

Chesapeake Chemist

*Maryland Section
American Chemical
Society*



~ Dr. Nicholas Murgolo ~

*Fellow, Discovery Technologies/Bioinformatics, Schering-Plough Research Institute
(<http://www.schering-plough.com>)*

"P518 - A Novel Peptide Hormone Implicated in Osteoporosis"

Wednesday, March 19, 2008 - 6:45pm - Berkshire Marriott Hotel, Towson, MD

Message from the Chair

By: Lev Ryzhkov

Please join us for the March Meeting.

March Meeting

Wednesday, March 19, 2008 - Burkshire Marriott Hotel, Towson, MD

6:45 - 7:30 pm Registration / Networking & appetizers/refreshments
7:30 - 8:30 pm Presentation

Dr. Nicholas Murgolo

*Fellow, Discovery Technologies/Bioinformatics, Schering-Plough Research
Institute (<http://www.schering-plough.com>)*

"P518 - A Novel Peptide Hormone Implicated in Osteoporosis"

Question and Answer (10 minutes)

Price: Instead of dinner, light refreshments will be served prior to the meeting - \$5 per attendee

Contact: For questions, contact Shirish Shah at 410-323-0803 (H) or by email at dr.shah@juno.com

Where: **Burkshire Marriott Conference Center:** 10 West Burke Avenue, Towson, MD - directions at:
<http://www.mdchem.org/meetings/burkshire.html>

Directions to Burkshire Marriott Conference Center: 10 West Burke Avenue, Towson, MD

- From the Baltimore beltway, I-695, follow to exit 27, Dulaney Valley Road
- The Burkshire is on the left side as you enter Burke Ave. (18-story building). Meeting attendees should proceed to the left lane. Turn left into the Burkshire's parking entrance. Turn the corner and make an immediate right into the P2 parking garage.
- (You may have to press the intercom button for admittance to the elevators)
- Proceed to the front desk to get a parking pass required for your car
- Look for signs posted in the lobby and by the elevators to locate the dining room

Abstract: "P518 - A Novel Peptide Hormone Implicated in Osteoporosis"

P518 is a novel peptide hormone discovered by PepPat, a Bioinformatics short peptide search algorithm. P518 has been shown to increase feeding, heart rate, and stimulate aldosterone and LH release in rodents. Screening demonstrated P518 is the cognate ligand for the G-protein coupled receptor GPR103. GPR103 knock-out mice have a pronounced spine development defect suggesting a role for P518 in bone development and bone resorption. A novel phenotype association tool highlighted a previously mapped mouse osteoporosis locus to P518's genomic location. Sequencing of P518 gene from SAMP6 osteoporosis prone and resistant mice identified a SNP in affected mice resulting in a novel neuron-restrictive repressor binding site in P518's promotor leading to decreased expression in liver and spinal cord. P518 or receptor agonists may offer a novel strategy for treatment of osteoporosis.

About the speaker

Nicholas J. Murgolo, Ph.D.

Fellow, Discovery Technologies/Bioinformatics
Schering-Plough Research Institute
2015 Galloping Hill Road MS1800
Kenilworth, NJ 07033
Nicholas.Murgolo@spcorp.com
(<http://www.schering-plough.com>)

~ Speaker Information continued on Page 4 ~

ACS Maryland Section - Officers and Committee Chairs

Section Officers:

Chair - Lev Ryzhkov, Towson University - (410) 704-3831; lryzhkov@towson.edu

Vice-chair - Walter Roy, McCormick & Company, Inc, (410) 771-7886; walter_roy@mccormick.com

Chair-elect - David Herlocker, McDaniel College, (410) 857-2494 dherlock@mcdaniel.edu

Secretary - Sara Narayan - (443) 334-2326; f-naraya@mail.vjc.edu

Treasurer - Liina Ladon, Towson University, Chemistry Department, 8000 York Road, Smith Hall Rm. 538, Towson, MD 21252, (410) 704-3054, lladon@towson.edu

