

**Mid-Hudson Chemist**  
**American Chemical Society**  
**Department of Chemistry**  
**SUNY New Paltz**  
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**The March/April 2006 issue of the Mid-Hudson Chemist will be available ONLY on the Section's website, at <http://www.midhudsonacs.org>.** When the issue is available, a message will be sent to the listserv.

The Mid-Hudson Section does not automatically subscribe members to its listserv. To add your e-mail address, you must send an e-mail message to [listserv@acc.msmc.edu](mailto:listserv@acc.msmc.edu) with a blank subject line and the following command in the body of your message:

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Don't miss the next issue of the Mid-Hudson Chemist! Subscribe now!

## Science Policy: Chemistry and Nuclear Waste Disposal

Dr. Douglas J. Raber  
GreenPoint Science

Wednesday, March 15, 2006  
Orange County Community College  
Middletown  
Refreshments: 6:15 PM  
Lecture: 7:00 PM  
(Room TBA)\*

\* Room to be announced on the Mid-Hudson ACS listserv and at [www.midhudsonacs.org](http://www.midhudsonacs.org).  
Contact Tim MacMahon (OCCC) at 845-341-4575 or by e-mail at [tmacmaho@sunyorange.edu](mailto:tmacmaho@sunyorange.edu).

**About the lecture:** Soon after the end of World War II, peaceful uses of atomic energy became a major thrust of scientific endeavor around the world. At present, the world derives 16 percent of its electricity from nuclear power, mainly in industrialized countries. The level is 20 percent in the United States and 75 percent in France. Concerns about safety in the nuclear power industry have been a source of continuing controversy for many years, and the single most important challenge in this area is what to do with nuclear waste. The spent nuclear fuel from a reactor is highly radioactive and will remain so for an extremely long time. The potential for release of radioactive material into the environment is strongly coupled to the chemical properties of the waste material, so many of the problems and many of the potential solutions are chemical in nature. This talk will present issues in current national policy and will discuss the interplay between science and policy, using several National Research Council studies to illustrate the complexity of the problem. How is scientific input obtained? How is it utilized? Does it receive the respect that it deserves? And what can you do to improve the situation?

**About the speaker:** Dr. Raber is a science policy consultant with GreenPoint Science, which he formed in 2004. Previously, he served for thirteen years as Director and then Senior Scholar of the Board on Chemical Sciences and Technology at the National Academy of Sciences and its operating arm, the National Research Council (NRC). Before joining the NRC in 1989, he was a member of the faculty of the University of South Florida from 1970 to 1990, publishing some 70 research articles. Dr. Raber is active in ACS governance, serving recently on the C&EN Advisory Board, the Committee on Chemistry and Public Affairs, and the Committee on Science (which he previously chaired). He recently completed several terms as the Secretary of the U.S. National Committee for IUPAC and currently serves as Chair of the Chemical Technology Operating Council of the AIChE. Dr. Raber's responsibilities at the NRC centered on organizing and directing science and science policy studies, particularly in the areas of federal policy and its interrelationships with the chemical sciences. These efforts resulted in more than 50 reports and monographs that provide technical policy guidance on topics that encompass R&D opportunities, laboratory safety and management, nuclear waste disposal, and the threat of terrorism.

**Directions:** From Rte. 17M West in Middletown turn left onto Fulton Street. Turn left onto Wawayanda Ave. Turn left onto Grandview Ave. Enter parking lot on right. For complete directions and campus map, visit <http://www.sunyorange.edu/aboutus/directions/index.shtml>.

## Nanoscale Building Blocks for Mesoscopic Materials

Dr. Tom Mallouk  
Pennsylvania State University

Monday, March 20, 2006  
IBM\*  
Refreshments: 6:15 PM  
Lecture: 7:00 PM

\*Registration is required for this talk.  
Contact Charles Davis (IBM) at 845-892-9570 or by e-mail at [cdavis@us.ibm.com](mailto:cdavis@us.ibm.com) by March 13. Photo ID must be presented at the site. Room information and directions will be provided to all registered attendees.

