



CELEBRATE!

TEACHING • LEARNING • RESEARCH

UNIVERSITY OF ALBERTA

WEDNESDAY, SEPTEMBER 23, 2015 — 4:00 P.M.



“The people demand that knowledge shall not be the concern of scholars alone. The uplifting of the whole people shall be its final goal.”

HENRY MARSHALL TORY
Founding President, 1908







PROGRAM

CELEBRATE! TEACHING • LEARNING • RESEARCH
Please stand for the Processional (as it enters the Auditorium)

HOSTS

- Dr. Steven Dew, *Provost and Vice-President (Academic)*
- Dr. Lorne Babiuk, *Vice-President (Research)*

AWARD PRESENTATIONS

CLOSING REMARKS

- Mr. Robert Teskey, *Board of Governors*
 - Dr. Steven Dew
-

VIDEO PRESENTATIONS

- Falling Walls Young Innovator of the Year
- David J. Prior COPLAC Award
- Association of Canadian Publishers President's Award
- Killam Prize
- University Cup

PERFORMANCES

- University of Alberta Woodwind Quintet
- Strawflowers Stringband

PLEASE JOIN US FOR A RECEPTION IN THE
HOROWITZ LOBBY FOLLOWING THE CEREMONY

VIDEO PORTRAIT

Nermeen Youssef

FALLING WALLS YOUNG INNOVATOR OF THE YEAR



Ms. Nermeen Youssef is a PhD candidate in the Department of Pharmacology working towards completion of her degree in September. During her program, she has studied a specific class of ion channels that are implicated in both diabetes and heart disease.

The "blue light" project where cells can be engineered to secrete bioactive hormones has captured the laboratory's imagination.

Dr. Peter Light, supervisor and mentor, encouraged Ms. Youssef to present the idea at the local

Falling Walls competition. With this encouragement, feedback from colleagues and the bootcamp organized by Falling Walls U of A to help distill the idea, her presentation won second place at the local and international competitions.

Although Ms. Youssef is tempted to stay on and follow up on the project to see where their findings will take them, she knows that it is in good hands in the lab. After graduation, she plans to explore how research projects like this can translate into public health action. She has a particular interest in health promotion and plans to gain experience in international health policy.

Other awards Ms. Youssef has received are the Queen Elizabeth II Graduate Scholarship; Alberta Innovates Technology Futures — Geekstarter Award; Faculty of Medicine & Dentistry 75th Anniversary Graduate Student Award; László Szekeres Award — International Academy of Cardiovascular Sciences — European division; Alberta Diabetes Institute PhD studentship; and Mazankowski Alberta Heart Institute Graduate Scholarship.

FALLING WALLS YOUNG INNOVATOR OF THE YEAR

An international initiative, the Falling Walls Lab promotes breakthrough ideas, advances innovative scientific and entrepreneurial visions, and facilitates knowledge exchange among young researchers and young professionals. The Falling Walls Lab finale is held every year in Germany, where 100 young scientists, innovators and entrepreneurs from more than 34 countries present their research projects, ideas and initiatives in front of a jury of experts.

- Nermeen Youssef — Pharmacology
Second place, Falling Walls Lab international finale, Berlin, 2014
-

ALBERTA LIEUTENANT GOVERNOR'S AWARD
FOR EXCELLENCE IN PUBLIC ADMINISTRATION

This award pays tribute to public sector practitioners whose careers exhibit the highest standards of excellence, dedication and accomplishments.

- Carl Amrhein — Former Provost and Vice-President Academic
-

McCALLA PROFESSORSHIP

The McCalla Professorships recognize faculty members for their outstanding contributions to the university community and their commitment to integrate research, teaching and learning throughout their careers.

- Edan Foley — Medical Microbiology and Immunology
- Neil Haave — Augustana
- Gerald Häubl — Marketing, Business Economics and Law
- Catherine Kellogg — Political Science
- Donna Vine — Agricultural, Food and Nutritional Science
- Frederick West — Chemistry
- Roger Zemp — Electrical and Computer Engineering
- Bruce Ziff — Law

PROVOST'S AWARD FOR EARLY ACHIEVEMENT OF EXCELLENCE IN UNDERGRADUATE TEACHING

This award recognizes teaching excellence by academic staff within five years of their first university appointment.

- Dominic Sauvageau — Chemical and Materials Engineering
-

YOUNG INVESTIGATOR AWARD

This award is sponsored by the Canadian Paediatric Society and recognizes basic or clinical research accomplishments of a young investigator in fields that benefit child and youth health.

