

THE NUCLEUS

November 2006

Vol. LXXXV, No. 3

Monthly Meeting

*James Flack Norris Award to
Professor Brian P. Coppola*

Northeast Student Chemistry Research Conference

ACS Northeast Regional Undergraduate Day

November 4, 2006

New Faculty at NESACS Institutions





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Cover: *James Flack Norris Awardee for Outstanding Achievement in Teaching Chemistry, Professor Brian P. Coppola, Department of Chemistry, University of Michigan. (Photo courtesy of Professor Coppola).*

Deadlines: *January 2007 Issue: November 10, 2006*

February 2007 Issue: December 8, 2006

THE NUCLEUS

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NE Student Research Conference Held at MIT

Sponsored by NESACS
Younger Chemists Committee

by Ivan Korendovych

The Eighth Annual NSCRC took place at the Massachusetts Institute of Technology on Saturday, April 22, 2006. The event, located in the Ray and Maria Stata Center, attracted approximately 80 participants from schools in the Boston area, which is 30% more than the last year. The event featured 6 graduate/undergraduate oral presentations and ~40 poster presentations. This year, we had 8 judges at the NSCRC who walked around and questioned students about their posters and research. Among the judges were Dr. Lauren Wolf, Dr. Rybak-Akimova, Dr. Michael Strem, Dr. Mohammad Movassaghi, and Dr. Ruth Tanner. Awards were awarded to the undergraduate and graduate students for the best oral and poster presentations. Cash prizes were donated by Strem Chemicals and Graduate Women in Science. Book gift certificates were donated by Springer. These awards were as follows:

Best graduate oral presentation, sponsored by Strem Chemicals:

Daniel Killelea (Tufts University)
"Energy flow in gas-surface reactions"

Best poster presentation, sponsored by Springer (two awards):

Xiang Zhang (Harvard)
"Photochemical Reduction of CO₂ by Sphalerite (ZnS) Colloidal Particles and the Origin of Life"

Vikki Tsefrikas (Boston College)
"Progress Toward the First Chemical Synthesis of a Single Walled Carbon Nanotube"



Laila Dafik of Tufts University describing her research. Photo by I. Korendovych.

Graduate Women in Science Award:

Olena Rabotyagova (Tufts University)
"Relationship between Collagen Structural Hierarchy and Susceptibility to Degradation by Ultraviolet Radiation"

In addition, the **Phyllis A. Brauner Undergraduate Book Award**, sponsored by the Education Committee of NESACS, was presented by Dr. Ruth Tanner of UMass-Lowell, Chair of the NESACS Education Committee. The award went to the undergraduate student who gave the best oral presentation at the conference:

Phyllis A. Brauner Undergraduate Book Award:

Alisa Mueller (Harvard)
"Structure and Mechanism of TadA, an Adenosine Deaminase That Acts on tRNA"

A slideshow about the NESACS-YCC/GDCh-JCF German-Exchange Program and 2006 Trip to Konstanz was given by Grace Wang of Harvard University, one of the twelve American participants in this year's exchange. The presentation featured pictures from the trip itself and information on how students in the area can get involved in future exchange programs.

The keynote address, entitled *"Powering the Planet: The Challenge to Chemistry in the 21st Century"* was presented by Professor Daniel Nocera of the Massachusetts Institute of Technology. To show appreciation to Dr. Nocera for giving the keynote address, the NSCRC committee presented him with a desk clock engraved with the name of the conference. ◇

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NESACS

Medicinal Chemistry Symposium

New Approaches on Depression
Thursday, December 14th, 2006
2:30pm~8:30pm
Wellesley College

Speakers include Carlos A. Zarate, Jr., MD (Chief Mood Disorders Research Unit, Associate Clinical Director, Laboratory of Molecular Pathophysiology); Phil Skolnick, Ph.D., D.Sc. (hon.) (Executive Vice President and Chief Scientific Officer, DOV Pharmaceutical, Inc.)

See December Nucleus or NESACS website for updated information. ◇

Monthly Meeting

The 873th Meeting of the Northeastern Section of the American Chemical Society

Presentation of the James Flack Norris Award for Outstanding Achievement in Teaching Chemistry to Prof. Brian P. Coppola, Arthur F. Thurnau Professor of Chemistry, University of Michigan

“The Most Beautiful Theories...”