**About the speaker:** Dr. Mallouk is the DuPont Professor of Materials Chemistry and Physics and the Director of the Center for Nanoscale Science at Penn State. His research focuses on the assembly of nanoscale materials and their applications to interesting problems in chemistry, including photocatalysis, molecular electronics, environmental remediation, fuel cell electrochemistry, chemical sensing, and catalytically driven movement.

### 2006 Executive Committee:

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*Mid-Hudson Chemist* Editor/Publisher: Gissel Mentore

## Mechanism of Oxidation of DNA by Pt(IV) Complexes

Dr. Sunhee Choi  
Department of Chemistry and Biochemistry  
Middlebury College

Friday, March 31, 2006  
Vassar College  
Refreshments: 6:15 PM  
Lecture: 7:00 PM  
Mudd Chemistry Building  
(Room TBA)\*

\*Room to be announced on the Mid-Hudson ACS listserv and at [www.midhudsonacs.org](http://www.midhudsonacs.org).  
Contact Joe Tanski (Vassar) at 845-437-7503 or by e-mail at [jotanski@vassar.edu](mailto:jotanski@vassar.edu).

**About the lecture:** Platinum complexes are biologically important for their anticancer activities. The interaction of DNA with Pt<sup>II</sup> complexes has been extensively studied by many research groups. Pt<sup>IV</sup> complexes are kinetically inert and their reaction with DNA was not generally expected. However, Dr. Choi's research has shown that Pt<sup>IV</sup> complexes with highly electron-withdrawing and bulky ligands have high reduction potentials and high reactivity toward 5'-dGMP. Furthermore, a Pt<sup>IV</sup> complex, *trans*-Pt(*d,l*)(1,2-(NH<sub>2</sub>)<sub>2</sub>C<sub>6</sub>H<sub>10</sub>)Cl<sub>2</sub>, [Pt<sup>IV</sup>Cl<sub>2</sub>(dach)], which has a high reduction potential, oxidizes 5'-dGMP, 3'-dGMP and 5'-d[GTTTT]-3'. Kinetic studies and the proposed mechanism will be discussed.

**About the speaker:** Dr. Sunhee Choi is Professor of Chemistry and Biochemistry at Middlebury College in Vermont. Dr. Choi received a B.A. degree from Seoul National University in 1973 and went on to receive a master's degree in Physical Chemistry at the Korean Advanced Institute of Science in 1975. She earned her Ph.D. in Physical Chemistry at Princeton University in 1982 in the laboratory of Professor Thomas G. Spiro. After her Ph.D. she became an industrial chemist at Colgate-Palmolive where she was awarded the Colgate Presidential Award for Technical Excellence and obtained a U.S. Patent for cold water detergency. In the fall of 1987, she joined the faculty at Middlebury. Dr. Choi is active in research in metals in biological system with many of her undergraduate colleagues. Her research has been funded from a variety of sources such as the National Institutes of Health, National Science Foundation, Petroleum Research Fund, Research Corporation, and Vermont-EPSCOR.

**Directions:** Vassar College is located off Raymond Avenue in Poughkeepsie, NY. Refer to the following link for driving directions and campus map: <http://www.vassar.edu/directions/>. Enter the Main Entrance of the campus on Raymond Avenue and go right towards the Mudd Chemistry Building. The Security Guard at the Main Entrance will direct you to parking.

## Plants as a Source of Drugs

Dr. Ralph N. Blomster  
University of Maryland at Baltimore

Monday, April 10, 2006  
SUNY New Paltz  
Refreshments: 6:15 PM  
Lecture: 7:00 PM  
(Room TBA)\*

\* Room to be announced on the Mid-Hudson ACS listserv and at [www.midhudsonacs.org](http://www.midhudsonacs.org).  
Contact Dan Freedman (SUNY New Paltz) at 845-257-3795 or by e-mail at [freedmad@newpaltz.edu](mailto:freedmad@newpaltz.edu).