Councilors:

Merle I. Eiss
(410) 484-0521
meiss32@aol.com

Stephanie J. Watson
(301) 975-6448
stephanie.watson@nist.gov

David Roswell
(410) 617-2458
droswell@loyola.edu

Charles Rowell
(410) 647-9452
cfrowell35@verizon.net

Alternate Councilors:

Shekar Munavalli, Shirish Shah, Paul Smith,
Joseph Topping

Members at Large:

Karen Hatwell, Maurice Iwunze,
Angela Wells Winstead, Takashi Tsukamoto

Committee Chairs:

Student Awards (April) - George Farrant - (410) 455-4120; gfarrant@yahoo.com

MD ACS Student Grants (April) - Susan Mercer - sgill002@umaryland.edu or Paul Smith, pjsmith@umbc.com

Remsen Award (May/June) - Lev Ryzhkov

Braude Award (October) - Charles Rowell

Maryland Chemist Award (December) - Angela Sherman - (410) 532-5713; ASherman@ndm.edu

Maryland Service Award - Shree Iyengar - (410) 777-2266; ssiyengar@aacc.edu

Programs:

Archives - Ernie Silversmith - (443) 885-3214

Career Planning - Linh Cheong - (410) 762-1159

Earth Day - Paul Smith

Environmental Issues - Shirish Shah - (410) 704-2720
sshah@towson.edu & Sandy Young

Finance Committee - Jan Kolakowski - (410) 436-2755
jan.kolakowski@us.army.mil

Government Relations -
Shirish Shah & Robert von Tersch -
robert.l.vontersch@us.army.mil

Long Range Planning - Shekar Munavalli

MARM - Shirish Shah & Alan Samuels -
alan.samuels@us.army.mil

Membership - Merle Eiss

Minority Affairs - Alfred Amah - (410) 602-7164;
aamah@coppin.edu

Public Relations - Shirish Shah & Walter Roy,
Walter_Roy@mccormick.com

Retired Chemists - Alvin Bober, 410-581-5321

Women Chemists/Younger Chemists -
Sara Narayan - 443-334-2326
Amanda (Miller) Idstein -
aredmiller@cs.com

Educational Programs:

Chemistry Olympiad/Chem-a-Thon -
Shirish Shah & Mike Zapf,
Mike_Zapf@mccormick.com

Continuing Education/High School Education -
Shirish Shah/Ellen Pisciotta

Kids & Chemistry/Chemistry-in-the-Library -
Sue Procell, 410-436-4604,
suzanne.procell@us.army.mil /Sandy Young

National Chemistry Week (NCW) -
Shirish Shah & Sandy Young

Maryland Section on the Web: <http://mdchem.org>
Webmaster - Sandy Young (mdchem@mdchem.org)

Chesapeake Chemist Editor:
(mdchem@mdchem.org)

Speaker Bio:

Dr. Murgolo was born in Brooklyn, NYC in 1962. He received his Ph.D. in 1987 from Stevens Institute of Technology in Hoboken, NJ. After postdoctoral study in the Laboratory of Medical Biochemistry at The Rockefeller University in NYC, he joined Schering-Plough in 1989. As a Biochemist in the Biotechnology Department he performed characterization and modeling studies on protein therapeutics. Biochemistry was integrated into Structural Chemistry in 1994, where he was the group's protein modeler. In 1996 he joined the newly formed Bioinformatics Department in Discovery Informatics. He is a Fellow who currently leads a group devoted to functional annotation and protein therapeutic and drug target identification. He also is an Adjunct Professor at Stevens in the Department of Chemistry since 1990, where he instructs Biochemistry I, II and Introductory Bioinformatics.

