

G. B. FROST MEMORIAL LECTURE

The Grenville Frost Visiting Lectureship in Chemistry was established in 1966 by a bequest from the estate of the Honourable Leslie M. Frost, Premier of Ontario, in memory of his brother, Grenville. This fund is used to invite a Visiting Lecturer to Queen's.

Grenville Frost completed his education at the University of Toronto and, after graduating, went on to the University of California where he worked under the famous G.N. Lewis. Dr. Frost was appointed Lecturer at Queen's in 1924 and Full Professor in 1944. He became Head of the Department of Chemistry in 1956 and served in this post until retirement in 1961.

Dr. Frost was also the Supervisor to H.G. McAdie, who was the first Ph.D. Graduate in the Department of Chemistry

SELECTED RECENT PUBLICATIONS

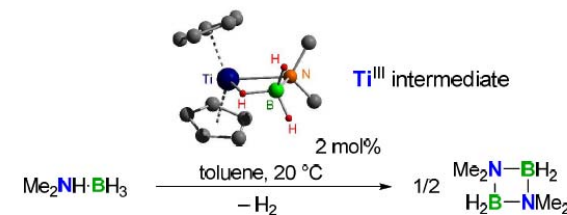
- Transmetalation in Suzuki-Miyaura Coupling: The Fork in the Trail, Alastair J. J. Lennox and Guy C. Lloyd-Jones, *Angew. Chem. Int. Ed.*, 52, 7362-7370, 2013
- Gold-Catalyzed Direct Arylation, Liam T Ball, Guy C Lloyd-Jones and Christopher A. Russell, *Science*, 337m 1644-1648, 2012
- The Mechanism of Metal-Free Hydrogen Transfer Between Amine-boranes and Aminoboranes, E. Leitao, N. Stubbs, A. Robertson, H. Helten, R. J. Cox, G. C. Lloyd-Jones, and I. Manners, *J. Am. Chem. Soc.*, 134, 16805-16816, 2012
- Switching Pathways: Room Temperature Neutral Solvolysis and Substitution of Amides, Marc Hutchby, Chris E. Houlden, Mairi F. Haddow, Simon N. G. Tyler, Guy C. Lloyd-Jones and Kevin I. Booker-Milburn, *Angew. Chem. Int. Ed.*, 51, 548-551, 2012
- The Even-Handed Approach: Strategies for the Deployment of Racemic Chiral Catalysts, Louise A. Evans, Neil S. Hodnett and Guy C. Lloyd-Jones, *Angew. Chem. Int. Ed.*, 51, 5126-5133, 2012
- Aryl Trifluoroborates in Suzuki-Miyaura Coupling: The Roles of Endogenous Aryl Boronic Acid and Fluoride, Mike Butters, Jeremy N. Harvey, Jesús Jover, Alastair J. J. Lennox, Guy C. Lloyd-Jones and Paul M. Murray, *Angew. Chem. Int. Ed.*, 49, 5156-5160, 2010
- Hindered Ureas as Masked Isocyanates: Facile Carbonylation of Nucleophiles under Neutral Conditions, M. Hutchby, C. E. Houlden, J. G. Ford, S. N. G. Tyler, M. R. Gagné, G. C. Lloyd-Jones and Paul M. Murray, *Angew. Chem. Int. Ed.*, 48, 8731-8724, 2009



Department of Chemistry
Queen's University

is honoured to host the
2014 Frost Lecturer:

Dr. Guy Lloyd-Jones
University of Edinburgh
Scotland



"Cats and Dogma"

Friday, January 10, 2014
11:30 AM
Room 117, Chernoff Hall

DR. GUY LLOYD-JONES



Guy Lloyd-Jones

Forbes Chair of Organic Chemistry
School of Chemistry,
University of Edinburgh
Edinburgh, Scotland

Guy Lloyd-Jones received a B.Sc. in Applied chemistry from the now University of Huddersfield in 1989, and a D. Phil. in 1992 from Oxford working with John Brown. Following a postdoctoral research period as a Royal Society European PDF with Andreas Pfaltz in Basel, he moved on to Bristol University as a lecturer in 1996. He was promoted to Full Professorship at Bristol in 2003, and became Head of Organic and Biological Chemistry there in 2012. In mid 2013, Guy moved to the University of Edinburgh as the Forbes Chair of Organic Chemistry.

Professor Lloyd-Jones has research interests that cover a broad swath of organic and inorganic chemistry including mechanistic aspects of transition metal chemistry, stoichiometric organometallic reagents of B, Li, In and Ga, coordination chemistry ligand design and aryl sulphate and thiocarbamate rearrangements. His work is supported through physical organic methodologies such as isotopic labelling, kinetics and NMR.

The results of this research have been reported in over 125 peer reviewed articles in prestigious journals and also disseminated in over 180 invited and contributed talks. The research has also been recognized through several awards such as election as a Fellow of the Royal Society in 2013, the Royal Society of Chemistry 2013 Physical Organic Chemistry Medal, Ingold Lectureship, the GSK/AZ/Pfizer/Syngenta UK Prize for Process Chemistry Research 2010, the Royal Society Wolfson Research Merit Award 2008-2013, the Royal Society of Chemistry, Organic Reaction Mechanisms Prize in 2007 and the AstraZeneca Academic Prize in Organic Chemistry as well as the Royal Society of Chemistry Corday Morgan Medal in 2003.

Along with his research program, Professor Lloyd-Jones is an active contributor to the chemical community through reviewing for various journals, membership on several editorial boards (Synthesis, Synlett, European Journal of Organic Chemistry and Beilstein Journal of Organic Chemistry) and as Editor in Chief of the Journal of Molecular Catalysis A. He is the Chair of the RSC's Physical Organic Chemistry Group, and consults for several industrial firms such as AstraZeneca (UK), Syngenta (UK), Pfizer (UK and Erie) and Cambridge Display Technologies (UK).

Prof. Lloyd-Jones is married to Kathryn, lives in Edinburgh and in the Cotswolds, and enjoys fly-fishing for Salmon on the River Spey (Castle Grant Beats 1 & 2) and the River Wye (Bigswear Beat). More information can be found at <http://www.lloyd-jones.chem.ed.ac.uk/lloyd-jones.shtml>.

SELECTED HONOURS & AWARDS

- 2013 Fellow of the Royal Society
- 2013 Royal Society of Chemistry Physical Organic Chemistry Medal
- Ingold Lectureship
- 2010 GSK/AZ/Pfizer/Syngenta UK Prize for Process Chemistry Research
- 2008-2013 Royal Society Wolfson Research Merit Award
- 2007 Royal Society of Chemistry Organic Reaction Mechanisms Prize
- 2003 AstraZeneca Academic Prize in Organic Chemistry
- 2003 Royal Society of Chemistry Corday Morgan Medal