**About the lecture:** It is remarkable to what a large extent medicinal treatment for many centuries rested on the use of plants. Plants have given the field of medicine many useful drugs; such pharmacological phenotypes as digitalis, cinchona, ergot, and opium, to mention a few. Humankind's first investigation of the plant kingdom was prompted by a dependence on plants as a source of food. From varied observations of the effects of plants on themselves, human use of plants in arrow and weapon poisons, as hallucinogens, and medicaments slowly evolved. In the early days, witch doctors, apothecaries, and physicians used plants to treat disease, elevate mood, and relieve pain. As the art of chemistry evolved, humans learned to isolate the pure chemicals that caused the medicinal effect and to use them. Opium yielded codeine and morphine to relieve pain, and digitalis provided digitoxin for the heart. Ergot made available ergonovine and ergotamine for migraine and childbirth and, paradoxically, the synthetic LSD as a hallucinogen. The presence of such a wide and diversified group of compounds has prompted the search of plants for new narcotics, heart drugs, and psychoactive and anticancer compounds. Although many drugs are produced synthetically, natural products have served as the molecular model for their starting point. Today, some 40% of all prescriptions include compounds of natural origin. Many diseases still cannot be effectively treated with current therapy. How does one find effective agents for these diseases? Plants contain many more compounds than chemists can synthesize. The more than 250,000 uninvestigated higher plant species on the face of the Earth are a source of potential new and effective drugs. However, in the face of the destruction of the Amazon rain forest, time grows short.

**About the speaker:** Dr. Blomster received a B.S. degree in 1953 from Massachusetts College of Pharmacy and a master's degree in 1958 from the University of Pittsburgh. He earned his Ph.D. in 1963 from the University of Connecticut and was a member of the faculty at the University of Pittsburgh until 1968. Dr. Blomster then joined the faculty at the University of Maryland at Baltimore, where he was Professor and Chairman of the Department of Pharmacognosy (1968-1979), Professor and Chairman of the Department of Medicinal Chemistry/Pharmacognosy (1979-1989), and Professor in the Department of Biomedical Chemistry (1989-1996). Dr. Blomster is presently professor emeritus in the Department of Pharmaceutical Sciences. Areas of research interest include phytochemistry, medicinal folklore evaluation, phytochemical screening, collection and extraction of native plants for biological testing, indexing, storage and retrieval of phytochemical literature, drug plant exploration in primitive geographic areas, plant tissue culture and biotransformations.

**Directions:** Take I-87 to Exit 18 and turn left at the traffic light after the toll plaza (Rte. 299). From Rte. 299, turn left at the third traffic light onto S. Manheim Blvd. (Rte. 32 South). Turn right onto Mohonk Ave. East. For complete directions and campus map, visit <http://www.newpaltz.edu/about/directions.html>.

## 7<sup>th</sup> Annual ACS Undergraduate Chemistry Research Symposium

Wednesday, April 19, 2006

4:30 - 8:30 PM

Student Center, 2<sup>nd</sup> Floor of All-Campus Dining Center  
Vassar College

Poster Session: 4:30 – 6:00 PM

Dinner: 6:15 PM (reservations required)

Talk: 7:30 PM (open to all)

Guest Speaker: Dr. Jenny Glusker  
Fox Chase Cancer Center  
Philadelphia, PA

The Mid-Hudson Section of the American Chemical Society is pleased to announce the seventh annual Undergraduate Chemistry Research Symposium to be held at Vassar College on Wednesday, April 19, from 4:30 PM to 8:30 PM. The symposium provides a chance for area undergraduate students in the chemical sciences to present their research. All areas of chemistry, environmental science, molecular biology, and related fields are welcome. The poster presentations will be held from 4:30-6:00 PM, followed by a guest speaker at 7:30 PM.