Thursday, November 16, 2006

University of Massachusetts, Boston
100 Morrissey Boulevard, Boston MA

5:30 pm Social Hour

6:30 pm Dinner

7:45 pm Norris Award Ceremonies

Evening Meeting: Dr. Pam Mabrouk, Chair, Northeastern Section, presiding.

Dinner reservations should be made no later than 12:00 noon on Thursday, November 9. Please call Marilou Cashman at (800) 872-2054 or (508) 653-6329 or respond by e-mail to mcash0953@aol.com. Reservations not canceled at least 24 hours in advance must be paid. Members, \$28.00; Non-members, \$30.00; Retirees, \$15.00; Students, \$10.00. Anyone who needs handicapped services/transportation, please call a few days in advance so that suitable arrangements can be made. The Public is Invited

Directions to UMASS Boston:

Public Transportation:

Subway: Take the Red Line to JFK/UMass Station. A free shuttle bus will carry you to the campus. **Commuter Rail:** Take the commuter rail to the JFK/UMass station from the South Shore on the Middleboro and Plymouth lines.

By car from the north: Take Interstate 93 South through Boston to Exit 15. Take a left at the end or the ramp onto Columbia Road, and then take your first right in the rotary. Follow the University of Massachusetts signs along Columbia Road and Morrissey Boulevard to the campus.

By car from the south: Take Interstate 93 North to Exit 14 and follow Morrissey Boulevard north to the campus.

By car from the west: Take the Massachusetts Turnpike (Interstate 90) east to Interstate 93. Take I-93 South one mile to Exit 15. Take a left at the end or the ramp onto Columbia Road, and then take your first right in the rotary. Follow the University of Massachusetts signs along Columbia Road and Morrissey Boulevard to the campus.

Parking fees: \$6 per single use.

Biography

Brian P. Coppola received his B.S. degree from the University of New Hampshire-Durham in 1978, and his Ph.D. from the University of Wisconsin-Madison in 1984. First taking a faculty appointment at the University of Wisconsin-Whitewater during the later stages of his graduate work, he moved to the University of Michigan as a visiting assistant professor in 1986. He was appointed as a lecturer in 1987, and then as an Associate Professor with tenure in 1997; he was promoted to Full Professor in 2002. He currently serves as the Associate Chair for Curriculum and Faculty Affairs in the Department of Chemistry.

Brian Coppola has been very active with the American Chemical Society as well as other professional organizations. He participated in an ACS Task Force on Minority Faculty in the Chemical Academic Community. He currently serves on the ACS Society Committee on Science, and has been a member of the ACS Committee on Professional Relations, the ACS Council, as well as having served a 10-year term as Councilor for the Huron Valley local section of the ACS. He has also served on a number of editorial advisory boards, including those of the *Journal of Science Education and Technology*, the *International Journal of Science Education*, *The Chemical Educator*, and the *Journal of College Science Teaching*. Brian has received numerous awards, fellowships, and grants as well, all of which speak to his expertise in and love of teaching. ◇

Unlike the various “chemical education” programs, this system is beginning to produce a new generation of mainstream faculty members for whom the integration of teaching and research is a natural consequence of their education. This powerful design for future faculty development, while rational and almost self-evident in retrospect, has been grown over a 10-12 year period, and has positively impacted recruitment, retention, and

Continued on page 6

Abstract

In the department of chemistry at the University of Michigan, we have discovered that improving undergraduate education comes from better enabling faculty to carry out their instructional development work. Our analogy is

how research is done in scientific research groups. Faculty have learned to team with student collaborators from undergraduate to post-doctoral as their intellectual partners, getting impressive and advanced work done by training students through the work they do; as in research: learning through participation.

Financial Aid Available

Grants-in-Aid to Undergraduates

to Attend the 233rd ACS National Meeting in Chicago, Illinois

March 25 – March 29, 2007

The Northeastern Section of the American Chemical Society (NESACS) will provide *Grants-in Aid* of \$250 to each of four undergraduates to attend the 233rd ACS National Meeting in Chicago, Illinois and to present a paper at the Undergraduate Research Poster Session in the Division of Chemical Education. The institutions of the successful applicants are expected to match the award.

Eligibility: Applications will be accepted from students at colleges and universities within the Northeastern Section. The undergraduate student must be a chemistry, biochemistry, chemical engineering, or molecular biology major in good standing with at least junior status, and must be currently engaged in under graduate research.

