EXEMPLARY RESEARCH + ENGAGED STUDENTS = EXTRAORDINARY RESULTS
Building on a foundation of excellence in liberal education, the University of Lethbridge has evolved into one of the country’s leading comprehensive academic and research universities. The U of L is recognized on the national stage as one of the top-three undergraduate institutions (2014 Maclean’s University Rankings) and one of Canada’s top-three undergraduate research universities (RE$EARCH Infosource, 2013).

At the U of L, we support creative inquiry that is interactive, experimental and engaged. We create communities of research excellence that span across disciplines and advance knowledge that matters to our students, our community, our province and our nation.

As an essential component to excelling as a comprehensive university, graduate education remains a pillar in the new University of Lethbridge Strategic Plan, Destination 2020. Research-orientated graduate education ensures our students are lifelong learners committed to intellectual discovery, creating professional and personal opportunities for growth. Our goal is to support and champion all students in their research endeavours, helping to train the next generation of researchers, innovators and leaders.

This year, at our Celebrating Research event, we honour faculty and postdoctoral fellows from across campus who received academic research awards of distinction, secured research funding or published their research findings in the last year. We are proud of their many contributions to our University community and look forward to growing the reputation and reach of research at the U of L.

Congratulations to all our award recipients!

Dr. Daniel J. Weeks  
Vice-President Research
In celebration of the University of Lethbridge’s significant research accomplishments, we honour the following award and grant recipients:

**Research Awards: External**

Alberta Health Services Wendy Lipinski Memorial Scholarship for Advanced Education  
**Em Pijl Zieber (Health Sciences)**

Alberta Innovates Technology Futures Strategic Chair in (RNA) Bioengineering  
**Hans-Joachim Wieden (Chemistry & Biochemistry)**

Alberta Science and Technology (ASTech) Foundation Innovation in Agricultural Science Award  
**Igor Kovalchuk (Biological Sciences)**

Allied Arts Council Joan Waterfield Memorial Award  
**Peggi Mezei (Music)**

Canadian Federation of Alberta Faculty Associations Distinguished Academic Award  
**Bryan Kolb (Neuroscience)**

Canadian Institutes of Health Research Chair in Gender, Work & Health  
**Olga Kovalchuk (Biological Sciences)**

Canadian Stroke Network Paul Morely Mentorship Award  
**Bryan Kolb (Neuroscience)**

Indiana University Gill Center for Biomolecular Science Gill Award  
**Bruce McNaughton (Neuroscience)**

Social Housing in Action “Innovation in Housing First” Award  
**Yale Belanger (Native American Studies)**
Research Awards: Internal
Ingrid Speaker Medal for Distinguished Research, Scholarship, or Performance
Cynthia Chambers (Education)
University of Lethbridge University Scholar
Michael Basil (Management)
Judith Kulig (Health Sciences)
Mark Walton (Sciences)
Carol Williams (Humanities)

Research Grants: External
Alberta Cancer Foundation
Summer Studentship Award
Roy Golsteyn (Biological Sciences)
Bryan Kolb (Neuroscience)

Alberta Centre for Child, Family and Community Research Grant
Luc Martin (Kinesiology & Physical Education)
Claudia Malacrida (Sociology)

Alberta Conservation Association
Grants in Biodiversity
Theresa Burg (Biological Sciences)
Cam Goater (Biological Sciences)
(2) Robert Laird (Biological Sciences)

Alberta Human Rights and Multiculturalism Grant
Bonnie Lee (Health Sciences)

Alberta Innovates Health Solutions
Sustainability Funds
Jon Doan (Kinesiology & Physical Education)
Robbin Gibb (Neuroscience)
Claudia Gonzalez (Kinesiology & Physical Education)
Gerlinde Metz (Neuroscience)
Claudia Malacrida (Sociology)

Alberta Innovates Technology
Futures Geek Starter Grant
Howard Cheng (Mathematics & Computer Sciences)
Hans-Joachim Wieden (Chemistry & Biochemistry)

Allied Student Assessment Network Grant
Carmen Mombourquette (Education)