Nominations for the 2008 Maryland Chemist Award

The Maryland Chemist Award Committee is accepting nominations for the 2008 Maryland Chemist Award. Supportive documentation should include copies of the resume of the nominee and his/her list of publications. A short statement describing the outstanding contributions of the nominee to scientific research, education, industry, technology, etc., will be helpful and appreciated. Please send nominations to Dr. Angela Sherman. Nominations are PREFERRED to be sent in to the committee via e-mail: ASherman@ndm.edu. If you can not send your nomination via e-mail, please contact Dr. Sherman via e-mail or phone (410) 532-5713 to arrange for alternate delivery method. **The deadline for submission of nominations is April 15, 2008.**

MD ACS to host MARM 2011 or 2012

The MD ACS is looking for volunteers to help organize the 2011 or 2012 Mid-Atlantic Regional Meeting. The Maryland Section has an opportunity to execute the MARM in 2011 or 2012, and we need officers to co-chair the overall forum, the technical committee, publications, publicity, development, treasurer, exhibits, and local arrangements. We also need participation by any who wish to help without committing to a chair. Please contact Alan C. Samuels (phone: (410)-436-5874; e-mail: alan.samuels@us.army.mil) if you can help.

Reminder: Applications are Being Accepted for the 2008 Undergraduate Student Travel Awards

Students can apply to receive up to \$500 for travel and expenses to attend a National ACS Meeting or up to \$300 to attend a Regional ACS Meeting. Open to undergraduate student affiliates of the ACS who are enrolled full time in a college or university in the Maryland Section.

The application should include:

- The meeting you plan to attend along with location, dates
- An estimated budget (cost for travel, registration, lodging, and meals)
- A 250 word essay describing your motivation for attending the meeting (if you plan to present, include a brief description of the work to be presented)
- A letter of support from a faculty member in your department

Review of applications will begin January 15th but will continue through the year until all funds are utilized. Applications should be mailed to: Dr. Paul Smith, UMBC, Department of Chemistry and Biochemistry, 1000 Hilltop Circle, Baltimore, MD, 21250 or sent via e-mail: pjsmith@umbc.com.



Spring 2008 - Important Dates



- March 19, 2008 March Meeting – Speaker: **Dr. Nick Murgolo** Fellow, Discovery Technologies/
Bioinformatics, Schering-Plough Research Institute, presentation on, 'A Novel Peptide
Hormone Implicated in Osteoporosis', Berkshire Marriott, Towson, MD – directions at:
(<http://mdchem.org/meetings/burkshire.html>)
- March 22, 2008 World Water Day (<http://www.worldwaterday.net/>)
- April 5, 2008 (**Saturday**) MD ACS joins the Herring Run Watershed for Project Clean Stream
- April 6-10, 2008 235th National ACS Meeting & Exposition, New Orleans, LA
(<http://chemistry.org/meetings>)
- April 12, 2008 (**Saturday**) Workshop/Symposium: Chemical Toxicology in Action (Washington, DC)
- April 13, 2008 (**Sunday**) Student Awards/ April MD ACS Meeting, speaker: Dr. Donald A. Thomas, NASA
Astronaut (Former), Director of the Hackerman Academy, Towson University – Berkshire
Marriott, Towson, MD – directions at: (<http://mdchem.org/meetings/burkshire.html>)
- April 20, 2008 (**Sunday**) Chemistry Olympics - College of Notre Dame, Baltimore, MD – directions at:
(<http://mdchem.org/meetings/notredame.html>) POC: Shirish Shah,
(sshah@towson.edu), (410) 704-2720
- April 22, 2008 Earth Day (<http://chemistry.org/earthday>)
- May 18-21, 2008 40th Mid-Atlantic Regional Meeting (MARM), Queensborough Community
College of the City University of New York (<http://www.marmacs.org/2008/>) – Theme:
Chemistry & Health
- May 2008 Section Meeting – Date/Location to be determined – speaker: Major David S. Johnston,
Director, Laboratory Sciences, USACHPPM
- May 23, 2008 (**Friday**) New 50-year member luncheon celebration - Belmont Conference Center– directions at:
(<http://mdchem.org/meetings/belmont.html>)