Application: Application forms are available from departmental offices

and the NESACS office. In addition, application forms may be obtained from the NESACS Web site at <http://www.nesacs.org>. The deadline for *receipt* of completed applications by Professor Ruth Tanner, the Chair of the Education Committee, is November 2, 2006. Completed applications are to be sent to:

Professor Ruth Tanner
University of Massachusetts Lowell
Department of Chemistry,
Olney Hall
1 University Avenue
Lowell, MA 01854-5047
Phone: (978) 934-3662
Fax: (978) 934-3013
e-mail: Ruth_Tanner@uml.edu

Notification: Applicants will be notified of the results by e-mail on November 7, 2006.

The **deadline** for electronic submission of abstracts to the American Chemical Society in Washington, D.C. is November 14, 2006 (11:59 pm EST).◇

Call for Papers

*Undergraduate Research
Poster Session at the 233rd
National Meeting of the
American Chemical Society*

Chicago, Illinois

March 25 – March 29, 2007

The ACS invites undergraduate students to submit abstracts of their research papers for presentation at the Undergraduate Research Poster Session (URPS), which will be part of the extensive programming for undergraduates at this national meeting. Submit your abstract electronically by **November 14, 2006** (11:59 pm EST) to <www.acs.org/meetings>. Click on the CHED division and select the URPS site that is appropriate to the subject of your paper. Please follow the directions carefully.

For further information, contact:

LaTrease Garrison
ACS Student Affiliates Program
1155 Sixteenth Street, NW
Washington, DC 20036
Tel: (800) 227-5558, ext. 6166
e-mail: SAprogram@acs.org ◇

Abstract

Continued from page 5

job placement of those students who have participated. In the last 12-18 months, all of our physical science departments, as well as the science education PhD program, have begun to work together on an ambitious plan to expand and institutionalize IDEA (Instructional Development & Educational Assessment) within their departments. ◇

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NESACS YCC Wins Award

NESACS Finalist for Two ChemLuminary Awards in San Francisco.



I. Korendovych receiving ChemLuminary award from Katherine Glasgow, Chair of the ACS Younger Chemists Committee and Katie Hunt, ACS President-Elect. Photo by Morton Hoffman.

The Northeastern Section was a finalist for two awards at the 8th Annual ChemLuminary event at the San Francisco ACS national Meeting on September 12, 2006: the Outstanding Local Section Career Program Award (for large to very large sections), which was presented to the North Jersey Section, and the Outstanding Local Section Younger Chemists Committee Award, which it won over the Delaware and San Diego Sections.

The NESACS YCC was honored for its activities in 2005, which included a career fair, the Northeast Student Chemistry Research Conference, and its exchange program with the *Jungchemikerforum* of the German Chemical Society. Ivan Korendovych, the 2005 Chair of the NESACS YCC, received the award from Katherine Glasgow, Chair of the ACS Younger Chemists Committee, and Katie Hunt, ACS President-elect.

(Submitted by Morton Z. Hoffman) ◇

Sukant Tripathy Memorial Symposium at UMass Lowell

The University of Massachusetts Lowell will hold an anniversary symposium on December 1, 2006, from 8:15 a.m. to 4:30 p.m. at the MIL Conference Room, Wannalancit Mills, 600 Suffolk St., Lowell, MA 01854. This symposium is held annually to honor the memory of the late Prof. Sukant Tripathy, renowned researcher and former Director of the Center for Advanced Materials, University Provost and Vice Chancellor. This event brings together researchers and colleagues from universities and industries, as well as present and former students and associates of the Center for Advanced Materials to discuss latest research activities in materials science.

The following speakers are scheduled for this year's program:

Kirpal Bisht, University of South Florida; **Russell Guadiana**, Konarka Technologies Inc.; **Randy Holmes-Farley**, Genzyme Pharmaceuticals, Inc.; **Zakya Kafafi**, Naval Research Laboratory; **David Kaplan**, Tufts University; **Gregory Sotzing**, University of Connecticut; **Bal Ram Singh**, University of Massachusetts, Dartmouth; **Phillip Westmoreland**, University of Massachusetts, Amherst.

Pre-registration is required by Nov. 20, 2006 to Michele_Vercellin(at)uml.edu. Lunch and refreshments will be provided.

