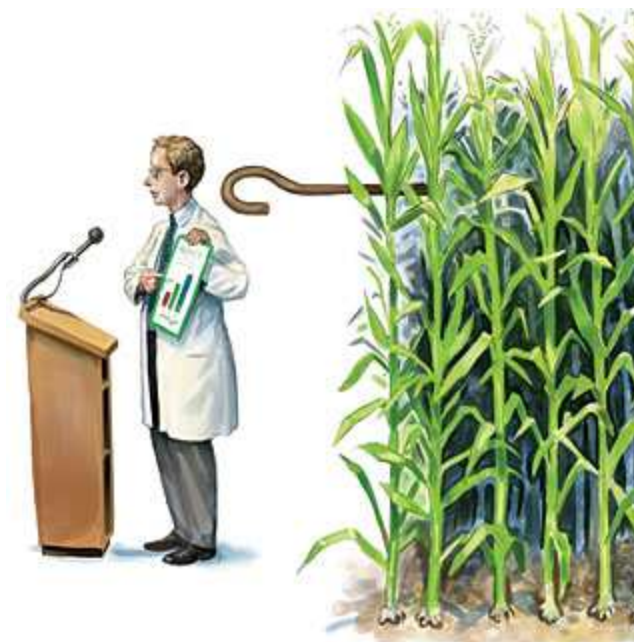
### Oral Presentations:

Time	Name	Room
9:00 – 9:25	Amalia Slobogian	3D01
9:00 – 9:25	Adriana Suarez	3D04
9:25 – 9:50	Jian Ren	3D01
9:25 – 9:50	Maria Oliveira	3D04
9:50 – 10:15	Joelyn Sakal Froese	3D01
9:50 – 10:15	Felix Martinez	3D04
10:35 – 11:00	Kaleigh Norquay	3D01
10:35 – 11:00	Terri Houdayer	3D04
11:00 – 11:25	Patricia Anzini da Costa	3D01
11:00 – 11:25	Scott Finn	3D04
11:25 – 11:50	Khaled Amriki	3D01
11:25 – 11:50	Nyala Ali	3D04
11:50 – 12:15	Nicole Necsefor	3D01
11:50 – 12:15	Kristian Klippenstein	3D04

### Poster Presentations:

Name	Times
Melanie Unrau	10:15 – 10:35 & 12:15 – 12:30
Angela Sylvester	10:15 – 10:35 & 12:15 – 12:30
Tahani Waheeb Baakdhah	10:15 – 10:35 & 12:15 – 12:30
Narayana Alves	10:15 – 10:35 & 12:15 – 12:30
Karine Grotte	10:15 – 10:35 & 12:15 – 12:30

Karine Luise Grotte—*BioScience, Technology and Public Policy Program*: **Gap Characteristics in the Mixedwood Boreal Forests of the Duck Mountain Provincial Forest, Manitoba.** Gap dynamics are small scale forest disturbances caused by the death of a small number of trees. Recent research has indicated that gap dynamics in the boreal forest are more common than previously assumed. The goal of this research was to document gap characteristics and regime in the mixedwood boreal forest of Duck Mountain Provincial Forest (DMPF) in Manitoba. Transects were sampled to estimate the percent of the forest in gaps. In a sub-sample of gaps tree regeneration and shrub abundance were examined. Preliminary results indicated that the mean expanded gap fraction ranged from 45-70 %. Gaps ranged from 8-1375 m<sup>2</sup> in size and the median gap size ranged from 65-108 m<sup>2</sup>. The gap fractions found were comparable to those in other regions of the boreal forest. This study will reveal how important forest gaps are in the DMPF and provide information to inform management decisions.



Tahani Waheeb Baakdhah—*BioScience, Technology and Public Policy Program: Cis-Regulatory divergence and expression of RyR paralogues in medaka.* Ryanodine receptors (RyRs) are large homotetrameric proteins with a total molecular mass of approximately 2.2 – 2.3 million Daltons in human. RyR channels play a central role in excitation-contraction (E-C) coupling process by mediating  $Ca^{2+}$  release from the sarcoplasmic reticulum (SR). While mammals encode three RyR genes, RyR1, RyR2, and RyR3 fish have duplicated genes e.g. RyR1a and RyR1b that are expressed in a tissue-specific manner. Gene duplication is integral to evolution, providing novel opportunities for organisms to diversify in function. Duplicated genes often display marked divergence in regulatory domains, termed cis-regulatory divergence, which may be found upstream of the gene or within the introns. I am employing bioinformatic methodologies to search for non-coding cis-regulatory elements conservation between RyR1 and RyR3 paralogues in medaka and other model fish including fugu and zebrafish. I am also experimentally determining the expression profile for RyR1 and RyR3 paralogues in adult and embryonic medaka tissues.

