

# Acadia University

## Faculty of Pure and Applied Science

Wolfville, Nova Scotia, Canada B4P 2R6  
(TEL) 902-585-1472 (FAX) 902-585-1637

### Huggins Science Seminar Past Speakers

**2020** (40<sup>th</sup>) Nutrition & Dietetics

Dr. Jessica Fanzo, Bloomberg Distinguished Associate Professor at Johns Hopkins University  
*Eating in the Anthropocene*

**2019** (39<sup>th</sup>) Engineering

Dr. Molly Shoichet, Professor, University of Toronto, Canada Research Chair  
*Making Change: Engineering the Future of Medicine*

**2018** (38<sup>th</sup>) 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** (37<sup>th</sup>) Computer Science

Dr. Anne Condon, Professor, University of British Columbia  
*Programming with Molecules*

**2015** (36<sup>th</sup>) Mathematics & Statistics

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

**2013** (35<sup>th</sup>) 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** (34<sup>th</sup>) Biology

Brian Skerry, Photographer and Photojournalist, National Geographic Magazine  
*Ocean Soul – A Story of Love, Discovery, and Hope*

**2011** (33<sup>rd</sup>) 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** (32<sup>nd</sup>) 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** (31<sup>st</sup>) Environmental Science

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

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

**2009** (30<sup>th</sup>) 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** (29<sup>th</sup>) Physics

Dr Art McDonald, Sudbury Neutrino Observatory, ON  
*A View of our Universe from 2km Underground*

**2006** (28<sup>th</sup>) Nutrition

Dr. Walter Willett. Dept of Nutrition, Harvard University, MA  
*Diet and Health: A Progress Report*

**2005** (27<sup>th</sup>) Computer Science

Dr. Ben Shneiderman. Dept of Computer Science, University of Maryland, MD  
*Leonardo's Laptop: Human Needs and the New Computing Technologies*

**2004** (26<sup>th</sup>) 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** (25<sup>th</sup>) 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** (24<sup>th</sup>) Biology

Dr. Nancy Lane, Department of Zoology, University of Cambridge, UK  
*Hello Dolly: The Science and Ethics of Cloning*

**1997** (23<sup>rd</sup>) 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** (22<sup>nd</sup>) Psychology

Dr. Ronald Melzack, Professor of Psychology, McGill University  
*Phantom Limbs and Pain*

**1995** (21<sup>st</sup>)

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*

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**1993** (20<sup>th</sup>)

Dr. John W. Milnor, Director, Institute for Mathematical Sciences, State University of New York  
*Chaos, Chance & Fractals*

**1991** (19<sup>th</sup>)

Dr. T. Y. Lin, T. Y. Lin International, San Francisco, California  
*Some Unique Bridges Around the World: Their Environmental, Economic, and Constructional Considerations.*

**1990** (18<sup>th</sup>)

Dr. Brian K. Reid, Western Research Laboratory, Digital Equipment Corporation, Palo Alto, California  
*Computer Networks: The Next Great Change to Civilization*

**1989** (17<sup>th</sup>)

Dr. Raymond U. Lemieux, Emeritus Professor of Chemistry, The University of Alberta  
*Crossing the ABO Blood Barrier: a Matter of Life or Death*

**1988** (16<sup>th</sup>)

Dr. Donald Meichenbaum, Professor of Psychology, The University of Waterloo, Waterloo, Ontario  
*The Nature and Dangers of Compliance*

**1987** (15<sup>th</sup>)

Dr. David B. Skinner, President, New York Hospital, Professor of Surgery, Cornell University  
*Health Care Systems in Transition*

**1986** (14<sup>th</sup>)

Dr. John Imbrie, Paleometeorologist and Henry L. Doherty, Professor of Oceanography, Brown University, Providence, Rhode Island  
*Astronomical Theory of the Ice Ages: What Happened and Why*

**1985** (13<sup>th</sup>)

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** (12<sup>th</sup>)

Dr. Leon M. Lederman, Specialist in High Energy Physics, Director Fermi National Accelerator Laboratory, Batavia, Ill  
*Inner Space and Outer Space*

**1982** (11<sup>th</sup>)

Dr. Robert M. Sutherland, Cancer Center, Rochester, New York  
*The Challenge of Cancer*

**1981** (10<sup>th</sup>)

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*

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### 1980 (9<sup>th</sup>)

Captain Grace Hopper

*Computers - Future Possibilities Hardware, Software and People*

### 1979 (8<sup>th</sup>)

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

*Magnets, Microwaves and Molecules*

### 1978 (7<sup>th</sup>)

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

*Can Mice Save Men?*

### 1977 (6<sup>th</sup>)

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 (5<sup>th</sup>)

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

*Hormones and Health*

### 1975 (4<sup>th</sup>)

Dr. Floyd Ratliff, Professor of Bio-physics and Physiological Psychology, The Rockefeller University, New York

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

### 1974 (3<sup>rd</sup>)

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 (2<sup>nd</sup>)

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

*The Structure of Matter, Atomic Energy*

### 1972 (1<sup>st</sup>)

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*