All updates about this symposium will be posted on the website www.uml.edu/tripathysymposium/ or you may contact Michele_Vercellin(at)uml.edu or 978-934-3695 ◇

David M. Howell

1925–2006

David M. Howell died July 21, 2006 at the age of 81.

He had been a member of ACS and the Northeastern Section for over fifty years. David received his bachelor's degree in chemistry at Berkeley. His graduate studies were at the University of Michigan where he earned M.S. (1947) and Ph.D. (1952) degrees. He came to Boston to teach at Northeastern University in 1951, and continued his career there until his retirement in June 1990.

“Dave was a dedicated teacher who was always ready to help students with problems. He was faculty advisor to the NU ACS chapter for many years and guided the chapter to win several awards. By extensive reading, he accumulated an enormous assortment of chemical facts and figures that enabled him to serve as a source of esoteric information. Outgoing and friendly, Dave was always ready to undertake special assignments for the Chemistry Department.” —Professor Karl Weiss.

His contributions to the Northeastern Section were many. Early in the sixties he was elected Treasurer and Alternate Councilor. After the death of Avery Ashdown, the editorship of *the Nucleus* was held briefly by Dr. Brauner, but in October 1971, David was called upon to become editor. He edited *the Nucleus* for the next four years, only giving up the post in May 1975, during the 70's rebellion. He remained Alternate Councilor throughout his years at this Section with very few gaps. He was elected Secretary of the Section during the mid-eighties. His role had been that of Mr. Reliable and he capably filled each post he held.

David was married to Valeska for 56 years. He is also survived by a son, Stephen and a daughter, Elisabeth, five grandchildren and two great grandchildren. -MSS ◇

In Celebration of National Chemistry Week
**The Fifteenth Annual ACS Northeast
Regional Undergraduate Day**
Saturday, November 4, 2006

*Hosted by the Department of Chemistry, Boston University, and Chemia
Sponsored by the Northeastern Section of the American Chemical Society*

- 9:00** *Registration* (Life Sciences and Engineering Building, 24 Cummington St., Boston)
- 9:30** *Welcoming Remarks*
Professor Guilford Jones, Chair, Chemistry Department, Boston University
Ruth Tanner, Northeastern Section of the ACS
Deborah Jue, President, *Chemia* (ACS Student Affiliates Chapter at B.U.)
- 9:45** *Keynote Address:*
Professor John Essigman, MIT, “*Design of Novel Anticancer Agents that Hijack Transcription Factors*”
- 10:30** *Coffee break*
- 10:45** *Research Talk*
Dr. Les Dakin, AstraZeneca Pharmaceuticals LP: “*Strategies in Rational Drug Design for Oncology Targets*”
- 11:30** *Workshop and Seminar* (choose one)
Professor Alex Golger, Boston University: “*Fascinating Demonstrations in Chemistry*”
Professor Scott Schaus, Boston University: “*Choosing a Graduate School*”
- 12:00** *Graduate School/Industry Fair* (12:00–1:15 p.m.)
- 12:30** *Lunch*
- 1:15** *Research Talk:*
Professor Pinghua Liu, Boston University: “*Chemical Basis of Biological Clocks*”
- 2:00** *Dr. Sarathy Kesavan*, Boston University, CMLD:
“*Development of Chemical Methodologies to Produce Novel Molecules at the CMLD-BU*”
(includes a tour of the B.U. Center for Chemical Methodology and Library Development)
- 2:45** *Adjournment*

There will be a \$10 registration fee to cover partially the cost of lunch, which will be provided, and workshop materials.

If you would like more information or directions, or if your school or company would like to send a representative to the Graduate School and Industry Fair, please contact Matt Vigneau at 617–353–6548; fax: 617–353–6466; email: mvigneau@chem.bu.edu.

SUMMARY OF GOVERNANCE ACTIONS/REPORTS

AMERICAN CHEMICAL SOCIETY
232nd ACS NATIONAL MEETING
SAN FRANCISCO, CA
SEPTEMBER 10-14, 2006

ACTIONS OF THE COUNCIL

Election Results

The Committee on Nominations and Elections presented to Council the following slate of nominees for membership on the Committee on Committees for the 2007-2009 term: Theodore M. Brown, H. N. Cheng, Milagros Delgado, Alan M. Ehrlich, Roland F. Hirsch, Neil D. Jespersen, Melanie J. Lesko, Vincent M. Mautino, Les W. McQuire and Charles F. Rowell. By written ballot the Council elected H. N. Cheng, Milagros Delgado, Neil D. Jespersen, Les W. McQuire and Charles F. Rowell.