Narayana Anunciato Alves—*English with a Focus in Cultural Studies Program: Association and Memory in The Moons of Jupiter, by Alice Munro.* This work aims to demonstrate that the unifying point of the short stories “Chaddeleys and Flemings” and “The Moons of Jupiter”, from the volume *The Moons of Jupiter*, by Alice Munro, are the associations made through the employment of the memory that favors the return to the past, to childhood and facts related to family life. With the purpose of demonstrating the narrative strategies of the Canadian author, the memory is studied through Freudian studies, therefore, as the unconscious clockwork. The relevance of this work relies on the little visibility Alice Munro has among Brazilian readers, even though some of her books have already been translated to Portuguese and a few scholars have written essays about her short stories.



## Oral Presentation Abstracts:

9:00 AM (3D01) Amalia Slobogian—*English with a Focus in Cultural Studies Program: Ambiguous Love and Resistant Reading in Love’s Labour’s Lost.* *Love’s Labour’s Lost* opens with a comic yet brutal attempt at female containment. As the King of Navarre and his three male comrades commit themselves to three years of contemplative learned life. In so doing, they renounce the company of women and forbid any female from coming within a mile of the court “on pain of losing her tongue.” However, a woman soon arrives who challenges their dominion of power. Besieging the court, the Princess of France provides persistent opposition to the troubling current of misogyny which underlies the play. For despite its claims to “pleasant comedy” and courtly romance, there is something ambivalent and subversive in the play’s exploration of interactions between men and women. Love does not ultimately prevail; rather, the necessity of men and women to one another is left oddly uncertain while the authority of texts and the primacy of marriage are also called into question.


9:00 AM (3D04) Adriana Suarez—*Bioscience, Technology and Public Policy Program: Genetic consequences of forest fragmentation in chokecherry (Prunus virginiana, L.)* Extensive anthropogenic use of resources has reduced extant forests into small fragments. Under population genetics theory, populations in fragmented habitats are expected to experience a disruption of the gene flow which will lead to loss of genetic diversity and increase of genetic structure. In this research I examined the genetic diversity, mating system and pollen dispersal in two fragments of forest and a continuous population, to assess the genetic consequences of forest fragmentation on *Prunus virginiana*. I did not find either reduction of genetic diversity or genetic structure among populations, which is explained by the long distance pollen dispersal and a predominantly outcrossing mating system. However, I did find an increase in mating among relatives in one of the fragments suggesting that fragmentation is affecting mating dynamics. These results are further support from previous analyses on the ecological effects of fragmentation in these populations.

**Seminar BINGO!**

To play, simply print out this bingo sheet and attend a departmental seminar.

Mark over each square that occurs throughout the course of the lecture.

The first one to form a straight line (or all four corners) must yell out **BINGO!!** to win!



SEMINAR BINGO				
Speaker bashes previous work	Repeated use of "um..."	Speaker sucks up to host professor	Host Professor falls asleep	Speaker wastes 5 minutes explaining outline
Laptop malfunction	Work ties in to Cancer/HIV or War on Terror	"...et al."	You're the only one in your lab that bothered to show up	Blatant typo
Entire slide filled with equations	"The data clearly shows..."	<b>FREE</b> Speaker runs out of time	Use of Powerpoint template with blue background	References Advisor (past or present)
There's a Grad Student wearing same clothes as yesterday	Bitter Post-doc asks question	"That's an interesting question"	"Beyond the scope of this work"	Master's student bobs head fighting sleep
Speaker forgets to thank collaborators	Cell phone goes off	You've no idea what's going on	"Future work will..."	Results conveniently show improvement

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## Poster Abstracts: (10:15 & 12:15)

9:25 AM (3D01) Jian Ren—*Applied Computer Science & Society Program*: **Legendre Moment Based Image Reconstruction and Image Watermarking.** Research has been performed to explore the utilization of moments in the field of image analysis. However, for Legendre moments, due to their high computation complexity, the related studies, especially on the applications, are relatively limited. To date, only manipulation on small imagery with inferior quality is achievable. In this thesis, new techniques that can accurately and efficiently generate Legendre moments are discussed. A complete algorithm is also proposed. Experiments show that it dramatically decreases the computation time, making Legendre moments-based image reconstruction not only becomes reality, but also produces good results. Moreover, two distinct watermarking systems are designed and examined. Their outcomes further verify the power of the new algorithm.