American Bisexuality Institute Research Grant
Jean-Baptiste Leca (Psychology), co-applicant; Noelle Gunst (Psychology), co-applicant; Paul Vasey (Psychology), co-applicant

Canada Council for the Arts Travel Grant
Michael Campbell (Art)

Canada Foundation for Innovation
John R. Evans Leaders Fund Award
Christopher Hopkinson (Geography)
Locke Spencer (Physics & Astronomy)

CIHR Café Scientifique Grant
Penny D’Agnone (Office of Research & Innovation Services)

CIHR Dissemination Events Grant
Ute Wieden-Kothe (Chemistry & Biochemistry)

CIHR Operating Grant
Cheryl Currie (Health Sciences), co-Principle Applicant; Jennifer Copeland (Kinesiology), co-Principle Applicant; Gerlinde Metz (Neurosciences), co-Principle Applicant; Judith Kulig (Health Sciences), co-applicant; Michelle Hogue (Dean’s Office), co-applicant; Olu Awosoga (Health Sciences), co-applicant.

Olga Kovalchuk (Biological Sciences)
CIHR Research Planning Grant
Bonnie Lee (Health Sciences)

Canadian Journal of Philosophy Grant
Bryson Brown (Philosophy)

Canadian Space Agency Contract
(3) David Naylor (Physics & Astronomy)

Canadian Stroke Network Summer Studentship
Gerlinde Metz (Neuroscience)

Compute Canada
Stacey Wetmore (Chemistry & Biochemistry)

Cluster of Computing and Informatics, University of Malaya, Malaysia
Mahfooz Ansari (Management), co-investigator

Employment and Social Development Canada
Richard Mueller (Economics), co-applicant

endMS Regional Research and Training Centre award
Gerlinde Metz (Neuroscience)

Endowment Fund Grant Scheme, University of Malaya, Malaysia
Mahfooz Ansari (Management), co-applicant

Global Alliance to Prevent Prematurity and Stillbirth & Bill & Melinda Gates Foundation Grand Challenges Program
Gerlinde Metz (Neuroscience), co-applicant

Health Canada Health Care Contribution Program
Judith Kulig (Health Sciences), co-Principal Investigator

Max Bell Foundation award
Noella Piquette (Education)

MS Society of Canada Grant
Gerlinde Metz (Neuroscience)

National Institutes of Health Research Grant
Aaron Wilber (Neuroscience)

National Science Foundation
Jennifer Mather (Psychology)

NSERC Discovery Grant
Louise Barrett (Psychology)
Michael Gerken (Chemistry & Biochemistry)
Peter Henzi (Psychology)
Chris Hugenholtz (Geography)
Hester Jiskoot (Geography)
Hadi Kharaghani (Mathematics & Computer Science)
Abbas Momeni (Mathematics & Computer Science)
Sergio Pellis (Neuroscience)
Joseph Rasmussen (Biological Sciences)
Drew Rendall (Psychology)
Stewart Rood (Biological Sciences)
Marc Roussel (Chemistry & Biochemistry)
Tony Russell (Biological Sciences)
Matthew Tata (Neuroscience)

NSERC Engage Grant
Howard Cheng (Mathematics & Computer Science)

Online Professional Grown Web Service Project
Carmen Mombourquette (Education), co-investigator

Parkland Institute Faculty Research Award
Suzanne Lenon (Women & Gender Studies)

SSHRC Insight Grant
Yale Belanger (Native American Studies), co-investigator
John Harding (Religious Studies)
Claudia Malacrida (Sociology)
Goldie Morgenthaler (English)
Mickey Vallee (Sociology)

SSHRC Knowledge Synthesis Grant
Susan McDaniel (Prentice Institute)
SSHRC Partnership Grant
(2) Yale Belanger (Native American Studies), collaborator
Lisa Doolittle (Theatre & Drama), co-applicant
Cynthia Chambers (Education), collaborator
Geoffrey Hale (Political Science), co-applicant
Jean Harrowing (Health Sciences), collaborator
Erika Hasebe-Ludt (Education), collaborator
Christopher Kukucha (Political Science), collaborator
Susan McDaniel (Prentice Institute), co-applicant
Richard Mueller (Economics), collaborator
Donna Townley (Economics), collaborator