**The Symposium:** The symposium will be held from 4:30 PM to 8:30 PM in the Student Center on the second floor of the All-Campus Dining Center (ACDC) at Vassar College. Set-up must be completed by 4:30 PM. As in previous years, all research will be presented as posters. To present a poster, please submit an abstract of 200 words or less. The format for the abstract should adhere as closely as possible to the following guidelines: 1) 12 point Times-Roman font, 2) One inch margins, 3) MS Word document, 4) The abstract title should be typed in capital letters, followed by the authors' names and institution name, institution address, and telephone number in lower case letters. Advisor's name should be followed by an asterisk (\*). **Please submit the abstract no later than Friday, April 7 by e-mail or diskette to Dr. Joe Tanski.** If you are unable to meet this deadline, please contact Dr. Tanski by phone or e-mail. Poster easels will be available for the first 35 participants; tables will also be available. Your poster should be self-supported on cardboard or posterboard backing. The standard size for ACS posters is 48 inches wide by 36 inches high. You will be contacted before the symposium to confirm acceptance of your abstract. Please note: there will be a \$25 conference fee per poster up to \$100 maximum per school. Please submit your abstract, via e-mail or diskette, to:

Dr. Joe Tanski

Department of Chemistry

Vassar College, Box 601

124 Raymond Avenue

Poughkeepsie, NY 12604

Phone: 845-437-7503

E-mail: jotanski@vassar.edu

**Dinner:** Please make reservations with Dr. Joe Tanski by **Friday, April 7**. Dinner will be at 6:15 PM in the same location, the Student Center (second floor) in the All-Campus Dining Center.

**Directions:** Vassar College is located off Raymond Avenue in Poughkeepsie, NY. Refer to the following link for driving directions and campus map: <http://www.vassar.edu/directions/>. Enter the Main Entrance of the campus on Raymond Avenue and go left to find the North Parking lot. The All-Campus Dining Center is adjacent to this lot. The Security Guard at the Main Entrance will direct you to parking. The Student Center is on the second floor of the All-Campus Dining Center.

## Call for Applications for 2006 Undergraduate Student Research Awards

The Mid-Hudson Section of the American Chemical Society invites applications for 2006 Undergraduate Research Awards from student researchers who plan to present their work at the 2006 undergraduate poster symposium. Three students will be selected to receive \$200 in awards. *Applications for research awards are not a requirement for attending and presenting at the poster symposium.*

### Rationale

The Mid-Hudson Section wishes to reward undergraduates who participate in good quality research and plan to present at the poster symposium by providing small grants to allow students to present at a regional or national conference.

### Criteria

Research work should be completed by a student currently enrolled (2005-2006 academic year) as an undergraduate at one of colleges in the Mid-Hudson ACS area. Students must plan to present their work at the 2006 Mid-Hudson ACS Undergraduate Research Poster Symposium.

### Application Procedure

Applicants must submit a short (2 page maximum) summary of their research work aimed at an audience with college level chemistry knowledge. Applicants should include a brief background, relevant results, and possible significance of the research to the wider community. The summary should be written in normal scientific format and divided into appropriate sections (Introduction, Experimental, Results and Discussion, Conclusion, Acknowledgements, and References). Applications should be sent along with the poster abstract to Dr. Joe Tanski (Vassar College, Box 601, 124 Raymond Ave, Poughkeepsie, NY 12604, e-mail: jotanski@vassar.edu) by April 7, 2006, preferably in electronic format (as a WORD document).



## American Chemical Society Mid-Hudson Section College Recognition Awards

The Mid-Hudson Section of the American Chemical Society is once again sponsoring the College Recognition Awards. The purpose of this award is to recognize achievement in the field of chemistry and to encourage further study in chemistry. One student from each college in the Mid-Hudson Section will be presented a certificate and cash award at the Undergraduate Research Symposium in April.