- Amanda Newton — Pediatrics
-

ALBERTA ORDER OF EXCELLENCE

The Alberta Order of Excellence is the highest honour the Province of Alberta can bestow on a citizen. Members have made an outstanding provincial, national, or international impact.

- Jacob Masliyah — Chemical and Materials Engineering
-

EXCELLENCE IN TEACHING PRINTMAKING AWARD

The Excellence in Teaching Printmaking Award is sponsored by the Southern Graphics Council International and is given to an individual who has made an outstanding contribution to teaching printmaking and has demonstrated excellence in his or her own creative work.

- Walter Jule — Art and Design
-

ALBERTA SCIENCE AND TECHNOLOGY (ASTeCH) AWARDS

The ASTeCH Foundation showcases substantial achievements in science and technology in Alberta to promote the importance of these activities for social and/or economic benefit.

Leaders of Tomorrow

- Matthew Benesch — Biochemistry

Outstanding Leadership in Alberta Science

- Mark Boyce — Biological Sciences
- Warren Finlay — Mechanical Engineering

Innovation in Oil Sands Research

- Julia Foght — Biological Sciences
-

CPHA INTERNATIONAL LEADERSHIP AWARD

This award recognizes a significant contribution to the advancement of the profession of pharmacy within an international context and is sponsored by the Canadian Pharmacists Association.

- Cheryl Cox — Pharmacy and Pharmaceutical Sciences
-

DISTINGUISHED COMMUNITY PAEDIATRICIAN AWARD

The Community Paediatrics Section of the Canadian Paediatric Society established the Distinguished Community Paediatrician Award to recognize colleagues who have demonstrated a significant contribution to the field of community paediatrics.

- Hasu Rajani — Pediatrics

DISTINGUISHED UNIVERSITY PROFESSOR

The university awards the title of Distinguished University Professor to those individuals who have achieved outstanding distinction and scholarship in each of the areas of research, teaching, and service to the academy and the community at large.

- Simaan AbouRizk — Civil and Environmental Engineering

VIDEO PORTRAIT

Ryan Lindsay

DAVID J. PRIOR COPLAC AWARD



Ryan Lindsay, a fourth-year student from Wainwright, Alberta, received the 2015 David J. Prior COPLAC Award for his reflective essay on the transformative power of a liberal arts and sciences education.

The Council of Public Liberal Arts Colleges (COPLAC) consists of 29 member institutions and drives awareness of the value of high-quality, public liberal arts. Each student's essay highlights one or more of the following features: active learning, ethical reasoning, interdisciplinary approaches to

knowledge, community engagement, critical and reflective skills, and connections between liberal learning and informed, active citizenship.

Ryan graduated from the University of Alberta's Augustana Faculty in Spring 2015, receiving his B.A with Distinction in Physical Education — Outdoor Education. His award-winning essay covered topics as diverse as dogsledding in the Canadian Arctic, farming on the prairies, finding Aboriginal artifacts, and eviscerating a deer. Told with a purpose, his stories quote theorists like John Dewey, Bill McKibben, and Wendell Berry to lend context. Ryan noted that "I have found in my liberal arts education that embracing the challenge of life, rather than running from problems, is a more deeply satisfying way for me to live my life." Having spent much of his summer sailing around Iceland, Ryan plans to return to Camrose, work with a solar panels business, and explore his next life challenges.

DAVID J. PRIOR COPLAC AWARD

The David J. Prior COPLAC Award recognizes senior-level undergraduates whose academic careers and future goals have been shaped by the transformative power of the liberal arts and sciences experience at a COPLAC institution.

- Ryan Lindsay — Augustana
-

INTERNATIONAL CITATION

The Citation for International Students is awarded annually to students on a study permit who are entering an undergraduate degree program at the University of Alberta from high school on the basis of superior academic achievement.

- Ryan Marsh — Engineering
 - Monish Prasanna — Engineering
-

CHANCELLOR'S CITATION

The Chancellor's Citation is awarded annually to students entering an undergraduate degree program at the University of Alberta from high school on the basis of superior academic achievement.

- Haley Dittmann — Engineering
- Rowan French — Science
- Jamie Grunwald — Augustana
- Meghan Lim — Agricultural, Life and Environmental Sciences
- Callie Lissinna — Engineering
- Julie Moysiuk — Arts
- Gillian Pierce — Engineering

BMO FINANCIAL GROUP CITATION

The BMO Financial Group Citation is awarded annually to students entering an undergraduate degree program at the University of Alberta from high school on the basis of superior academic achievement and financial need.

- Frodo Bark — Science
 - Yeonkyeong Kim — Science
-

PRESIDENT'S CITATION

The President's Citation is awarded annually to students entering an undergraduate degree program at the University of Alberta from high school on the basis of superior academic achievement.

- Rielle Gagnon — Science
- Natasha Pye — Engineering

PRESIDENT'S CENTENARY CITATION

The President's Centenary Citation, the most prestigious of citations, is awarded annually to a student entering an undergraduate degree program at the University of Alberta from high school on the basis of superior academic achievement.

- Liam McCoy — Science

HUMBOLDT RESEARCH AWARD

This award, administered by the Humboldt Foundation, is presented to academics whose fundamental discoveries, new theories, or insights have had a significant impact on their own discipline and who are expected to continue producing cutting-edge achievements in the future.

- Nikita Karpenko — Mathematical and Statistical Sciences
-

PASMORE-WOODMAN AWARD

Offered by the Organization Development and Change (ODC) Division of the Academy of Management (U.S.), this award recognizes colleagues who have maintained a significant working relationship producing original and innovative ODC research.

- Royston Greenwood — Strategic Management and Organization
- Bob Hinings — Strategic Management and Organization

RUTHERFORD AWARD FOR EXCELLENCE IN UNDERGRADUATE TEACHING

The Rutherford Award for Excellence in Undergraduate Teaching recognizes teaching excellence by full-time continuing academic staff.

- Masoud Ardakani — Electrical and Computer Engineering
 - Brian Maraj — Physical Education and Recreation
-

ROYAL SOCIETY OF CANADA FELLOW

Fellowship in the Royal Society of Canada is one of the highest levels of recognition of artistic and intellectual accomplishment in Canada.

- Mark Lewis — Mathematical and Statistical Sciences and Biological Sciences
 - Zhenghe Xu — Chemical and Materials Engineering
-

ROYAL SOCIETY OF CANADA RUTHERFORD MEMORIAL MEDAL IN CHEMISTRY

This medal is awarded by the Royal Society of Canada for outstanding research in any branch of Chemistry.

- Robert Campbell — Chemistry
-

ROYAL SOCIETY OF CANADA COLLEGE OF NEW SCHOLARS, ARTISTS AND SCIENTISTS

Based on excellence, induction recognizes exceptionally talented individuals in the early stages of their careers.

- Jonathan Martin — Laboratory Medicine and Pathology
 - Keavy Martin — English and Film Studies
 - Shannon Scott — Nursing
-

VIDEO PORTRAIT

Linda Cameron

ASSOCIATION OF CANADIAN PUBLISHERS PRESIDENT'S AWARD



As Director of the University of Alberta Press, Ms. Linda Cameron is responsible for providing strategic leadership, motivation, direction and management of the Press's day-to-day activities.

She brings to the position a wealth of experience and knowledge in both the academic and business communities. From 1998–2001, Ms. Cameron was Manager of Information Systems for The Gleaner Company Limited — the oldest English-language newspaper in the Caribbean. Prior to that, she was founding Director of The University of the West Indies Press in Kingston,

Jamaica. Her career in publishing began at the University of Calgary where she rose through the ranks to become Director of the University of Calgary Press.

Ms. Cameron has held many elected and appointed positions with various publishing organizations including the Book Publishers Association of Alberta (BPAA), the Association of Canadian Publishers (ACP), the Association of Canadian University Presses (ACUP), Livres Canada Books (LCB), the Alberta Foundation for the Arts (AFA), the Public Lending Right Commission (PLRC) and the Canadian Magazine Publishers Association (CMPA). She is currently a member of the Board of the National Reading Campaign (NRC) and the Chair of eBound Canada.

A well-known advocate for publishing, Ms. Cameron received the 2015 Association of Canadian Publishers President's Award "in recognition of ongoing exemplary work on behalf of Canadian publishers, and superlative service to Canadian book publishing industry organizations."

She has written over 20 published articles and edited a history book: *The Story of the Gleaner: Memoirs and Reminiscences*. She has also completed several consultancies in the field of publishing and systems and procedures.

ASSOCIATION OF CANADIAN PUBLISHERS
PRESIDENT'S AWARD

Awarded annually, the President's Award recognizes a publisher who has made a significant contribution to the Canadian publishing industry and to the Association of Canadian Publishers.

- Linda Cameron — University of Alberta Press
-

BMO FINANCIAL GROUP GRADUATE SCHOLARSHIP

The BMO Financial Group Graduate Scholarship is awarded annually to a student registered in, or admitted to, a full-time PhD or thesis-based Master's program at the University of Alberta on the basis of superior academic achievement and demonstrated research ability or research potential.

- Nicole Lugosi — Political Science
-

VANIER CANADA GRADUATE SCHOLARSHIP

The Vanier Canada Graduate Scholarship program aims to attract and retain world-class doctoral students by supporting individuals who demonstrate both leadership skills and a high standard of scholarly achievement in graduate studies in social sciences and humanities, natural sciences and engineering, and health.

- Margot Challborn — Political Science
 - Alexandra Duncan — Art and Design
 - Haitham Elnakar — Civil and Environmental Engineering
 - Darpan Malhotra — Biochemistry
 - Pawel Mekarski — Physics
 - Ayat Omar — Biochemistry
 - Maira Quintanilha — Agricultural, Food and Nutritional Science
 - Leticia Cristina Radin Pereira — Agricultural, Food and Nutritional Science
 - Leslie Robbins — Earth and Atmospheric Sciences
 - Craig Sherstan — Computing Science
 - Kyra St. Pierre — Biological Sciences
 - Ashkan Zolfaghari Sharak — Civil and Environmental Engineering
-

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE (AAAS) FELLOW

American Association for the Advancement of Science Fellows are recognized for their scientifically or socially distinguished efforts to advance science and/or its applications.

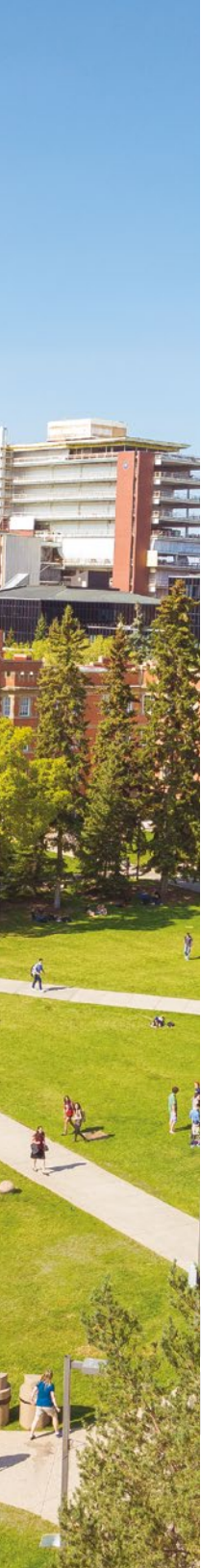
- Richard Rachubinski — Cell Biology

MARTHA COOK PIPER RESEARCH PRIZE

This prize commemorates Dr. Piper's contributions to the research community while she was Vice-President (Research) at the University of Alberta in the 1990s, and is awarded to outstanding researchers at the early stage of their careers.

- Candace Nykiforuk — Public Health
- Michael Serpe — Chemistry





WILLIAM HARDY ALEXANDER AWARD FOR EXCELLENCE IN UNDERGRADUATE TEACHING

The William Hardy Alexander Award for Excellence in Undergraduate Teaching recognizes teaching excellence by academic staff.

- Jérôme Melançon — Augustana
- Yumi Sieben — East Asian Studies
- Adrienne Wright — Biochemistry

INTERNATIONAL NURSE RESEARCHER HALL OF FAME

Induction into the International Nurse Researcher Hall of Fame acknowledges researchers whose work is internationally recognized and has improved the profession and the people it serves.

- Greta Cummings — Nursing

NATIONAL ACADEMY OF INVENTORS FELLOW

Election as a National Academy of Inventors (U.S.) Fellow recognizes academic inventors who have demonstrated a highly prolific spirit of innovation in creating or facilitating outstanding inventions that have had a tangible impact on quality of life, economic development, and the welfare of society.

- Thomas Thundat — Chemical and Materials Engineering
-

PERFORMANCE

Strawflowers Stringband

Faculty of Law Professor Bruce Ziff has accepted a new appointment as the Associate Director of folkwaysAlive!, a unit within the Faculty of Arts at the University of Alberta. One mission of folkwaysAlive! is to facilitate research in relation to the original Folkways albums. It also seeks to explore new musical expressions in the spirit of Moses Asch's vision for Folkways. Bruce teaches property law in the Faculty of Law and is a recipient this year of the University's McCalla Professorship. He is also a professional musician (clawhammer banjo and bodhran) and in recent years has taken to writing songs about leading property cases, on occasion performing these at talks or in the classroom.

The Strawflowers Stringband, consists of Bruce Ziff, Pamela Johnson and Genoa Porteous. In today's performance, Bruce Ziff and Pamela Johnson will be performing. Pamela is a singer-songwriter and guitarist, and is a former member of the Riverdale Bluegrass Band. Bruce plays clawhammer banjo and assorted percussion instruments. In 2011, Bruce won first place at the Kentucky State banjo contest, in the old-time division.

The Strawflowers perform songs and tunes drawn from, or inspired by, traditional music of the southern Appalachian Mountains. At *Celebrate!* Pamela and Bruce will play selections from that rich cultural source.

RONALD CAPE DISTINGUISHED SERVICE AWARD

Each year, the Canadian Geriatrics Society presents this award to recognize an individual who has made an outstanding contribution to the health care of older adults in Canada.

- Jean Triscott — Family Medicine

CHARLES DUNN COPLAC AWARD

An annual faculty award established by the Council of Public Liberal Arts Colleges (COPLAC) Board of Directors in memory of the contributions of Charles Dunn to the advancement of the consortium and to student success in the public liberal arts sector.

- Kim Misfeldt — Augustana
-

VIDEO PORTRAIT

D. Lorne Tyrrell

KILLAM PRIZE



Raised on a farm west of Edmonton, Dr. Lorne Tyrrell obtained his BSc in Chemistry in 1964 and his MD in 1968 from the University of Alberta, and his PhD from Queen's University in 1972. He completed specialty training in Internal Medicine in 1974 and subspecialty training in Infectious Diseases in 1975, both at the University of Alberta. This was followed by an MRC Centennial Fellowship at the Karolinska Institute in Stockholm. He returned to the University of Alberta in 1978, where he has remained since.

In 1986, Dr. Tyrrell began working with Dr. Morris Robins, and they discovered several powerful antivirals against hepatitis B virus (HBV), resulting in a major collaboration with Glaxo Canada (now GlaxoSmithKline). This led to the discovery that lamivudine had potent antiviral impacts on HBV, and today it is licensed worldwide as the first oral antiviral for the treatment of HBV. In 1998, Tyrrell collaborated with Drs. David Mercer and Norman Kneteman to develop the first non-primate model to support hepatitis C replication. Dr. Tyrrell now focuses on the viral and host genetic factors that lead to chronic HBV or hepatitis C virus (HCV) infection and is working with Canada Excellence Research Chairholder Dr. Michael Houghton on the development of an HCV vaccine.

D. Lorne Tyrrell was inducted into the Canadian Medical Hall of Fame in 2011, named a Fellow of the Royal Society of Canada in 2004 and an Officer of the Order of Canada in 2002, and appointed to the Alberta Order of Excellence in 2000. For his work on the development of oral antivirals to treat HBV, Dr. Tyrrell received the 2005 Encana Principal Award from the Ernest C. Manning Awards Foundation. In 2004, he was presented with the Frederic Newton Gisborne Starr Award by the Canadian Medical Association, and in 1998, he and Morris Robins won the Prix Galien Canada, the most prestigious award in the field of Canadian pharmaceutical research and innovation.

KILLAM PRIZE

The Killam Prizes are Canada's leading awards for career achievement in the fields of humanities, engineering, natural sciences, health sciences, and social sciences.

- D. Lorne Tyrrell — Medical Microbiology and Immunology
-

BANTING POSTDOCTORAL FELLOWSHIP

The Banting Postdoctoral Fellowships Program is designed to attract and retain top-tier postdoctoral talent, both nationally and internationally, to develop their leadership potential and to position them for success as research leaders of tomorrow, positively contributing to Canada's economic, social and research-based growth through a research-intensive career.

- Tal Avgar — Biological Sciences
 - Lynn Badia — English and Film Studies
-

ALBERTA INNOVATES TECHNOLOGY FUTURES POSTDOCTORAL FELLOWSHIP

The Alberta Innovates Technology Futures Postdoctoral Fellowship supports excellent translational research to develop leadership and entrepreneurship skills to support the transition and success of university postdoctoral fellows into industrial settings.

- Ruilong Deng — Electrical and Computer Engineering
- Wei Shi — Electrical and Computer Engineering
- Vythegi Srithayakumar — Agricultural, Food and Nutritional Science
- Xiaowen Yan — Laboratory Medicine and Pathology
- Qiang Zhang — Chemistry

J. GORDIN KAPLAN AWARD FOR EXCELLENCE IN RESEARCH

The J. Gordin Kaplan Award for Excellence in Research is the most prestigious University of Alberta research award and is named for the University's first Vice-President (Research).

- James Pinfold — Physics
 - Imre Szeman — English and Film Studies
-

VARGO TEACHING CHAIR

The Vargo Teaching Chair fosters excellence in teaching at the university. This program is committed to supporting individuals who demonstrate innovative and creative teaching methods which enhance learning by undergraduate and graduate students.

- John Nychka — Chemical and Materials Engineering
-

SUPPORT STAFF RESEARCH ENHANCEMENT AWARD

The Support Staff Research Enhancement Award recognizes support staff members who consistently make a positive contribution to the research success of their faculty, department or unit and the university.

- Carolina Aguilar — Family Medicine
-

EXCELLENCE IN LEADERSHIP AWARD

The Excellence in Leadership Award recognizes outstanding leaders or leadership teams for their awareness of and attention to issues that impact the quality of the working and learning environments.

- Margitta Dziwenka — Health Sciences Laboratory Animal Services
 - John Greer — Neuroscience and Mental Health Institute and Physiology
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5-082
5-100 to 5-132-N

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SYNERGY AWARD FOR INNOVATION (NSERC)

The Synergy Awards for Innovation recognize outstanding collaboration and effective partnership between industry and colleges or universities.

- David Segó — Civil and Environmental Engineering
-

CANADIAN ACADEMY OF HEALTH SCIENCES FELLOW

The Canadian Academy of Health Sciences Fellows are recognized for their outstanding performances in the academic health sciences in Canada.

- Marek Michalak — Biochemistry
 - James Shapiro — Surgery
 - Lonnie Zwaigenbaum — Pediatrics
-

ORDER OF CANADA MEMBER

The Order of Canada recognizes a lifetime of outstanding achievement, dedication to the community, and service to the nation.

- Jagannath Prasad Das — Educational Psychology
-

VIDEO PORTRAIT

Harvey Krahn

UNIVERSITY CUP



Dr. Harvey Krahn joined the University of Alberta in 1983 as an Assistant Professor in the Department of Sociology and has served in various teaching, leadership and administrative roles, including Director (1987–93) and Acting Director (1995 and 1997–98) of the Population Research Laboratory; Associate Dean (Research), Faculty of Arts (1999–2002); Acting Dean, Faculty of Arts (2001–02); Chair, University of Alberta Arts, Science & Law Research Ethics Board (1999–2003); and Chair, Department of Sociology (2006–11 and 2012–14).

Dr. Krahn's main foci have been social research methods and the sociology of work. For the past 15 years he has taught Sociology 515, a graduate course examining the design and analysis of social surveys. His extensive involvement with the students who took his course also meant that he was frequently invited to serve on their committees.

Dr. Krahn is known internationally for his role in initiating and coordinating the 'Edmonton Transition Study', the largest social science panel study in Canada. It began in 1985 by surveying and interviewing young Edmonton residents about their transition from school to work in order to obtain longitudinal data on employment patterns that are rarely found in the social sciences. Another of his research programs is in the sociology of work studying employment and career opportunities in the changing Canadian labour market.

Dr. Krahn has received many awards including the Killam Annual Professorship (1996); University of Alberta GSA Academic Staff Award (2002); Landrex Distinguished Professor (2006); Killam Award for Excellence in Mentoring (2006); Canadian Sociological Association (CSA) Outstanding Contributions Award (2009); and University of Alberta Faculty of Arts Research Award (Full Professor) (2012).

UNIVERSITY CUP

The University Cup is the highest honour this university can bestow on a member of the academic staff and is awarded to those individuals who have achieved outstanding distinction in the areas of scholarly research, teaching, and service to the university and the community at large.

- Harvey Krahn — Sociology
-





Arrangements for this celebration are coordinated by:

Office of the Registrar
Convocation and Ceremonies Office

Special thanks to:

Office of the Provost and Vice-President (Academic)

Office of the Vice-President (Research)

Faculty of Graduate Studies and Research

University of Alberta Woodwind Quintet

Kendra Litwin, *flute*

Kara Loewer, *oboe*

Pablo Montes, *bassoon*

Claire Neilson, *clarinet*

Taran Plamondon, *horn*

Videos produced by:

Geoff McMaster, Marketing and Communications,
University of Alberta



UNIVERSITY OF
ALBERTA