Summer 2008 - Important Dates



- June 4, 2008 Remsen Award & Dinner Meeting – Awardee: Dr. John Tully will give a presentation on
'Chemical dynamics at metal surfaces: the role of electronic excitations' - Johns Hopkins
University, Baltimore, MD – directions at: (<http://mdchem.org/meetings/JHU.html>)
- June 16, 2008 Student Affiliate National Meeting Travel Grant application deadline
- July 13, 2008 MD ACS Annual Picnic, McKeldin Area, Patapsco State Park – Directions at:
(<http://mdchem.org/meetings/patapsco-mckeldin.html>). Scrabble and domino players
are encouraged to attend
- August 17-21, 2008 236th National ACS Meeting & Exposition, Philadelphia, PA
(<http://chemistry.org/meetings>)



Fall 2008 - Important Dates



- November 15, 2008 America Recycles Day (<http://nrc-recycle.org/americanrecycles.aspx>)



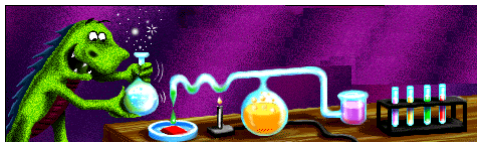
March Historical Events In Chemistry

By: Leopold May

- March 3, 1709 Andreas S. Marggraf, who was born on this date, isolated zinc from calamine. He distinguished between potash and soda by flame test, found alumina in clay, and discovered beet sugar in beetroot.
- March 5, 1817 The inventor of the first colorimeter, Jules Duboscq, was born on this day. The Duboscq Colorimeter was used for visual colorimetric quantitative analysis and pH measurements.
- March 7, 1839 Ludvig Mond, who discovered Mond producer gas and nickel carbonyl, was born on this date. He and John Brunner founded a company that later became Imperial Chemical Industries (ICI).
- March 10, 1851 William McMurtie, who was born on this day, did research on methods for converting sewage to fertilizer. He served as president of the American Chemical Society.
- March 12, 1824 Gustav R. Kirchhoff, who invented the spectroscope with Robert Bunsen in 1859, was born on this date. He and Robert Bunsen discovered cesium in 1860, and rubidium in 1861. He discovered that substances which emit radiation absorb the same type of radiation when cool (Kirchhoff's Law).
- March 14, 1854 One hundred years ago, Paul Ehrlich and Ilya Ilyich Mechnikov shared the Nobel Prize in Medicine in recognition of their work on immunity. Ehrlich was a researcher in chemotherapy and discovered Salvarsan (No. 606) and neosalvarsan.
- March 16, 1666 Johann Conrad Barchusen, who was born on this date, was a chemical lecturer at Utrecht University. He did chemical analysis using fire and interpreted alchemical transmutation as metallic substitution reactions.
- March 18, 1900 Laueren B. Hitchcock, an expert in chemistry of the environment, was born on this date.
- March 20, 1908 One hundred years ago, Bausch & Lomb was incorporated as Bausch & Lomb Co. on this day.
- March 21, 1817 George W. Rains, who was a chemistry teacher and Confederate Army chemist, was born on this date.
- March 23, 1867 Charles L. Parsons, who was born on this date, obtained the federal charter for the ACS. He helped establish the Petroleum Research Fund and did research on beryllium.
- March 26, 1838 A. Crum Brown, who devised modern structural formulae in 1864, was born on this date. He formulated rules for substitution in benzene derivatives named after him and did research in the theory of isomerism and organic compounds of sulfur.
- March 27, 1847 Otto Wallach, a researcher on essential oils & terpenes, was born on this date. In 1910, he received the Nobel Prize in Chemistry in recognition of his services to organic chemistry and the chemical industry by his pioneer work in the field of alicyclic compounds.
- March 29, 1883 One hundred and fifty years ago, Donald D. Van Slyke was born on this day. He was a pioneer in clinical chemistry.

For more historical facts on chemistry, visit Dr. May's website at <http://faculty.cua.edu/may/>.