9:25 AM (3D04) Maria Aparecida de Oliveira—*English with a Focus in Cultural Studies Program*: **A theory of their own and a process of her own.** This paper aims to discuss Elaine Showalter's criticism on Virginia Woolf's *A room of one's own* and *Three Guineas*. She criticizes Woolf's project of androgyny, which she defines as the balance and command of emotional range that includes male and female elements. For Showalter, Woolf's main sin against feminism is that she wants to transcend the feminist conflict, instead of experiencing it. The idea is to establish a dialogue between Showalter's criticism and Toril Moi's response to it on her text "Recuperacion de Woolf para la politica feminista: aspectos de una lectura alternativa". After presenting this controversial dialogue, the aim is to analyze Woolf's ambiguous androgyny project present in *To the lighthouse*.

9:50 AM (3D01) Jocelyn Sakal Froese—*English with a Focus in Cultural Studies Program*: **Coming of age Graphically: Queer Spaces and Queering Space.** I will examine the unique combination of images and text that occur in forms of graphic and visual narrative and the manner in which these come together to produce meaning. I will consider the development of visual language through comic books, the function of language and meaning making in Mariko and Jillian Tamaki's *Skim*, and said characteristics across the graphic novel and film versions of the recently text *Scott Pilgrim vs The World*. There are many resources available on the structure, and ideological function of the comic book and visual narrative language. However, research specifically focused on graphic novels tends to focus on the usefulness of the form in the classroom. This paper will combine established narratives and theories for the purpose of exploring the graphic coming of age narrative in relation to queerness and queer identity.

Melanie Dennis Unrau—*English with a Focus in Cultural Studies Program*: **Happiness Threads: 'Hap'py Posts from an Online Mom.** In this series of poems, i use the language of an online natural-parenting forum to explore the themes of motherhood, technology, identity, and creativity. A physical and affective experience of mothering young children is evoked through simple language and storytelling, but the abbreviated forms and insider terms that mimic online conversations between mothers can be both alienating and revealing for readers from outside the online mothering community. These poems blend the forms of creative, academic, and autobiographical writing and draw on feminist maternal theory, affect theory, cyberfeminism, and feminist psychoanalysis, especially Sara Ahmed's *The Promise of Happiness*, Rozsika Parker's *Torn in Two: The Experience of Maternal Ambivalence*, and Susan Rubin Suleiman's *Risking Who One Is: Encounters with Contemporary Art and Literature*, to represent the online, physical, and emotional lives of a mother as both resistant and complicit in patriarchal and heteronormative discourses of motherhood and the family.

Angela Sylvester—*English with a Focus in Cultural Studies Program*: **"A Hero has to Come and Conquer Them": Fear of Teen Female Sexuality in Mitchell Lichtenstein's *Teeth*.** Mitchell Lichtenstein's *Teeth* is, on one hand, a subversive film about female sexual empowerment. While this is a convincing reading, the film *also* reveals and examines the conventional societal fear of teen female sexuality. Dawn O'Keefe, the film's protagonist who harbours a toothed vagina, is first presented as wide-eyed, innocent, and virginal. However, threats to her adolescent state of pseudo-innocence force her to abandon this (personally and societally) revered state and become a frightening *femme fatale* who endangers the idealized stereotype of the passive, innocent adolescent female. Dawn's sexuality—or, more specifically, her vagina—is at first concealed and protected. When her sexuality is threatened, however, Dawn learns to embrace and use her vagina to combat patriarchal forces which simultaneously prize and seek to defile her apparent innocence. *Teeth* is arguably a social commentary on the precarious and fearsome nature of the discovery, exploration and acceptance of teenage female sexuality.



That's amazing! I'm working on race, class, and gender myself.