The chemistry faculty at each college should select one award winner on the basis of general excellence in chemistry. Four-year degree-granting colleges may wish to recognize a junior year student, while a community college may select a second-year student.

**Winner selections from the faculty should be submitted by April 1.** Please send the student's name, as well as the faculty advisor's name to Patti Cusatis by e-mail (patti.cusatis@cibasc.com).

## What You Always Wanted to Know About Chemicals in Foods but Were Afraid to Eat

Dr. Robert P. Bates  
University of Florida

Tuesday, May 9, 2006  
Mount Saint Mary College  
Refreshments: 6:15 PM  
Lecture: 7:00 PM  
(Room TBA)\*

\* Room to be announced on the Mid-Hudson ACS  
listserv and at [www.midhudsonacs.org](http://www.midhudsonacs.org).  
Contact Lynn Maelia (Mount Saint Mary) at 845-569-  
3131 or by e-mail at [maelia@msmc.edu](mailto:maelia@msmc.edu).

**About the lecture:** Foods are complex mixtures of chemicals, but with difference. There is a very important legal distinction between naturally occurring food constituents and other chemicals that end up in food by design or default. Conversely, the much more important matter, chemical compatibility, dictated by human physiology and nutritional biochemistry and vital to well-being, health, performance, and survival -- is often ignored or misinterpreted by vocal yet chemically illiterate groups. Despite considerable progress in understanding the science and technology of foods, culture and perception have a far greater influence upon food acceptance and regulation than the reality of nutrition and toxicology. Paradoxically, as science uncovers more about the complex interactions of foods with the human body, the less confident and more confused the public becomes regarding the safety, value, and nutritional efficacy of the U.S. food supply. Food additives and now phytochemicals are examples of food consumption concerns that should also stress total diet, lifestyle, and common sense. This presentation will deal with both essential and trivial food constituents and emphasize some of the positive and negative aspects of each. Despite our imperfect and changing knowledge, a better appreciation of the chemistry and metabolism of foods has dramatic potential for improving health and well-being, while ignorance is sure to have the opposite effect.

**About the speaker:** Dr. Bates received his B.S. degree in Food Technology from MIT. After several years in the food industry, he obtained an M.S. degree in Food Science from the University of Hawaii and a Ph.D. in Food Science from MIT. After a year at the Institute of Nutrition of Central America and Panama in Guatemala, he joined the University of Florida where he has been for 3+ decades. He is presently professor emeritus of Food Science in the Food Science and Human

Nutrition Department. Dr. Bates' areas of interest are food processing and utilization, small-scale process and equipment development, fermentation technology and byproduct recovery, food product development, and international technical assistance. His major responsibilities involve teaching graduate and undergraduate food processing, fermentation, and product development courses; and conducting research/extension activities in home, community, and small-scale industrial food processing operations. He has completed short and long-term international assignments in many countries in the Caribbean, Central and South America, and Asia. He fields frequent inquiries on food science and technology and related subjects from national, international, and industrial sources. Dr. Bates has developed and presented many short courses in the U.S. and overseas and has been an ACS tour speaker on various food science and technology topics for over 25 years.

**Directions:** Mount Saint Mary College is located at 330 Powell Avenue in Newburgh, NY. For additional information, visit <http://www.msmc.edu>. Take I-84E to Exit 10. At the bottom of the ramp take a right onto 9W South. (From the East, take I-84W to the second exit after the Newburgh-Beacon Bridge (Exit 10S). At the bottom of the ramp, turn right onto Rte. 32 and then another right at the first traffic light onto 9W South.) From 9W South, turn left onto North Plank Road (south of the I-84 overpass). Stay on North Plank Road 1/4 mile and turn right at the first traffic light onto Powell Avenue. The College is 1/4 mile on the left.

