

MAX T. ROGERS
 DISTINGUISHED LECTURESHIP

Presents
Professor
Chad A. Mirkin

 Director, International Institute
 for Nanotechnology,
 George B. Rathmann Professor of
 Chemistry,
 Professor of Medicine,
 and
 Professor of Materials Science
 and Engineering,
 Northwestern University
 Evanston, Illinois

 4:10 pm
 Mon., April 27, 2009
 and
 Tues., April 28, 2009

Previous Max T. Rogers
Distinguished Lecturers

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

* Nobel Laureates

The Max T. Rogers
Lecture 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.

Lecture Topics

Monday, April 27, 2009

**“Programming Materials
Synthesis with DNA:
Application in
Biology and Medicine”**

4:10 pm, Room 138
Chemistry Building - MSU

Tuesday, April 28, 2009

**“Anisotropic Nanostructures —
Building Valency
into Nanoparticles”**

4:10 pm, Room 136
Chemistry Building - MSU



Professor Chad A. Mirkin is the Director of the International Institute for Nanotechnology, the George B. Rathmann Professor of Chemistry, Professor of Medicine, and Professor of Materials Science and Engineering.

A chemist and a world renowned nanoscience expert, Professor Mirkin is known for his development of nanoparticle-based biodetection schemes, the invention of Dip-Pen Nanolithography, and contributions to supramolecular chemistry. He is the author of over 360 manuscripts and over 350 patents and applications, and the founder of two companies, Nanosphere and Nanolink, which are commercializing nanotechnology applications in the life science and semiconductor industries. At present, he is listed as one of the top 10 most-cited chemists in the world, and is the top most-cited nanomedicine researcher in the world.

Dr. Mirkin has been recognized for his accomplishments with over 50 national and international Awards. These include the Havinga Medal, Gustavus John Esselen Award, Biomedical Engineering Society's Distinguished Achievement Award, Department of Defense NSSEFF Award, Pittsburgh Analytical Chemistry Award, ACS Inorganic

Nanoscience Award, iCON Innovator of the Year Award, a NIH Director's Pioneer Award, the Collegiate Inventors Award, National Inventors Hall of Fame (2002, 2004), an Honorary Doctorate Degree from Dickinson College, the Pennsylvania State University Outstanding Science Alumni Award, the ACS Nobel Laureate Signature Award for Graduate Education in Chemistry, a Dickinson College Metzger-Conway Fellowship, the 2003 Raymond and Beverly Sackler Prize in the Physical Sciences, the Feynman Prize in Nanotechnology, the Leo Hendrick Baekeland Award, Crain's Chicago Business "40 under 40 Award," the Discover 2000 Award for Technological Innovation, I-Street Magazine's Top 5 List for Leading Academics in Technology, the Materials Research Society Young Investigator Award, the ACS Award in Pure Chemistry, the PLU Fresenius Award, the Harvard University E. Bright Wilson Prize, the BF Goodrich Collegiate Inventors Award, the Camille Dreyfus Teacher-Scholar Award, the Alfred P. Sloan Foundation Award, the DuPont Young Professor Award, the NSF Young Investigator Award, the Naval Young Investigator Award, the Beckman Young Investigator Award, and the Camille and Henry Dreyfus Foundation New Faculty Award.

He is a Member of the National Academy of Engineering and a Fellow of the American Association for the Advancement of Science. Dr. Mirkin has served on the Editorial Advisory Boards of over twenty scholarly journals. At present he is a member of the Editorial Advisory Boards of *Accounts of Chemical Research*, *Advanced Materials*, *Angewandte Chemie*, *BioMacromolecules*, *Macromolecular Bioscience*, *SENSORS*, *Encyclopedia of Nanoscience and Nanotechnology*, *Chemistry-A European Journal*, *Chemistry & Biology*, *Nanotechnology Law & Business*, *The Scientist*, *Journal of Materials Chemistry*, and *Journal of Cluster Science*, *Plasmonics*. He is the founding editor of the journal *Small*, one of the premier international nanotechnology journals, and he has coauthored two bestselling books on nanobiotechnology.

Dr. Mirkin holds a B.S. from Dickinson College (1986, elected into Phi Beta Kappa) and a Ph.D. in chemistry from the Pennsylvania State University (1989). He was an NSF Postdoctoral Fellow at the Massachusetts Institute of Technology prior to becoming a chemistry professor at Northwestern University in 1991.