The Committee on Nominations and Elections presented to Council the following slate of nominees for membership on the Council Policy Committee for the 2007-2009 term: Martha L. Casey, Dwight W. Chasar, M. Elizabeth Derrick, Thomas R. Gilbert, Joe W. Hightower, Barbara J. Peterson, Robert A. Pribush, and H. David Wohlers. By written ballot the Council elected Martha L. Casey, M. Elizabeth Derrick, Thomas R. Gilbert and Joe W. Hightower.

The Council Policy Committee presented to the Council the following slate of nominees for membership on the Committee on Nominations and Elections: V. Dean Adams, G. Bryan Balazs, Merle I. Eiss, Marie G. Hankins, Charles P. Rader, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silber, Ellen B. Stechel and Don B. Weser. By written ballot the Council elected Merle I. Eiss, Barbara A. Sawrey, Sharon P. Shoemaker, Herbert B. Silber and Ellen B. Stechel.

Candidates for President-Elect and Board of Directors

The candidates for the fall 2007 ACS national election were announced as follows:

President-Elect 2007

Bruce E. Bursten, University of Tennessee, Knoxville
Yorke E. Rhodes, Retired - New York University, New York
Bassam Z. Shakhashiri, University of Wisconsin, Madison
James A. Walsh, Retired - John Carroll University, Florida

Directors-at-Large – 2007-2009

William H. (Jack) Breazeale, Jr. College of Charleston, South Carolina
Dennis Chamot, National Research Council, Washington, D.C.
Peter K. Dorhout, Colorado State University, Ft. Collins
Paul R. Jones, University of North Texas, Denton
Valerie J. Kuck, Retired - Bell Labs, New Jersey
Dorothy J. Phillips, Waters Corporation, Massachusetts
Marinda L. Wu, Science is Fun! Company, California

Director, District I 2007-2009

Thomas R. Gilbert, Northeastern University, Boston
Anne T. O'Brien, Consultant (Retired – Wyeth-Ayerst Research), Tarrytown

Director, District V 2007-2009

John E. Adams, University of Missouri, Columbia
Judith L. Benham, Retired – 3M Company, Minnesota

Petitions for Consideration

The Council received three petitions for consideration: Petition on Election Procedures 2006; Petition on Multi-Year Dues; and a Petition on Rules for Nominating Members of Nominations and Elections for National Offices. A brief discussion ensued on the Petition on Rules for Nominating Members of Nominations and Elections for National Offices. Action is expected on these petitions at the 2007 spring national meeting in Chicago.

Committee Review and Committee Change in Status

As part of a regular review, the Council VOTED to continue the Committee on Public Relations and Communication, the Committee on Environmental Improvement, and the Committee on International Activities subject to concurrence by the Board of Directors. The Council also VOTED to support the request of the Committee on Community Activities that its status be changed from an "other committee" of the Board to a joint Board-Council Committee. The purpose of the Committee on Community Activities is to improve the public perception of chemistry by providing programs to connect chemists with their communities.

Governance Review

The Council received a report from the Council Policy Committee on activities related to Governance Review. The Board-CPC Governance Review Task Force generated 23 ideas following initial interaction with the Board, Council, Committees and other interested members. A joint meeting of the Board of Directors and CPC was held at this meeting to prioritize the 23

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Fax: (731)721-6835

www.chemodynamics.com
E-Mail: info@chemodynamics.com



Governance

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ideas into three categories: to advance the idea as worthy of further consideration by the cognizant committee and/or interested groups; to refine the idea which will be sent back to the Governance Review Task Force for further consideration; or to place the idea in a "stop" category as an idea that will receive no further consideration as part of the governance review. Councilors received a listing of the 23 ideas organized into the three categories as prioritized jointly by the Board and CPC.

Registration Report and 2007 National Meeting Registration Fee

As of September 12, 2006, the ACS fall national meeting had attracted 15,603 registrants. Totals in select categories are as follows: Regular attendees 9,373; Students 3,350; Guests 510; Exhibit Only 504; and Exhibitors 1,666. The Committee on Meetings and Expositions reported that national meeting financial targets continue to be met, and therefore recommended to the Board of Directors that there be no increase in national meeting registration fees for 2007.

