

Previous Max T. Rogers Distinguished Lecturers

1949	<i>M. A. Lauffer</i>	1980	<i>Ronald Breslow</i>
1950	<i>Milton Burton</i>	1981	<i>Henry Taube*</i>
1951	<i>Melvin S. Newman</i>	1982	<i>R. A. Marcus*</i>
1952	<i>Harvey Diehl</i>	1983	<i>Berni J. Alder</i>
1953	<i>Melvin Calvin*</i>	1984	<i>K. Neil Bartlett</i>
1954	<i>Richard Dodson</i>	1985	<i>Jean-Marie Lehn*</i>
1955	<i>Leon Marion</i>	1986	<i>J. Calvin Giddings</i>
1956	<i>Joseph J. Katz</i>	1987	<i>Harry B. Gray</i>
1957	<i>I. M. Klotz</i>	1988	<i>Thomas C. Bruice</i>
1958	<i>John D. Roberts</i>	1989	<i>Richard N. Zare</i>
1959	<i>Henry Eyring</i>	1990	<i>Ahmed H. Zewail*</i>
1960	<i>Herbert A. Laitinen</i>	1991	<i>John A. Pople*</i>
1961	<i>George Watt</i>	1992	<i>Gerhard L. Closs</i>
1962	<i>Derek H. R. Barton*</i>	1993	<i>John Bercaw</i>
1963	<i>Peter J. W. Debye*</i>	1994	<i>Jerrold Meinwald</i>
1964	<i>Charles Tanford</i>	1995	<i>Martin Karplus</i>
1965	<i>E. J. Corey*</i>	1996	<i>Paul C. Lauterbur*</i>
1966	<i>Manfred Eigen*</i>	1997	<i>Graham R. Fleming</i>
1967	<i>Ronald S. Nyholm</i>	1998	<i>Alexander Pines</i>
1968	<i>Herbert C. Brown*</i>	1999	<i>Dudley R. Herschbach*</i>
1969	<i>Harden M. McConnell</i>	2000	<i>Keith U. Ingold</i>
1970	<i>F. Albert Cotton</i>	2001	<i>Peter B. Moore</i>
1971	<i>Carl Djerassi</i>	2002	<i>Michael J. Sailor</i>
1972	<i>Linus Pauling*</i>	2003	<i>Robert Tycko</i>
1973	<i>Paul D. Bartlett</i>	2004	<i>John C. Polanyi*</i>
1974	<i>Gerhard Herzberg*</i>	2005	<i>A. Paul Alivisatos</i>
1975	<i>William N. Lipscomb*</i>	2006	<i>R. Graham Cooks</i>
1976	<i>Leslie E. Orgel</i>	2007	<i>Sir John Meurig Thomas</i>
1977	<i>Roald Hoffmann*</i>	2008	<i>Donald G. Truhlar</i>
1978	<i>William P. Jencks</i>	2009	<i>Chad A. Mirkin</i>
1979	<i>Ilya Prigogine*</i>		

* Nobel Laureates

The Max T. Rogers Lectureship Series in Chemistry Michigan State University

The Michigan State University Department of Chemistry has helped sponsor an annual lecture series that brings world-renowned scientists to the campus each year. The lecture series was co-sponsored by the Renaud Foundation for 39 years, and hence, traditionally became known as the Renaud Lecture Series. Although the philanthropic trust of the Renaud Foundation was liquidated, the Chemistry Department has continued this prestigious series of lectures.

An anonymous donor has helped spark widespread support for the Lecture Series in the name of Max T. Rogers. Dr. Rogers, a physical chemist who served as Professor of Chemistry at Michigan State University for over 40 years, was a special member of the Department of Chemistry and the University. His outstanding contributions in the area of magnetic resonance spectroscopy, and his enlightened view of science, added prestige and distinction to the Department of Chemistry and the University community. It is a privilege for the MSU Department of Chemistry to continue the lecture series in the name of Professor Max T. Rogers.

MAX T. ROGERS DISTINGUISHED LECTURESHIP

Presents

Professor Ann E. McDermott

**Esther Breslow Professor of
Biological Chemistry**

**Department of Chemistry and
Department of Biological Sciences**

**Columbia University
New York, NY**

**4:10 pm
Wed., January 12, 2011
and
Thurs., January 13, 2011**

Lecture Topics

Wednesday, January 12, 2011

“Shifting Shapes - How to See a Protein’s Moves”

4:10 pm, Room 138

Chemistry Building - MSU



Thursday, January 13, 2011

“Choreography of an Ion Channel in a Bilayer Membrane: An NMR Study of KcsA”

4:10 pm, Room 136

Chemistry Building - MSU

Ann McDermott is the Esther Breslow Professor of Biological Chemistry at Columbia University, appointed in both the Chemistry Department and the Department of Biological Sciences. She has a B.Sc. in Chemistry from Harvey Mudd College, where she carried out research in physical organic chemistry with Philip Myhre, and a Ph.D. in Chemistry from U.C. Berkeley, where she worked with Kenneth Sauer and Melvin Klein, carrying out spectroscopic studies of the photosynthetic reaction centers of green plants. She carried out postgraduate work at MIT with Dr. Robert Griffin studying Nuclear Magnetic Resonance, and at the Tropical Medicine Institute of the ULB in Brussels, Belgium.

Her research at Columbia University concerns understanding the remarkable ability of naturally occurring proteins to catalyze chemical reactions; she studies the structure and inherent flexibility of these proteins using magnetic resonance methods, as well as the implications of these motions for drug discovery and biologically based solar energy conversion. On the basis of this research, she is the recipient of the Pure Award in Chemistry (1996) and the Eastern Analytic Symposium Award for Achievement in Magnetic Resonance (2005), and she is an elected member of both the American Academy of Arts and Sciences, and the National Academy of Sciences. Her research group has been supported by the National Institutes of Health, the National Science Foundation, the Department of Energy, the Sloan Research Foundation and the Cottrell Research Foundation. Her former students and postdoctoral coworkers are on the faculty of University of Illinois, University of Delaware, Texas A&M University, Tel Aviv University, Georgetown University, George Washington University, and others. She is the author or coauthor of over 100 peer-reviewed publications. At Columbia University she recently served as Associate Vice President for Academic Advising and Science Initiatives in the Arts and Sciences, and she teaches in both the graduate biophysics and the undergraduate chemistry programs.