

J.K.N. JONES

John Kenyon Netherton Jones, Ph.D. Birmingham University. Assistant lecturer and then lecturer at Bristol University 1936-1944, he was engaged in munitions research and training during the Second World War. He resigned at the end of the war with the rank of captain, and returned to academic work as senior lecturer at Manchester University 1945-1948 and then as reader in chemistry at Bristol University 1948-1953. He came to Queen's in 1953 as Chown Research Professor of Chemistry, a position he held until his death in 1977.

Professor Jones' outstanding achievements in carbohydrate chemistry were recognized by his election as Fellow of the Royal Society of London in 1957 and of the Royal Society of Canada in 1959. The Division of Carbohydrate Chemistry of the American Chemical Society presented him with the Claude S. Hudson Award in 1969, and in 1975 he received the Anselme Payen Award from the Cellulose, Paper and Textile Division. In March 1975 he was awarded the third Sir Norman Haworth Memorial Medal of The Chemical Society (London).

Professor Jones was, at all times, an educator of the highest rank and an inspiration to a large number of graduate students, from whom he evoked, as a result of his enthusiasm, sincerity, and gentle character, tremendous respect and affection. All of his students, former research associates, colleagues, and friends will long remember this truly fine and outstanding gentleman.

The J.K.N. Jones Visitorship was established in memory of Professor Jones, and is funded by the income from the bequests made in his name by his friends, colleagues and former students.

PREVIOUS JONES LECTURERS

- 2015 • *T. Swager*
- 2014 • *W. Yang*
- 2013 • *D. Milstein*
- 2012 • *J.F. Stoddard*
- 2011 • *J.A. Caruso*
- 2010 • *T. Marks*
- 2010 • *G. van Koten*
- 2009 • *P.B. Corkum*
- 2008 • *M. Gruebele*
- 2005 • *W. Klemperer*
- 2001 • *G. Ozin*
- 1997 • *M.S. Brookhart*
- 1993 • *B.O. Fraser-Reid*
- 1990 • *S. Hanessian*
- 1982 • *R. U. Lemieux*



Department of Chemistry Queen's University

is honoured to host the
2015 Jones Lecturer:

Professor B. Mario Pinto

Department of Chemistry
Simon Fraser University



"Serendipity and Nature's Guide to
Therapeutic Interventions"

Friday, October 23, 2015
11:30 am

Room 117, Chernoff Hall

PROFESSOR B. MARIO PINTO



Professor B. Mario Pinto

Department of Chemistry
Simon Fraser University
8888 University Drive
Burnaby, British Columbia
Canada V5A 1S6

B. Mario Pinto, of Goan and Sri Lankan origin, received his B. Sc. and Ph.D. in Chemistry from Queen's University, Canada and pursued postdoctoral studies at l'Institut de Chimie des Substances Naturelles (ICSN)-CNRS, France and at the National Research Council, Ottawa. He served as Professor and Chair of Chemistry and Vice-President, Research at Simon Fraser University (SFU), President of the Canadian Society for Chemistry (CSC) and the International Carbohydrate Organization (ICO). Dr. Pinto is one of the founding members of the Centre for Drug Research and Development (CDRD) in Vancouver and served on its Board and on the Scientific Advisory Board of Sirona Biochem Corp. He served as a member of the Expert Panel on Research Integrity of the Council of Canadian Academies, the Chair of the 2006 International Carbohydrate Symposium, the 81st CSC Conference, and the Gordon Conference on Carbohydrates in 1997. He is Canada's representative to the International Carbohydrate Organization (ICO), and was its President from 2006 to 2008. He served as Vice-Chair of the Chemical Institute of Canada and is now President of the Natural Sciences and Engineering Research Council of Canada (NSERC).

Dr. Pinto's research interests in the field of chemical biology span the study of conformational effects and molecular mimicry, the development of NMR/molecular dynamics protocols for the study of bioactive ligand conformations when bound to proteins, the synthesis of enzyme inhibitors as agents against Type-2 diabetes and related metabolic disorders, viruses, and mycobacteria, and the development of bacterial vaccines. He has published 225 papers. Underscoring Dr. Pinto's work is a dedication to revitalizing dialogue that advances scholarly inquiry through collaboration. Dr. Pinto's latest contributions are in the development of anti-influenza A agents, the control of intracellular trafficking of glycoproteins and surface expression of carbohydrates, and the control of enzyme activities of the intestinal enzymes responsible for the breakdown of starch and sucrose. The last contribution has led to strategies for the controlled release of glucose and also an understanding of the requirements for enzyme replacement therapy in treating metabolic disorders.

SELECTED HONOURS & AWARDS

- Fellow, Royal Society of Canada
- Fellow, Chemical Institute of Canada
- Montreal Medal (2014)
- Alfred Bader Award (2013)
- R.U. Lemieux Award (2012)
- Frontiers of Research Award (2005)
- Bernard Belleau Award (2002)
- Merck Frosst Award (1993)
- Horace S. Isbell Award (1992)