An informal association, Society for the Propagation of the Music of the Chemist-Composers, has been formed to publicize the music of chemist-composers. For information, see <http://faculty.cua.edu/may/SPMCC.htm>.



Outreach

Chemists Celebrate Earth Day 2008 – Theme: Streaming Chemistry

National ACS plans to publish an Earth Day handout again this year. When it is available we will have the link on our website.

Events:

Saturday, March 29 th , 2008 – 1pm	East Columbia Branch – Howard County Public Library
Saturday, March 29 th , 2008 – 2pm	Walkersville Branch – Frederick County Public Library
Friday, April 4 th , 2008 – 2pm	Elkridge Branch – Howard County Public Library
Tuesday, April 22 nd , 2008 – 4:00pm	Waverly Branch – Enoch Pratt Public Library (Baltimore City)
Saturday, May 3 rd , 2008 – 2pm	Rising Sun Branch – Cecil County Public Library
Saturday, May 10 th , 2008 – 1pm	Perryville Branch – Cecil County Public Library
Friday, May 16 th , 2008 – 10am	Miller Branch – Howard County Public Library
Friday, May 16 th , 2008 – 1pm	Savage Branch – Howard County Public Library

Earth Day at the Maryland Science Center

The Maryland Science Center is hosting Earth Day events on Saturday, April 19th, 2008 from 10am-4pm. The MD ACS will have tables set up and be doing hands-on experiments with young students from 10am-2pm.

Stop in and join us if you have time!! If you have any questions or want to assist with an event, please feel free to contact us at (mdchem@mdchem.org).

Chemistry Olympiad

The National Chemistry Olympiad program is currently underway. The Section may test up to thirteen students (only 2 from a single school) for the examination in April which is scheduled to be held at the College of Notre Dame in Baltimore. Interest in the exam in our area began early.

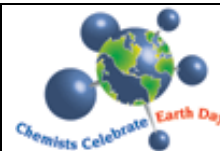
The exam is in three parts and includes a lab practical. If you are interested in becoming a proctor for one of the parts, please contact Mike Zapf (Mike_Zapf@mccormick.com). The MD ACS section students will be among 1000 tested in the United States. Twenty students in the US will then be chosen for intensive training at the USAF Academy in Colorado where the final four team members are selected for the International Chemistry Olympiad to be held in July in Budapest, Hungary.

Community Event “Adopt-A-Stream”

The 2008 Community Event for Chemists Celebrate Earth Day is “Adopt-A-Stream”. In an “Adopt-A-Stream” program, groups register with the “environmental protection” office of their state or local government to clean-up and keep clean a section of a stream or aquifer. In addition to clean-up efforts, volunteers may be asked to monitor water quality and/or pollution sources. Responsibilities vary slightly from one municipality to the next. Provide water quality information at your event and document it with a photograph that you will submit to ACS!



**Pre-Earth Day Clean-Up
Herring Run Watershed
Saturday, April 5th, 2008**



For Chemists Celebrate Earth Day (CCED) 2008, ACS will emphasize the importance of local waterways with the water-based theme, "**Streaming Chemistry**". And the Maryland Section (<http://mdchem.org>) is once again teaming up with the Herring Run Watershed Association (<http://www.herringrun.org/>) for Project Clean Stream, a pre-Earth Day Clean-Up event in Baltimore. Mark your calendar and plan to come on out and lend a hand! This is an excellent opportunity to teach young students important lessons about trash in our environment.

When?: Saturday, April 5th, 2008

Clean-up from **9am - 12pm** - come for an hour or stay the whole time - we appreciate your participation!