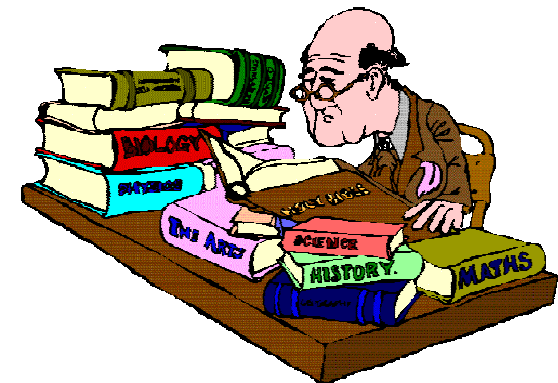
11:25 AM (3D04) Nyala Ali—*English with a Focus in Cultural Studies Program*: **All The Young Dudes (Or Just Some Of Them?): Music & Gender Identity in Rob Sheffield's "Talking to Girls About Duran Duran."** Drawing on Judith Butler's 1989 article "Imitation and Gender Insubordination" and Rolling Stone writer Rob Sheffield's 2010 memoir, *Talking to Girls About Duran Duran*, this paper deals with the gendering of popular music and its impact on young men whose emerging identities are strongly tied to and influenced by music culture. In his memoir, Sheffield uses rock music as a lens for his own coming-of-age story, in which he identifies with male recording artists (such as David Bowie, Mick Jagger, Morrissey, and Boy George) who operate within the gender imaginary, transgendered, and queer work of rock. Engaging with both music and memory, Sheffield explores the implications of the transgressive masculinity made possible by his musical heroes, who employ the types of gender cross-categorization Butler discusses. Consequently, this paper points to the inherent instability of oppressive gender-based identity categories, and the ways in which they can be challenged through popular culture.

11:50 AM (3D01) Nicole Necsefor—*English with a Focus in Cultural Studies Program*: Nicole Necsefor will be presenting a research paper entitled "**Exploring the Gendered Cultural Construct of the Affluent American Adolescent in *Cruel Intentions*."** Although the dominant narrative of film ultimately reiterates popular media stereotypes of adolescents by representing its teenage protagonists as self-absorbed, detached and dangerous, she will argue that there are subversive elements present within the filmic narrative with regard to its complex representations of the cultural construct of the female adolescent. She contends that the female characters, Kathryn Merteuil and Annette Hargrove, both lend themselves to a feminist reading that gestures toward important moments of resistance to and manipulation of oppressive patriarchal constructs of ideal femininity and female sexuality.

11:50 AM (3D04): Kristian Klippenstein—*Master of Arts in Theology Program*: **The Impact of Jim Jones's Understanding of Jesus as Messiah on Peoples Temple.** Peoples Temple, a twentieth century American new religious movement led by Jim Jones, engaged in a complex relationship with Christianity during its twenty-five year existence. The thesis whose research data is to be presented suggested that Jones's unique interpretation of the nature and presence of Jesus as a messianic figure in the New Testament had a formative effect on his own self-understanding, the doctrine he preached and the character of Peoples Temple. The research material to be presented pertains to three aspects of this thesis: (1) Jones's interpretation of Jesus as an eschatological and messianic figure; (2) the impact of these interpretations on Jones's preaching concerning the concept of family; (3) the impact of these interpretations on the Temple community's character.

9:50 AM (3D04) Felix Martinez-Nuñez —*BioScience, Technology & Public Policy Program*: **Influences of population genetic structure on social networks and clustering behaviour in *Myotis lucifugus* (Little brown bats).** Anthropogenic activities causing habitat loss and fragmentation are constantly threatening our ecosystem and increasing the number of endangered species. Thus, conservation strategies are necessary and require an understanding of population structure and dynamics to develop them. Recent application of high-resolution molecular genetics and mark-recapture data has provided valuable information about genetic structure, dispersal and social dynamics. Understanding patterns of social interactions in North American bats has become especially urgent given the spread of white-nose syndrome (WNS) which is decimating populations in eastern North America. In addition to dealing a blow to biodiversity, losing insect-eating bats could trigger explosive increases in insect populations, with serious repercussions for agriculture, forestry and even human health. This project aims to identify factors influencing bats social and population genetic structure but also has urgent applied significance because it will help improve our ability to predict the rate and magnitude of the spread of WNS.

10:35 AM (3D01) Kaleigh Norquay—*BioScience, Technology & Public Policy Program*: **Survival estimates for pre-WNS little brown bats (*Myotis lucifugus*) from Manitoba and Northwestern Ontario .** K.J.O Norquay, <sup>1</sup>J.E. Dubois and C.K.R. Willis, University of Winnipeg, Winnipeg, MB, Canada, <sup>1</sup>Manitoba Conservation, Winnipeg MB, Canada Basic information on the survival of North American hibernating bats has become vital since the emergence of white nose syndrome (WNS). This knowledge will be important for precisely quantifying between-population variation in mortality, and identifying which sites will be at greatest risk. We report on results of a mark-recapture analysis quantifying over-winter survival in little brown bats across Manitoba and south-western Ontario. We banded approximately 8000 bats at hibernacula between 1989 and 2010 and recaptured over 1350 allowing us to examine factors, including sex and hibernacula site influencing annual survival. These data will improve our understanding of factors influencing survival in bats and will provide an important baseline for comparison to survival rates after the arrival of WNS.