### Election Results for the 2006 Mid-Hudson ACS Executive Board

Chair-Elect: John C. Edwards  
Secretary: Neil Fitzgerald  
Treasurer: Joan L. Skinner  
Member-at-large: Joe Tanski

### Women Chemists Committee News

The Women Chemists Committee will have a dinner meeting on January 20 at the Via Nove Restaurant on Routes 9 and 52 in Fishkill, NY at 6:40 p.m. We will be planning the April 1 Girl Scout Badge Day in Ulster County, and planning a potential ski day sometime this winter. All Women Chemists are invited. Please RSVP to Mary Dery at [derymary@aol.com](mailto:derymary@aol.com) or call 845-528-0230.

## National Chemistry Week 2005

The Mid-Hudson Section would like to thank the hosts and volunteers who helped to make the local NCW events a great success!

### NCW 2005 Chemistry Family Night

#### **SUNY New Paltz** - Host: Dan Freedman

Approximately 40 kids plus parents participated in a variety of hands-on activities such as making super balls and launching rockets.

Volunteers: Prof. Pamela St. John, Prof. Preeti Dhar, Joan Kim, Megan Mackey, Seth Kruger, Peter Lorenzo, Demetrios Andrianis, Michael Kaplan, Darren Ceckanowicz, Tom Ormond, Sarah Goulet, Jessica Schlanger, Jeanine Dreyhaupt, and Don Bunk.

#### **Marist College** (Poughkeepsie) - Host: Neil Fitzgerald

Approximately 15 kids with families attended. Volunteers: John Galbraith, Elisa Woolridge, Jocelyn Nadeau and several students.

#### **Orange County Community College** (Middletown) -

Host: Tim MacMahon

#### **Mount Saint Mary College** (Newburgh) –

Host: Lynn Maelia

### NCW 2005 College Bowl

(Vassar College)

There were 15 attendees from Marist, Vassar and Our Lady of Lourdes High School. The winning team was from Vassar College.

Volunteers: Sarjit Kaur, Edie Stout, Dave Nellis, Scott Allen, and Stuart Belli.

### NCW 2005 Magic Show

(Vassar College)

Packed audience of all ages! Volunteers: Stuart Belli, Jennifer Jackson, and 11 Vassar undergraduates performing experiments.

<p>National Chemistry Week 2006 October 22 - 28 "Your Home – It's All Built on Chemistry"</p>
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### NCW 2005 Poster Competition Winners

#### **K - 2**

1<sup>st</sup> Place: Amanda Salvatore (Bishop Dunn)  
10 Conklin Court  
Monroe, NY 10950

2<sup>nd</sup> Place: Emily Salvatore (Bishop Dunn)  
10 Conklin Court  
Monroe, NY 10950

3<sup>rd</sup> Place: Alexander Gormley (Bishop Dunn)  
1048 Maggie Road  
Newburgh, NY 12550

Honorable Mention: Erin Martin (Bishop Dunn)  
50 Capital Drive  
Washingtonville, NY 10992

Honorable Mention: Chris Martin (Bishop Dunn)  
50 Capital Drive  
Washingtonville, NY 10992

#### **3 - 5**

1<sup>st</sup> Place: Colleen Sickles (St. Joseph)  
36 Alder Court  
Kingston, NY 12401

2<sup>nd</sup> Place: Brandon Grego (St. Joseph)  
6 Fairway Drive  
Hurley, NY 12443

3<sup>rd</sup> Place: DiMara Pagano (St. Joseph)  
25 Easy Street  
Hurley, NY 12443

#### **6 - 8**

1<sup>st</sup> Place: Dalton Crantek (St. Joseph)  
186 North Drive  
Saugerties, NY 12477

2<sup>nd</sup> Place: Nicholas Rockwell (St. Joseph)  
1428 Route 212  
Saugerties, NY 12477

3<sup>rd</sup> Place: Yoo-Nah Park (Bishop Dunn)  
1824 Route 9W  
Milton, NY 12537

Honorable Mention: Naja Fandal (Bishop Dunn)  
50 Gidney Avenue  
Newburgh, NY 12550

### Announcement

The Department of Chemistry at Vassar College has recently installed a state-of-the-art single crystal X-ray diffractometer for chemical crystallography. Funding for the instrument was obtained through a National Science Foundations Major Research Instrumentation proposal, "Acquisition of a CCD X-ray Diffractometer for Chemical Research and Education," NSF-0521237.