Sport Science Association of Alberta Operating Grant
Luc Martin (Kinesiology & Physical Education)

Western & North-Western Region of Canadian Association of Schools of Nursing Graduate Student Award
Judith Kulig (Health Sciences)

Western & North-Western Region of Canadian Association of Schools of Nursing Research Grant
Monique Sedgwick (Health Sciences)

Workers Compensation Board of Manitoba
Kelly Williams-Whitt (Management), co-applicant

Research Grants: Internal
Emmy Droog Research Award
Jon Doan (Kinesiology & Physical Education)

University of Lethbridge Community of Research Excellence Development Opportunity (CREDO) Grant
Lance Grigg (Education)
Mary Kavanagh (Art)
Catherine Kingfisher (Anthropology)
Jason Laurendeau (Sociology)
Suzanne Lenon (Women & Gender Studies)
Goldie Morgentaler (English)
Kent Peacock/Bryson Brown (Philosophy)

University of Lethbridge Internal SSHRC Grant
Kimberly Mair (Sociology)
Kevin McGeough (Geography)

University of Lethbridge Research Dissemination Grant
Jay Whitehead (Theatre & Drama)

University of Lethbridge Research Fund (ULRF) Grant
Ylias Chali (Mathematics & Computer Science)
Anne Dymond (Art)
Robbin Gibb/Claudia Gonzalez (Neuroscience/Kinesiology & Physical Education)
Roy Golsteyn (Biological Sciences)
Kara Granzow (Sociology)
Nicholas Hanson (Theatre & Drama)
Tom Hazell (Kinesiology & Physical Education)
Paul Hazendonk (Chemistry & Biochemistry)
Michelle Helstein/Sean Brayton (Kinesiology & Physical Education)
Hester Jiskoot (Geography)
Mary Kavanagh (Art)
Catherine Kingfisher (Anthropology)
Suzanne Lenon (Women & Gender Studies)
James MacKenzie (Anthropology)
Claudia Malacrida (Sociology)
Luc Martin (Kinesiology & Physical Education)
Victor Rodych (Philosophy)
James Sanders (Health Sciences)
Walter Wymer (Management)
Soroosh Yazdani (Mathematics & Computer Science)
Post-Doctoral Fellow Awards

Alberta Innovates Health Solutions PDF Fellowship
Ben Clark (Neuroscience)

Canadian Space Agency Space Science Enhancement Award PDF Fellowship
Matthijs Van Der Wiel (Physics & Astronomy)

Leakey Foundation Award
Jean-Baptiste Leca (Psychology)

Peer-Reviewed Publications

Kristine Alexander (History)

Mahfooz A. Ansari (Management)

YJ Bao (Management)

Debra Basil (Management)

Mike Basil (Management)

Vishaal Baulkaran (Management)

Yale Belanger (Native American Studies)


Laura Chasmer (Geography)


Darren Christensen (Health Sciences)


Sandra Cowan (Library)


Cheryl Currie (Health Sciences)


Hagan B, Grant-Kalischuk, R, Currie CL, Nixon G, Solowoniuk J. A big hole with the wind blowing through it: Aboriginal women’s experiences


Alexander Darku (Economics)


Sauyra Das (Physics & Astronomy)


Elizabeth Galway (English)


Beth Gerwin (Modern Languages)

- “Révision et subversion: Balzac et le mythe de Napoléon.” @nalisys (www.revue-analyses.org), Vol. 8, No. 3 Automne 2013: 48-88

Geoffrey Hale (Political Science)


Nicholas Hanson (Theatre)


Trevor Harrison (Sociology)


Alice Hontela (Biology)


Hester Jiskoot (Geography)

Abdie Kazemipur (Sociology)


Byran Kolb (Neuroscience)


Robert Laird (Biology)

Bonnie Lee (Health Sciences)

Artur Luczak (Neuroscience)

Heidi MacDonald (History)

Claudia Malacrida (Sociology)

Richelle Marynowski (Education)
Jennifer Mather (Psychology)


Gerlinde Metz (Neuroscience)


Majid Mohajerani (Neuroscience)

Carmen Mombourquette (Education)


Goldie Morgentaler (English)


Richard Mueller (Economics)


Sergio Pellis (Neuroscience)


Adriana Predoi-Cross (Physics & Astronomy)

- Chad Povey, Mileno Guillorel-Obregon, Adriana Predoi-Cross, Sergey V. Ivanov, Oleg G. Buzynkin, Franck Thibault, Low pressure line shape study of nitrogen perturbed acetylene transitions in the $\nu_1+\nu_3$ band over a range of temperatures, in press, Canadian Journal of Physics 91(11) 896-905 (2013).