The Society's Membership

The Committee on Membership Affairs reported that through August 2006, a record 12,137 new applicants have been added to the Society's membership, and that the Member-Get-A-Member campaign is well on its way to the goal of 1,000 new members in this year.

Special Discussion Item

A special discussion item was again put on the Council agenda. The discussion focused on ensuring the American Chemical Society's future by engaging younger members throughout the Society's volunteer leadership. ACS President E. Ann Nalley framed the discussion by presenting the results of a councilor survey on the topic and many councilors offered useful comments and suggestions.

Review of the Chemical Professional's Code of Conduct

The Committee on Economic and

Governance

Continued from page 10

Professional Affairs submitted its latest version of the Chemical Professional's Code of Conduct for Council review. This document offers guidance for Society members in various professional dealings, especially those involving conflicts of interest.

ACTIONS OF THE BOARD OF DIRECTORS

The Board's Committees and Task Forces

The Board of Directors voted to recommend a nominee for both the 2007 Perkin Medal and the 2007 Othmer Gold Medal. The Perkin Medal, the highest award of the Society of Chemical Industry, is awarded for outstanding contributions to American industrial chemistry. The Othmer Gold Medal recognizes a chemical scientist of multiple talents and achievements and is awarded by the Chemical Heritage Foundation. The Board also received a report from the ACS Petroleum Research Fund Steering Committee. The Steering Committee has been charged with developing a set of focusing proposals that will be important to the future success of the Fund.

On the recommendation of the Board Committee on Professional and Member Relations, the Board voted the following:

- To approve revisions to the Guidelines for Society Cosponsorships with other organizations;
- To proceed with "phase one" plans to arrange the 2008 ACS/AICHe joint meeting, which involves working within the framework of the cosponsorship guidelines, engaging the support of the relevant technical divisions, and developing a suitable budget;
- To approve the request for cooperative cosponsorship of Pacifichem 2010, to be held December 14-19, 2010, in Honolulu, Hawaii, contingent upon approval of an acceptable budget for the conference.

The Board received and expressed support for a report presented by its Contingency Planning Working Group. The Contingency Planning Working Group was charged with developing a set of actions that could be undertaken if risks became reality for the Society. The Board's Task Force on the Timing of Committee Appointments also presented a report. This task force was asked to review the timing of committee appointments and seek opportunities to engage the Board Chair and President earlier in the appointment process. The Board also discussed plans for a third conference in Malta entitled, *Frontiers of Chemistry III: Research and Education in the Middle East* and agreed to recommend inclusion of \$50,000 for this meeting in the 2007 budget. The conference will take place in December 2007.

The Society's Mission

On the recommendation of the Committee on Planning, the Board voted to adopt a revised ACS mission statement: *"To advance the broader chemistry enterprise and its practitioners for the benefit of Earth and its people."*

The Society's Publications

The Board voted to approve the reappointment of several of its journal editors.

The Society's Staff

The Board received a report from the Executive Director/CEO and several of her senior staff members on the activities of the Publications Division, Chemical Abstracts Service, Human Resources, the Web Presence Project, and the Society's General Counsel. On the recommendation of the Committee on Executive Compensation, the Board agreed to a proposed list of 2007 or organizational objectives. The Board also received a status report from its consultants, who are helping to review the Society's executive compensation system. The compensation of the Society's executive staff receives regular review by the Board.

The Society's Finances

The Board, through the Committee on Budget and Finance, voted to approve funding requests for the Society's Green Chemistry Institute and for workshops with Hispanic and Native American-serving institutions and to

Continued on page 13

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New Faculty at NESACS Institutions

TUFTS UNIVERSITY

Sergiy Kryatov

Lecturer

Area of research interest:

Inorganic and bioinorganic chemistry

E-mail: skryat01(at)tufts.edu

Awards:

- 1996 Soros High School Teacher Award given by International Soros Science Education Program in Ukraine
- 1994 Special Award of Ministry for Education of Ukraine for the contribution to Science Olympiads among high school students
- 1990 The third top score at the USSR Chemistry Olympiad for Undergraduate Students (can be compared to a top score in Advanced Chemistry GRE).
- 1986 Silver Medal at the 18th International Chemistry Olympiad (Leiden University, the Netherlands).
- 1983 - 1986 First prizes at the Ukraine and USSR Chemistry Olympiad for High School Students.