Where?: Location is at Herring Run Park in northeast Baltimore City adjacent to Lake Montebello (the park entrance is at the intersection of Harford Road and Argonne/Parkside Drives)

- Wear sturdy shoes and old clothes!
- Bags and gloves will be provided
- Refreshments will be available (drinks/snacks) as well as 'Earth Day' t-shirts for the first 75 participants (whether ACS volunteer or not)

More information or directions: contact Paul Smith at 410-455-2519, pjsmith@umbc.edu

You can also participate at another site! If you want to join in Project Clean Stream at another site in Maryland, information is available at the website for the *Alliance for the Chesapeake Bay* <http://www.alliancechesbay.org/pressrelease.cfm?id=236>.

National ACS Sponsoring Two Contests for Earth Day

K-12: Illustrated haiku contest

Local winners due to national ACS by Friday, April 11, 2008

Categories: K-2, 3-5, 6-8, 9-12 (groupings changed from last year)

College and University Students:

Adopt-A-Stream contest for the best community service activity.

Entries due by May 15, 2008

For more information, contact Paul Smith at 410-455-2519, pjsmith@umbc.edu

Science Fair Judges Needed

When: Friday, April 18, 2008

What: Science Fair

Where: **Johnnycake Elementary** (Baltimore County), 5910 Craigmont Road, Baltimore, MD 21228

POC: If you are interested in volunteering for this event, please contact Lisa Tirocchi, e-mail: (ltirocchi@bcps.org), 410-887-0823

When: Monday, April 21, 2008 from 1-3pm

What: Science Fair - 4th & 5th grades

Where: **Colgate Elementary** (Baltimore County), 401 51st Street, Baltimore, MD 21224

POC: If you are interested in volunteering for this event, please contact Ms. Angela Dwyer, e-mail: (ablancolosada@bcps.org), 410-887-7010.

When: Friday, April 25, 2008 from 8:30-11:30 a.m.

What: Science Fair - 5th Grade Projects

Where: **Chapel Hill Elementary School** (Baltimore County), 5200 Joppa Road, Perry Hall, MD 21128

Details: A judge's checklist will be furnished for the judges to use.

POC: If you are interested in volunteering for this event, please contact Ms. Elizabeth Bloom, ebloom@bcps.org, (cell) 410-842-3518

December Dinner Meeting Recap



Professor Paul Dagdigian of Johns Hopkins University was awarded the 2007 Maryland Chemist of the Year at the December Meeting. Congratulations Dr. Dagdigian!

In the picture to the left, Dr. Dagdigian is shown with Dr. Louise Pasternack, who is currently Senior Lecturer in the JHU Chem Dept. Coincidentally, she was also Dr. Dadigan's first graduate student.



Johns Hopkins University Chemistry Department The Ephraim and Wilma Shaw Roseman Colloquium Series

Spring 2008 - Remsen Hall 233 – Tuesdays, 4:15 pm
For more information contact Rosalie Elder, 410-516-7432

<http://chemistry.jhu.edu/colloquia.html>

The schedule can be downloaded in pdf or html format.

March 4 <i>Roth</i>	Professor David Silverman University of Florida	"Proton Transfer in Rapid Enzymatic Catalysis: Superoxide Dismutase and Carbonic Anhydrase"
March 18 <i>Fairbrother</i>	Professor Stacey Bent Stanford University	"Understanding and Exploiting Molecular Bonding at the Semiconductor Surface"
March 25 <i>Bowen/Fairbrother</i>	Professor Scott L. Anderson University of Utah	"Supported Catalysts with Atomic Control"
April 1 <i>Tovar</i>	Professor Karen L. Wooley Washington University, St. Louis	"Commonalities in Synthetic Methodologies for the Preparation of Well-defined Nanostructured Materials Having Strikingly Different Characteristics: Anti- fouling coatings for implementation in the marine environment and discrete nanoparticles for in vivo medical applications"
April 8 <i>Bowen</i>	Professor Elliot Bernstein Colorado State University	"Neutral Metal and Metal Oxide Clusters as Model Catalytic Systems-Experiments and Calculations"
April 15 <i>Greenberg</i>	Dr. Daniel H. Appella NIDDK, NIH	"Synthetic Molecules that Control Binding to Nucleic Acid"
April 29 <i>Greenberg</i>	Professor Yinsheng Wang University of California, Riverside	"Chemistry and Biology of DNA Damage Induced by Reactive Oxygen and Reactive Carbonyl Species"

Johns Hopkins University Chemistry Department Special Chemistry Seminars

Spring 2008 - Remsen Hall 233 – Day/Date/Time noted
For more information contact Rosalie Elder, 410-516-7432

<http://chemistry.jhu.edu/spchemsem.html>

The schedule can be downloaded in pdf or html format.