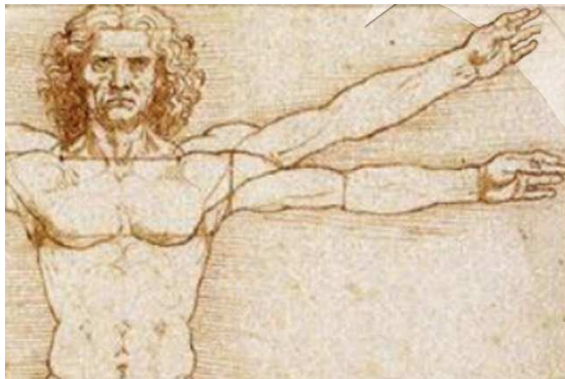


10:35 AM (3D04) Terri Houdayer— *MDiv/MA Theology Program*: **Laughter in Context.**

My research is centering on the interpretation of Scriptural text through the lens of oral and written language, emphasizing not only the subtlety of word play in the original textual language but also the complexity of the original oral story as it would have been narrated to an audience within the community. The example to be presented at this colloquium is the use of the word *yitshaq*, "laughter," in the Book of Genesis. While Abraham, Sarah, Ishmael, and Isaac all 'laugh,' it can be shown that this one simple word can carry complex and multiple meanings that have often been missed in the past. It is hoped that such a multivocal interpretation can provide a helpful alternative to fundamentalist univocal interpretations by clarifying how Ishmael may have 'laughed,' and how we can see ourselves because of this.

11:00 AM (3D01) Patrícia Anzini da Costa—*English with a Focus in Cultural Studies Program*:

**Tropicalism and Cacaso: a dialogue.** The purpose of this paper is to present the project I have been developing since the beginning of 2009 which is concerned with two distinct genres: music composed by members of Tropicalism, a Brazilian cultural manifestation at the end of the 1960's, and poetry written by a Fringe poet called Cacaso (1944-1987) in the 1970's. The aim is mainly to clarify how Cacaso echoes Tropicalist aesthetics. Thus, I intend to present through some Tropicalist songs and poems by the *mineiro* poet how they dialogue in terms of attacking the frayed forms of the artistic communication, which was translated into a modern garb of Brazil. Tropicalists and Cacaso rekindle the legacy left by Oswald de Andrade and his anthropophagy theory which revival was responsible for updating our Brazilian culture and confronting traditional values dabbled with echoes of a new country, aiming, at the same time, to create an identity.



11:00 AM (3D04) Scott Finn—*BioScience, Technology and Public Policy Program*: **Functional assays of candidate conspecific sperm precedence genes in *Drosophila*.**

Characteristics that enhance a male's ability to generate progeny and contribute to the gene pool are favoured under selection. *Drosophila* females are known to remate in wild and laboratory populations creating opportunity for sperm competition. Normally the second male to mate sires the majority of progeny; however, extensive variation exists among males in sperm competitive ability. A recent survey identified four candidate genes located in the 89B cytogenetic position as contributing to breakdowns in second male paternity success. I have conducted SNP-phenotype association tests for two of the previously identified genes on the basis of sequence divergence (*CG14891* and *CG31287*). Significant associations were found between nonsynonymous polymorphisms among *D. simulans* males and second male paternity success. RNA interference (RNAi) will be utilized to test one of the previously identified candidate genes (*Mst89B*) on the basis of differential male reproductive gene expression and its effect on male paternity success.

11:25 AM (3D01) Khaled Amriki—*Applied Computer Science & Society Program*: **Towards Optimal Placement of Surveillance.** Public transport safety is an important issue that has recently gained attention. Instantly, two years ago there was a horrible incident of stabbing of a man inside the Greyhound bus near Brandon while he was sleeping with his headphones on. To avoid such incidents and to perform post-incident investigations, many buses are nowadays equipped with surveillance cameras. These cameras are usually installed at important places such as doors, front and middle of the bus. This camera placement is often performed manually based on human intuition and knowledge; however, there is no scientific basis to justify: 1) how many cameras would be sufficient, and 2) where they should be placed, to increase the area coverage at a minimum cost. We aim to fill this gap in research by presenting this as an optimization problem and developing an algorithm to compute the approximate coverage of a camera inside the 3D bus model.

