

J.K.N. JONES

John Kenyon Netherton Jones obtained his Ph.D. at Birmingham University. He was hired as an assistant lecturer and then lecturer at Bristol University 1936-1944, where he 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 University 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 these students 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

2022 • *S. Cairns*

2021 • *D. C. Robinson*

2021 • *Vy. Dong*

2020 • *P. Ayers*

2018 • *T.F. Miller III*

2017 • *J. Bode*

2016 • *F. Winnik*

2015 • *M. Pinto*

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*



Department of Chemistry Queen's University

is honoured to host the
2023 Jones Lecturer:

Bernie Kraatz

University of Toronto



"Beyond Peptide Materials:
Aerogel Composites for the
Electrochemical Reduction of
CO₂"

Friday, October 13, 2023

11:30 a.m.

Chernoff Hall, Room 117

PROFESSOR BERNIE KRAATZ



Bernie Kraatz

Department of Physical and Environmental Sciences
University of Toronto Scarborough
1265 Military Trail
Toronto, Ontario, Canada

Professor Bernie Kraatz is a Professor of Chemistry at the University of Toronto. He is recognized for his research on peptide biomaterials and oligonucleotide-modified surfaces and the exploitation of bioconjugates as part of electrochemical biosensor platforms and multifunctional sensor arrays. Together with his research team, his current research efforts focus on discovery-based research towards the design of functional and stimuli-responsive peptide gel materials and metal aerogels for carbon dioxide reduction.

Bernie studied chemistry at the Universität Düsseldorf (Germany) at the University of Kent at Canterbury (United Kingdom) and before embarking on his Ph.D. studies at the University of Calgary, where he received his PhD in 1993. After postdoctoral research studies with Rinaldo Poli (U Maryland, USA) and David Milstein (Weizmann Institute of Science, Israel), he returned to Canada. He accepted a position at the National Research Council of Canada, followed by an appointment as Assistant Professor at the University of Saskatchewan in 1998. In 2007, he moved to Western University, and in 2011 accepted a position as Professor of Chemistry at the University of Toronto. In 2012, he became Head of the Department of Physical and Environmental Sciences, followed becoming Vice-Principal Research at the University of Toronto Scarborough in 2016.

Bernie work has received a number of awards and recognitions, including the PetroCanada Young Innovator Award (2000), the Canadian Research Chair in Biomaterials (2001), and the Award in Pure or Applied Inorganic Chemistry (2006) and the Rio Tinto Alcan Award (2017), both from the Canadian Society for Chemistry. He received the Florence Bucke Science Prize (Western U, 2009) and became Faculty Scholar and a Distinguished Research Professor (Western U, 2010). In 2015, he was awarded the Principal's Research Award (U of T). Since 2018, Bernie has been a member of the Biological and Chemical Defence Review Committee of Canada, an arm's length committee providing an independent review of the Biological and Chemical Defence research, development and training activities undertaken by the Department of National Defence and the Canadian Armed Forces (bcdrc.ca).

SELECTED HONOURS & AWARDS

- 2019 Fellow of the Royal Society of Canada
- 2018 Robert and Maude Gledden Senior Visiting Fellow, U Western Australia
- 2017, 2021 IRTG Visiting Professor, Universität Münster
- 2017 Rio Tinto Alcan Award (CSC)
- 2015 Principals Research Award, U of T
- 2010 Distinguished Research Professor
- 2010 Faculty Scholar, Western U
- 2010 Visiting Professor, University of Bochum, Germany
- 2009 Florence Bucke Science Prize, Western U
- 2006-2011 Guest Professor at Central South University, Changsha, China
- 2006 CSC Award for Pure or Applied Inorganic Chemistry
- 2004 Senior Gledden Fellowship, U Western Australia
- 2001 Canada Research Chair in Biomaterials
- 2001 PetroCanada Young Innovator Award