BOSTON UNIVERSITY

The following faculty are new to the chemistry dept at Boston University. Starting in September 2006

Linda Doerrer

Assistant Professor of Chemistry, Specialist in inorganic chemistry with a focus on the synthesis and properties of new materials.

Brandon Xia,

Assistant Professor of Bioinformatics and Chemistry computational chemistry.

Starting January 07

Bjoern Reinhard

Assistant Professor of Chemistry Specialist in experimental physical chemistry with strong interests in the application of methods to biological systems.

BOSTON COLLEGE

James P. Morken

Professor

1989 B.S., U. California, Santa Barbara

1995 Ph.D., Boston College

1995 Post-Doc, Harvard University

1997 Asst. Prof. U. North Carolina

2002 Assoc. Prof. U. North Carolina

Recent Honors & Awards

- National Science Foundation CAREER Award, 1998 - 2003
- David & Lucile Packard Foundation Fellow in Science & Engineering, 1998 - 2003
- Sloan Research Foundation Fellowship, 2002 - 2004

Jason S. Kingsbury

Assistant Professor

1997 B.A., Hamilton College

2001 Ph.D., Boston College

2003 Post-Doc, Harvard University

Recent Honors & Awards

- NIH Postdoctoral Fellowship, 2003
- Boston College Outstanding Graduate Student Award, 2002
- National Science Foundation Predoctoral Fellowship, 1998

Kian L. Tan

Assistant Professor

1999 B.S., University of Virginia

2004 Ph.D., U. California, Berkeley

2004 Post-Doc, Harvard University

Recent Honors & Awards

- Ruth L. Kirschstein National Research Service Award, 2004
- American Chemical Society, Division of Organic Chemistry Fellowship, 2002
- Bristol-Meyers Squibb Fellowship, 2001

ST. ANSELM COLLEGE

Deno DelSesto

Instructor

Area of research interest: Molecular Beams

E-mail: ddelsesto(at)anselm.edu

NORTHEASTERN UNIVERSITY

Penny J. Beuning

Assistant Professor

Area of research interest: Chemical biology and biotechnology, DNA damage tolerance

Email: beuning(at)neu.edu

Awards:

- Camille & Henry Dreyfus New Faculty Award, 2006
- Damon Runyon Cancer Research Foundation Postdoctoral Fellowship, 2001-2004

Eugene S. Smotkin

Professor

Area of research interest: Analytical chemistry

Email: e.smotkin(at)neu.edu

Zhaohui Sunny Zhou

Associate Professor

Area of research interest: Bioanalytical and Bioorganic Chemistry

Email: z.zhou(at)neu.edu

Awards:

- Young Faculty Performance Award, College of Sciences, Washington State University

John R. Engen

Associate Professor

Area of research interest: Bioanalytical chemistry and mass spectrometry

Email: j.engen(at)neu.edu

Awards:

- Sigma Xi Young Investigator Award, New Mexico Chapter, May 2005
- Fellow, European Molecular Biology Organization

Max Diem

Professor

Area of research interest: Physical and Biophysical Chemistry, Bio-imaging, optical diagnosis

Email: m.diem(at)neu.edu

Awards:

- 2000 Lester W. Strock Award, Society for Applied Spectroscopy, for outstanding work in vibrational spectroscopy.
- 2006 Society for Applied Spectroscopy National Tour Speaker ◇

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Governance

Continued from page 11

include these funding amounts in the Society's 2007 proposed operating budget.


The Board also received a report from the Program Review Advisory Group (PRAG). PRAG is charged with reviewing programs of the Society (with some exceptions) on a periodic and regular basis. ♦

New Members

Invitation to attend a meeting

You are cordially invited to attend one of our upcoming Section meetings as a guest of the Section at the social hour and dinner preceding the meeting.

Please call Marilou Cashman at 800-872-2054, 508-653-6329 or: [Mcash\(at\)aol.com](mailto:Mcash(at)aol.com) by noon of the first Thursday of the month, letting her know that you are a new member. ♦


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Nov 1

Dr. Mansoor Amiji (Northeastern Univ.)
“Multi-functional Nanosystems for Imaging and Drug Delivery”
Northeastern Univ. