



ACADIA
UNIVERSITY

FACULTY OF
PURE AND APPLIED SCIENCE

Huggins Science Seminar

Past Speakers

2025 (43rd) Psychology

Dr. Emily Haigh, Associate Professor, and Chief Mungo Martin Research Chair, University of Victoria

Centering Indigenous Knowledge in Clinical Psychology: Towards Epistemic Inclusion

2024 (42nd) Biology

Dr. Nigel Hussey, Associate Professor, University of Windsor

Large sharks in Canadian waters (and beyond): Is their beauty in the eye of the beholder

2022 (41st) Earth & Environmental Science

Dr. John P. Smol, Distinguished University Professor, Queen's University, Biology

The Power of the Past: Tracking Lake Ecosystem Changes in an Anthropocene World

2020 (40th) Nutrition & Dietetics

Dr. Jessica Fanzo, Bloomberg Distinguished Associate Professor at Johns Hopkins University

Eating in the Anthropocene

2019 (39th) Engineering

Dr. Molly Shoichet, Professor, University of Toronto, Canada Research Chair

Making Change: Engineering the Future of Medicine

2018 (38th) Physics & Chemistry

Dr. Jeff Dahn, Professor, Dalhousie University, Canada Research Chair, NSERC/Tesla Canada Industrial Research Chair

Our Energy Future, Lithium-Ion Batteries and Electrochemical Energy Storage

2016 (37th) Computer Science

Dr. Anne Condon, Professor, University of British Columbia

Programming with Molecules

2015 (36th) Mathematics & Statistics

Ms. Amanda Cox, Graphics Editor at the New York Times

Data Visualization at the New York Times

2013 (35th) Chemistry

Dr. Daniel G. Nocera, **Patterson Rockwood Professor of Energy at Harvard University.**

Personalized Energy for 1 (x 6 billion): A Solution to the Global Energy Challenge

2013 (34th) Biology

Brian Skerry, Photographer and Photojournalist, National Geographic Magazine

Ocean Soul – A Story of Love, Discovery, and Hope

2011 (33rd) Geology

Dr. Paul Hoffman, School of Earth and Ocean Sciences, University of Victoria, British Columbia.

Who's Afraid of Snowball Earth? The Ultimate Climate Catastrophes and their Place in the History of Life.

2010 (32nd) Psychology

Dr. Michael Meaney, **Associate Director of the Research Centre at the Douglas Mental Health University Institute, Director of the Program for the Study of Behaviour, Genes and Environment, and James McGill Professor, Departments of Psychiatry and Neurology and Neurosurgery, McGill University.**

Parental regulation of the structure and function of the offspring genome: Implications for familial transmission of traits.



2009 (31st) Environmental Science

Dr. Louis Fortier, CRC – Response of Arctic Marine Ecosystems to Climate Change, Laval University

Our Feverish Planet: The impacts of an Ice-free Arctic Ocean

2009 (30th) Chemistry

Dr. John Vederas, Dept. of Chemistry, University of Alberta,

Drugs from Bugs and other Natural Sources: An Endless Frontier or Is the Bloom Off the Rose?

2008 (29th) Physics

Dr Art McDonald, Sudbury Neutrino Observatory, ON

A View of our Universe from 2km Underground

2006 (28th) Nutrition

Dr. Walter Willett. Dept of Nutrition, Harvard University, MA

Diet and Health: A Progress Report

2005 (27th) Computer Science

Dr. Ben Shneiderman. Dept of Computer Science, University of Maryland, MD

Leonardo's Laptop: Human Needs and the New Computing Technologies

2004 (26th) Math

Dr. David Brillinger. Dept of Statistics, University of Berkeley, CA

All Right, Have it Your Way – You Heard a Seal Bark: A Statistician's Journey with Marine Biologists

2000 (25th) Geology

Dr. Paul E. Olsen, Storke Memorial Professor of Earth & Environmental Sciences, Lamont Doherty Earth Observatory of Columbia University, New York

In With a Bang? The Beginning of the Age of Dinosaurs



1999 (24th) Biology

Dr. Nancy Lane, Department of Zoology, University of Cambridge, UK

Hello Dolly: The Science and Ethics of Cloning

1997 (23rd) Chemistry

Professor Paul J. Worsfold, Professor of Analytical Science and Director, Plymouth Environmental Research Centre, Department of Environmental Sciences, University of Plymouth, Devon, UK

Analytical Chemists - The Environmental Police

1995 (22nd) Psychology

Dr. Ronald Melzack, Professor of Psychology, McGill University

Phantom Limbs and Pain

1995 (21st)

Dr. David Rosenberg,

Ecological Contributions to Understanding Environmental and Social Problems

Dr. Max Oelschlaeger

Religion as a Source of Environmental Ethics

Kaiulani Lee

A play A Sense of Wonder

1993 (20th)

Dr. John W. Milnor, Director, Institute for Mathematical Sciences, State University of New York

Chaos, Chance & Fractals

1991 (19th)

Dr. T. Y. Lin, T. Y. Lin International, San Francisco, California

Some Unique Bridges Around the World: Their Environmental, Economic, and Constructional Considerations.



1990 (18th)

Dr. Brian K. Reid, Western Research Laboratory, Digital Equipment Corporation, Palo Alto, California

Computer Networks: The Next Great Change to Civilization

1989 (17th)

Dr. Raymond U. Lemieux, Emeritus Professor of Chemistry, The University of Alberta

Crossing the ABO Blood Barrier: a Matter of Life or Death

1988 (16th)

Dr. Donald Meichenbaum, Professor of Psychology, The University of Waterloo, Waterloo, Ontario

The Nature and Dangers of Compliance

1987 (15th)

Dr. David B. Skinner, President, New York Hospital, Professor of Surgery, Cornell University

Health Care Systems in Transition

1986 (14th)

Dr. John Imbrie, Paleo meteorologist and Henry L. Doherty, Professor of Oceanography, Brown University, Providence, Rhode Island

Astronomical Theory of the Ice Ages: What Happened and Why

1985 (13th)

Dr. Keith Porter, Wilson Elkins Distinguished Professor, Chairman, Department of Biological Sciences, University of Maryland, Cantonsville, Maryland.

Transport in Cells: What we have Learned from Chromatophores

1983 (12th)

Dr. Leon M. Lederman, Specialist in High Energy Physics, Director Fermi National Accelerator Laboratory, Batavia, Ill



Inner Space and Outer Space

1982 (11th)

Dr. Robert M. Sutherland, Cancer Center, Rochester, New York

The Challenge of Cancer

1981 (10th)

Dr. John A. Wheeler, Austin, Texas, Director of the Center for Theoretical Physics at the University of Texas at Austin

Neils Bohr, Albert Einstein and the Mystery of Quantum

1980 (9th)

Captain Grace Hopper

Computers - Future Possibilities Hardware, Software and People

1979 (8th)

Dr. Clyde A. Hutchinson Jr., The Carl William Eisendrath Distinguished Service Professor, Department of Chemistry, The University of Chicago

Magnets, Microwaves and Molecules

1978 (7th)

Dr. Elizabeth S. Russell, Physiological Geneticist, The Jackson Laboratory, Bar Harbour, Maine

Can Mice Save Men?

1977 (6th)

Dr. Victor A. McKusick, Chairman and Physician-in-Chief, Department of Medicine, The Johns Hopkins Hospital

The Genetics of Man, Past, Present and Future and Genetic Studies of the Old Order Amish



1976 (5th)

Dr. Choh Hao Li, Director, Hormone Research Laboratory and Professor of Biochemistry and Experimental Endocrinology, University of California

Hormones and Health

1975 (4th)

Dr. Floyd Ratliff, Professor of Biophysics and Physiological Psychology, The Rockefeller University, New York

The Logic of the Retina and On the Psychophysiological Bases of Universal Color Terms

1974 (3rd)

Dr. Janet D. Rowley, Associate Professor of Medicine, University of Chicago

The New Look of Chromosomes

Dr. Akepati Reddi, Assistant Professor, Ben May Laboratory for Cancer Research, University of Chicago

Transformation of Fibroblasts

1973 (2nd)

Dr. Edward Teller, Livermore Radiation Laboratory, Professor of Physics, University of California

The Structure of Matter, Atomic Energy

1972 (1st)

Albert L. Lehninger, Delamar Professor of Physiological Chemistry, John Hopkins University

Mitochondria and the Biochemistry of Calcium

Leon O. Jacobson, Dean, Division of Biological Sciences, University of Chicago

Hormonal Control of Red Cell Formation

Charles B. Huggins, Director Emeritus, Ben May Laboratory for Cancer Research, University of Chicago

Transformation of Normal Mammalian Cells

