

JOHN A. MCRAE

Dr. John Alexander McRae, M.A. (Queen's), Ph.D., D.Sc. (Manchester), LL.D. (Queen's), F.R.I.C., F.R.S.C., was Head of the Department of Chemistry from 1941 to 1956 and member of the chemistry staff for 44 years. After retiring, Dr. McRae was Emeritus Professor of Chemistry until his death in 1960.

Dr. McRae graduated from Queen's University with an M.A. in 1909 and joined the University as a lecturer this same year. From 1910 to 1911, he was a lecturer at the University of Toronto, returning to Queen's the following year. With the exception of the years 1919-1921, during which he attended Manchester University to obtain his Ph.D. and D.Sc., he carried out the remainder of his career at Queen's.

John McRae was elected a Fellow of the Royal Society of Chemistry in 1938 and was a fellow of the Royal Institution of Chemistry and of the Chemical Institute of Canada. After retiring in 1956, Dr. McRae was honoured with a degree of Doctor of Laws from Queen's.

The McRae memorial lectures were established by donations from former students, with the first J.A. McRae Memorial lecture being given by R.H.F. Manske in 1964.

SELECTED RECENT PUBLICATIONS

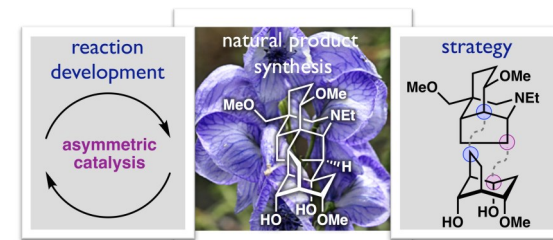
- Farney, E. P.; Feng, S.; Schäfers, F.; Reisman, S. E. "Total Synthesis of (+)-Pleuromutilin." *J. Am. Chem. Soc.* **2018**, *140*, 1267.
- Poremba, K. E.; Kadunce, N. T.; Suzuki, N.; Cherney, A. H.; Reisman, S. E. "Nickel-Catalyzed Asymmetric Reductive Cross-Coupling to Access 1,1-Diarylalkanes." *J. Am. Chem. Soc.* **2017**, *139*, 5684.
- Xu, C.; Han, A.; Virgil, S. J.; Reisman, S. E. "Chemical Synthesis of (+)-Ryanodine and (+)-20-Deoxyspiganthine." *ACS Cent. Sci.* **2017**, *3*, 278.
- Chapman, L. M.; Beck, J. C.; Wu, L.; Reisman, S. E. "Enantioselective Total Synthesis of (+)-Psiguadial B." *J. Am. Chem. Soc.* **2016**, *138*, 9803.
- Chuang, K. V.; Xu, C.; Reisman, S. E. "15-Step Synthesis of Ryanodol." *Science*, **2016**, *353*, 912.



Department of Chemistry Queen's University

is honoured to host the
2019 McRae Lecturer:

Prof. Sarah E. Reisman
California Institute of
Technology
Division of Chemistry and
Chemical Engineering



"Necessity is the Mother of
Invention: Natural Products and
the Chemistry They Inspire"

Friday, January 25, 2019
11:30 AM
Room 117, Chernoff Hall

PROFESSOR SARAH E. REISMAN



Sarah E. Reisman

California Institute of Technology
Division of Chemistry and Chemical Engineering
1200 E. California Blvd, MC 101-20
Pasadena CA 91125

Dr. Sarah E. Reisman earned a BA in Chemistry from Connecticut College in New London, CT, where she became interested in organic synthesis working in the laboratory of Prof. Timo Ovaska. In 2006, Sarah earned her Ph.D. in chemistry from Yale University, conducting research with Prof. John L. Wood in the area of natural product total synthesis. As an NIH post-doctoral fellow, Sarah pursued studies in the field of asymmetric catalysis working with Prof. Eric Jacobsen at Harvard University. In 2008, Sarah joined the faculty at the California Institute of Technology where she is now a Professor of Chemistry and a Heritage Principal Investigator. Her laboratory seeks to discover, develop, and study new chemical reactions within the context of natural product total synthesis. Prof. Reisman has been recognized with a number of awards for teaching and research, including an Alfred P. Sloan Research Fellowship, Arthur C. Cope Scholar Award, the Tetrahedron Young Investigator Award, the Novartis Early Career Award, and the Bristol-Myers Squibb Unrestricted Grant in Synthetic Organic Chemistry.

SELECTED HONOURS & AWARDS

- Alfred P. Sloan Research Fellowship
- Arthur C. Cope Scholar Award
- Tetrahedron Young Investigator Award
- Novartis Early Career Award
- Bristol-Myers Squibb Unrestricted Grant in Synthetic Organic Chemistry