

The 2012 Abbott  
Chemistry Lectures  
*April 26th & 27th,*  
*2012*



**Dr. Michael Ward**  
Professor of Chemistry and  
Director, Molecular Design Institute  
New York University

Michael D. Ward received his B.S. degree in Chemistry from the William Paterson College of New Jersey in 1977 and his Ph.D. degree at Princeton University in 1981. He was a Welch postdoctoral fellow at the University of Texas, Austin, between 1981 and 1982. He joined the research staff at Standard Oil of Ohio in Cleveland in 1982, and in 1984 he became a member of the research staff at the Dupont Central Research and Development Laboratories in Wilmington, Delaware. Ward joined the faculty of the Department of Chemical Engineering and Materials Science at the University of Minnesota in 1990, where he held a joint appointment in the Department of Chemistry. Ward was named a Distinguished McKnight University Professor in 1999, and he was the Director of the University of Minnesota Materials Research Science and Engineering Center (MRSEC) from 1998 – 2005.

He moved to New York University in 2006 to create the Molecular Design Institute within the Department of Chemistry. In 2008, Ward and his NYU colleagues inaugurated the NSF-supported NYU Materials Research Science and Engineering Center, of which he is the Director. He was appointed as a Silver Professor by NYU in 2008 and Chair of the Department of Chemistry in 2009. Ward also has served as an Editor for the ACS journal Chemistry of Materials since 1998. He is a Fellow of the Materials Research Society, the American Chemical Society, and the American Association for the Advancement of Science. His current research interests include organic solid-state chemistry, crystal engineering, functional organic materials, crystallization, polymorphism, the role of biominerals in biomedicine and disease, organic epitaxy, and atomic force microscopy.

Thursday, April 26<sup>th</sup>, 7:00 PM

Abbott Hall Room 101

*"The Rapidly Changing Face of Scientific Publication."*

Friday, April 27<sup>th</sup>, 12:00 PM

Abbott Hall Room 138

*"Pathological Crystallization: Kidney Stones  
and Pathways to Therapies by Molecular Design."*

## George A. Abbott, 1874-1973



Dr. George Alonzo Abbott, Professor Emeritus at the University of North Dakota, had a long and fruitful career of service to the State of North Dakota and the science of Chemistry. He was born July 7, 1874, in Alma, Illinois. Dr. Abbott received both the B.S. and M.A. pro merito from DePauw University. From 1896 until 1904 he taught chemistry in high schools in Evansville, Indiana; Duluth, Minnesota; and Indianapolis, Indiana. In 1903, through a contact with Professor Talbot, he received the Austen Research Fellowship at Massachusetts Institute of Technology. Under the guidance of A. A. Noyes, Professor of Physical Chemistry at M.I.T., he received the Ph.D. in 1908. In this first class of doctorates in chemistry were such notables as Edward Washburn, Charles Kraus and Richard Tolman. Dr. Abbott joined the chemistry staff of the North Dakota Agricultural College (North Dakota State University) in 1909. In 1910 he was appointed Professor and Chairman of the Department of Chemistry at the University of North Dakota. His devotion to teaching and the application of chemistry for the betterment of North Dakota was one of his outstanding contributions. His interests in quality water and in natural products such as lignite, for which North Dakota is recognized, gave him national recognition. For half a century he was the only toxicologist in a wide area of the upper midwest. He found time to do a weekly radio program "Science from the Sidelines" which was broadcast for over twenty years. Professor Abbott was a founder and charter member of the North Dakota Academy of Science. He was a member of the Red River Valley Section of the American Chemical Society, a Fellow of the American Institute of Chemists, member of Sigma Xi, and a charter member of the University of North Dakota Phi Beta Kappa chapter. Dr. Abbott retired from administration in 1948 and from teaching in 1952. He continued toxicological work until 1970.

The George A. Abbott Lectureship was established by gifts from the University of North Dakota Alumni.

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