• Amr Ibrahim, Adriana Predoi-Cross, Chad Povey, Handling Techniques for Channel Spectra in Synchrotron-Based Fourier Transform Spectra, Canadian Journal of Physics 91(11) 910-923 (2013).


• Adriana Predoi-Cross, Michel Herman, Luciano Fusina, Gianfranco Di Lonardo, The infrared spectrum of \( 13\text{C}_2\text{H}_2 \) in the 60 - 2600 cm\(^{-1} \) region: bending states up to \( v_4 + v_5 = 4 \), Molecular Physics 110 Issue 21/22 (2012) 2621-2632.

• Chad Povey, Adriana Predoi-Cross, Daniel R. Hurtmans, Low pressure line shape study of acetylene transitions in the \( 2\nu_1 + \nu_2 + \nu_4 + \nu_5 \) band over a range of temperatures, Molecular Physics 110 Issue 21/22 (2012) 2633-2644.

• Hoimonti Rozario, Jolene Garber, Chad Povey, Daniel Hurtmans, Jeanna Buldyreva, Adriana Predoi-Cross, Experimental and theoretical study of N2-broadened acetylene line parameters in the \( \nu_1 + \nu_3 \) band over a range of temperatures, Molecular Physics. 110 Issue 21/22 (2012) 2645-2663.

• A. Predoi-Cross, Michel Herman, Luciano Fusina, Gianfranco Di Lonardo, The far infrared spectrum of trans-formic acid: An extension up to 175 cm\(^{-1} \), Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012) 1034-1137.

• V. Malathy Devi, D. Chris Benner, M.A.H. Smith, A.W. Mantz, K. Sung, L.R. Brown, A. Predoi-Cross, Spectral line parameters including temperature dependences of self- and air-broadening in the \( 2 \nu_0 \) band of CO at 2.3 \( \mu \text{m} \), Journal of Quantitative Spectroscopy & Radiative Transfer 113 (2012) 1013-1033.

William Ramp (Sociology)


Mark Richards (Music)


Keith Roscoe (Education)


Aaron Taylor (New Media)


Mark Walton (Physics & Astronomy)


• A. Nassar, M.A. Walton, ‘Rational Conformal Field Theory with Matrix Level and Strings on a Torus’, Canadian Journal of Physics 91 (2013); arXiv:1211.2728


Stacey Wetmore (Chemistry & Biochemistry)


Kelly Williams-Whitt (Management)


Wei Xu (Geography)

- Xu, Wei, Yang, Bo and Chen, Zhenzhen (2012) Flexible management strategies of firms and labor market segmentation in Shanghai, China Urban Research, Volume 5: 45-64 (in Chinese)

Other Publications
Kristine Alexander (History)


Richelle Marynowski (Education)


Adam Mason (Music)


Performances/ Creative Activity/Exhibitions
Rolf Boon (Music)

- 2013–The world premiere of Adagio for Strings was performed by the Lethbridge Symphony Orchestra (LSO), conducted by Maestro Dr. Glenn Klassen, on November 17th as part of their Master Series at Southminster Church, Lethbridge, Alberta.
- 2013–Avant–Garde & Beyond #42 hosted by Piotr Grella–Mozejko on CJSR Radio 88.5 FM Edmonton with additional broadcasts in Montreal, Toronto, Vancouver, St. John’s, New York, the UK, Central Europe, and Australia presented Waves (2006) performed by the University of Lethbridge Contemporary Music Ensemble found on the Cult Figures CD (2010).
- 2013–Avant–Garde & Beyond #101 hosted by Piotr Grella–Mozejko on CJSR Radio 88.5 FM Edmonton with additional broadcasts in Montreal, Toronto, Vancouver, St. John’s, New York, the UK, Central Europe, and Australia presented the following works:  Six Miniatures (1982) performed by Don Ross (clarinet) and Roger Admiral (piano); System 2.3/7 (2006, electronic) found on the Cult Figures CD; Waves...
(2006) performed by the University of Lethbridge Contemporary Music Ensemble also from the Cult Figures CD; Wind Shadows (2012) performed by Sarah Gieck (flute); the Elusiveness of Certainty (2012, electronic); and Experiment IV (2012, electronic).

- 2012–Children’s Window (2010–12), a collection of piano music was performed by Glen Montgomery at the University of Lethbridge as part of the Faculty Music Recital Series, November 6th, and at North Island College, Courtney B.C., November 10th.

- 2012–Wind Shadows (2012) for flute and electronics and Elusiveness of Certainty (2012) were presented at the University of Lethbridge as part of the Faculty Music Recital Series, October 30th.

- 2012–Wind Shadows (2012) for flute and electronics was selected to be part of the Canada Mix for the 60x60 Canadian Mix comprised of composers, musicians and sound artists from Canada. The mix was broadcast in Montreal, Halifax and Los Angeles from November 2012 to February 2012. The work was also presented at a University of Lethbridge Faculty Music Recital Series on October 30th.

- 2012–Elusiveness of Certainty (2012) was selected by the New Music Edmonton Society and presented on November 17 as part of the Edmonton New Music Festival. The work was also presented at a University of Lethbridge Faculty Music Recital Series on October 30.

Nicholas Hanson (Theatre)


- Nicholas Hanson – Acting/Writing Corporate Funding of Marriage Equality Campaigns – a performative provocation, as part of Pretty, Witty & Gay cabaret, presented by Theatre Outre, Lethbridge. Performance date: April 6, 2013 (Sterndale Bennett Theatre).

- Nicholas Hanson – Acting (guest performance) The Rocky Horror Show – mainstage musical produced by University of Lethbridge, Department of Theatre and Dramatic Arts. Performance date: October 16, 2012 (University Theatre)

Adam Mason (Music)

- Trinidad and Tobago – performed 2 compositions in the Sforzando Pan Yard in Port of Spain, Trinidad. July 2012

- Japan - Featured Artist on the FALSA Percussion Group Percussion Ensemble Concert in Hirosaki, Japan. August 2012

- Minnesota – Featured Artist and Guest Lecturer at Bemidji State University World Music Concert. October 2012

- Texas – selected among the top steel drum players in the world to perform with the PASIC All-Star Steel Band at the Percussive Arts Society International Convention in Austin, Texas. November, 2012.

- Hawaii - Presented and collected original research in African drumming and Polynesian drumming at Brigham Young University-Hawaii. February, 2013


- The Netherlands – performed three compositions at The Netherlands International Steel Band Festival.

Books


Wendy Donawa and Leah Fowler (editors): Reading Canada: Teaching Canadian Fiction in Secondary Schools.


John S. Harding and Hillary P. Rodrigues (editors), The Study of Religion: A Reader


Catherine Kingfisher (author): A Policy Travelogue: Tracing Welfare Reform in Aotearoa/New Zealand and Canada.


John Poulson (author): Shakespeare for readers’ theatre: Volume 1 Hamlet, Romeo and Juliet, A midsummer night’s dream.


Blythe Shephard and Priya Mani (editors): Career development practice in Canada: Perspectives, principles and professionalism.


John von Heyking and Thomas Heilke (editors): The Primacy of Persons in Politics.

Thomas Heilke and John von Heyking (editors): Hunting and Weaving

John von Heyking and Lee Trepanier (editors): Teaching in an Age of Ideology.


Carol Williams (editor): Indigenous Women and Work.

**Acronyms**

- **CIHR** Canadian Institutes of Health Research
- **NSERC** Natural Sciences and Engineering Research Council of Canada
- **SSHRC** Social Sciences and Humanities Research Council of Canada