X-ray crystallography is a powerful technique for determining the molecular structure of materials, or the actual arrangement of atoms in molecules. X-ray diffraction techniques have enabled some of the most seminal discoveries in science, including the discovery of the double-helix structure of DNA and the elucidation of the structures of penicillin and hemoglobin.

The SMART APEX II platform diffractometer from Bruker Advanced X-ray Solutions is equipped with a MonoCap X-ray waveguide that increases the collimated X-ray intensity by a factor of 2.5, an APEX II charge-couple device (CCD) detector with ten-fold better sensitivity than first generation CCDs and an Oxford liquid nitrogen cryostream. These features make the instrument useful for a large variety of samples, including tiny, weakly diffracting and air-sensitive materials.

There will be a training seminar this January 23-24, 2006, at Vassar College. Science faculty members in the Hudson Valley who are interested in using the new instrument to obtain X-ray crystal structures in support of their research should contact Dr. Joe Tanski (845-437-7503, jotanski@vassar.edu) for more information.

Mary Dery, Ph.D.  
President

  
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**The *Mid-Hudson Section* of the  
American Chemical Society  
and  
the Department of Science and Engineering at  
Orange County Community College  
Announce**

**Science Policy: Chemistry and Nuclear Waste Disposal**

**Dr. Douglas J. Raber**  
GreenPoint Science

Wednesday, March 15, 2006  
Orange County Community College  
Middletown

Refreshments: 6:15 PM  
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(Room TBA)\*

\* Room to be announced on the Mid-Hudson ACS listserv and at [www.midhudsonacs.org](http://www.midhudsonacs.org).  
Contact Tim MacMahon (OCCC) at 845-341-4575 or by e-mail at [tmacmaho@sunyorange.edu](mailto:tmacmaho@sunyorange.edu).

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**Dr. Tom Mallouk**  
Pennsylvania State University

**Monday, March 20, 2006**  
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**Refreshments: 6:15 PM**  
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\*Registration is required for this talk.

Contact Charles Davis (IBM) at 845-892-9570 or by e-mail at [cdavis@us.ibm.com](mailto:cdavis@us.ibm.com) by March 13.  
Photo ID must be presented at the site.  
Room information and directions will be provided to all registered attendees.

(Please Post)

(Please Post)

**The *Mid-Hudson Section* of the  
American Chemical Society  
and  
the Chemistry Department of Vassar College  
Announce**

**Mechanism of Oxidation of DNA by Pt(IV) Complexes**

Dr. Sunhee Choi  
Department of Chemistry and Biochemistry  
Middlebury College

Friday, March 31, 2006  
Vassar College

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Contact Joe Tanski (Vassar) at 845-437-7503 or by e-mail at [jotanski@vassar.edu](mailto:jotanski@vassar.edu).

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(Please Post)

**The *Mid-Hudson* Section of the  
American Chemical Society  
and  
the Chemistry Department of SUNY New Paltz**

**Announce**

**Plants as a Source of Drugs**

Dr. Ralph N. Blomster  
University of Maryland at Baltimore

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**The *Mid-Hudson Section* of the  
American Chemical Society  
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the Chemistry Department of Mount Saint Mary College  
Announce**

What You Always Wanted to Know  
About Chemicals in Foods but Were Afraid to Eat

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Contact Lynn Maelia (Mount Saint Mary) at 845-569-3131 or by e-mail at [maelia@msmc.edu](mailto:maelia@msmc.edu).

(Please Post)