<i>Thursday – 4:15 pm</i> March 27 <i>Goldberg</i>	Professor Michael Fryzuk University of British Columbia	"Activation and Functionalization of Molecular Nitrogen by Transition Metal Complexes"
<i>Thursday – 4:15 pm</i> April 3 <i>Roth</i>	Professor Joan Valentine University of California, Los Angeles	"How Does Aqueous Manganese Ion Functionally Substitute for Superoxide Dismutase Enzymes <i>In Vivo?</i> "
<i>Thursday – 4:15 pm</i> April 24 <i>Greenberg</i>	Professor Chrystostomos Chatgililoglu ISOF-Area della Ricerca di Bologna	"5',8-Cyclopurine Lesions: Chemistry and Biology"
<i>Wednesday – 4:15 pm</i> April 30 <i>Lectka</i>	Dr. Christopher Cox Merck & Co., Inc.	"Discovery of Kinesin Spindle Protein Inhibitor MK-0731 for the Treatment of Cancer"
<i>Tuesday – 4:15 pm</i> May 6 <i>Goldberg</i>	Professor Jonathan Sessler University of Texas	"Oligopyrroles: New Receptors for Anions and Electron Deficient Neutral Species"



Call for Abstracts for MARM 2008

<http://www.marmacs.org>



The 40th Mid-Atlantic Regional Meeting of the American Chemical Society

Where: Queensborough Community College, Bayside (Queens), New York

When: Saturday, May 17 to Wednesday, May 21st, 2008

Abstract submission window: Monday, January 7th, 2008 to Monday, March 17th, 2008

Poster and Oral Formats are available

Submit to a specific session or make a general submission.

The following technical symposia are planned:

- Analytical: HPLC Method Development; Protein and Peptide Analysis
- Delaware Valley Chromatography Forum Student Award
- Biomimetic Catalysis and Biocatalysis
- Biochemistry: Bio-Therapeutics; Protein Misfolding
- Chemical Education
- Chemical Evolution
- Chemistry and the Arts
- Clinical Chemistry
- Computational Chemistry
- Environmental Chemistry
- Forensic Chemistry
- Green Chemistry
- HIV/AIDS
- Industrial Chemistry Symposium
- Inorganic Chemistry: Bioinorganic Chemistry; Metal Complexes in Chemotherapy and Diagnostics
- Ionic Liquids
- Materials Chemistry: Nanoscience; Synthetic Molecular Machines and Switches
- Organic Chemistry: Antimicrobials; Arthur C. Cope Scholar Symposium; Organic Synthesis toward Targets of Medicinal Interest; Process Chemistry
- Medicinal Chemistry
- Photochemistry
- Physical Chemistry
- Polymer Chemistry: Polymers in Medicine/Bio-inspired Polymers
- Spectroscopy of Biological Systems; Infrared Spectroscopy

The meeting will also feature plenary lectures by:

Ronald Breslow, Columbia University, *The Invention of SAHA, an Approved Anticancer Medicine with a Novel Mechanism of Action*

Roald Hoffmann, Cornell University, *The Chemical Imagination at Work in Very Tight Places*

In addition to the stimulating technical programs, we will have programs on Careers in Chemistry, workshops for Chemical Educators, ACS Leadership Development workshops, Student Affiliates activities, and an Industrial Chemistry Award Symposium. MARM will also host meetings of the Royal Chemical Society and the Women Chemists Committee, as well as the 56th NY-ACS Undergraduate Research Symposium. You may also visit the MARM 2008 Vendor Exhibition, and enjoy social events, including a barbeque and Awards Banquet.

We invite your participation in the meeting and encourage oral and poster abstract submissions at:

<http://www.marmacs.org>

Chemical Society of Washington Section American Chemical Society

Presents an all-day, interactive, informative workshop on

Chemical Toxicology in Action

SATURDAY, April 12, 2008, 8:30 AM to 4:00 PM

The George Washington University
Harding Auditorium, Room 213, the 1957 E Building,
1957 E St. NW, Washington, DC
Within walking distance of Orange and Blue Metro Lines

Teaching, learning and career information for:

- College/university students and high school students considering a career in toxicology,
- Lecturers, instructors in chemistry and chemistry teachers in high schools,
- Media specialists and others interested in toxicology.

Six presentations/discussions, based on real cases, will illustrate what chemists and biochemists do as toxicologists in the environmental sciences; food and drugs; forensic sciences; clinical toxicology; and studies that combine genetics, carcinogenicity and toxicology.

Learn from expert practitioners how toxicology
benefits health in the United States and how
to prepare for a career in chemical toxicology.

For Program details and registration forms, please go to: (<http://membership.acs.org/W/WashDC/>)

REMINDER: Receiving the Chesapeake Chemist

Hopefully, if you are reading the Chesapeake Chemist this month, you are receiving it via e-mail from us. We went to electronic only mailings to our MD ACS membership in October 2006. Please remember that we are dependant on the National ACS records for your correct, current e-mail.

Changing your e-mail address? Moving out of the MD ACS area? E-mail changes can be updated either by:

- E-mailing us at mdchem@mdchem.org - give us your member #, full name, and e-mail changes and we can ensure that your records are updated with National ACS.
- **Contacting the National ACS membership division: 800-333-9511 (US only)** or service@acs.org

To ensure that you receive the Chesapeake Chemist, please add the MD ACS e-mail (mdchem@mdchem.org) to your accepted e-mail address list IF you have a spam filter.

If you are a member who currently doesn't receive the Maryland ACS Chesapeake Chemist but download it from our website, it is possible that National ACS does not have your e-mail address on file. If you want to receive the Chesapeake Chemist via e-mail, please e-mail us at mdchem@mdchem.org - give us your member #, full name, and e-mail address and we can ensure that your records are updated with National ACS.

The current edition and previous editions of the Chesapeake Chemist can ALWAYS be obtained via our website: <http://mdchem.org> - please see the Newsletter Archive link on the right-hand side of the website.

Maryland ACS

Interested in how your dues get used and want to work on interesting member programs/projects? If you want to get involved with the Maryland Section Executive Committee and/or with section activities, we want to hear from YOU! The Maryland ACS Executive Committee meets 4 times during the year to discuss and plan activities. Please feel free to contact the chair, vice-chair, or chair-elect via e-mail to get more information on various areas/activities that you are interested in or that we would like to start or expand in the future. The amount of time to commit would be up to you but might be around 2 hours per month, depending on the activity. We are always looking for individuals with budget/financial, editing, and planning skills.

Volunteer Here!

Like working with students? Have a talent for encouraging students in science? Have ideas for outreach events? Sign up for our volunteer news. Contact Sandy Young at mdchem@mdchem.org.

Interested in holding your own Chemistry-in-the-Library Program?

We are looking at putting some supply kits together and having a short training event with luncheon for folks who plan to hold their own Maryland ACS sponsored science events at local libraries in the spring. Please contact Sandy Young at mdchem@mdchem.org for more information.



micron inc.
ANALYTICAL SERVICES

MATERIALS CHARACTERIZATION

MORPHOLOGY CHEMISTRY STRUCTURE

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**3815 LANCASTER PIKE, WILMINGTON DE 19805
Voice 302-898-1184, Fax 302-898-1838**

E-Mail micronanalytical@campuserve.com

WEB PAGE: www.micronanalytical.com

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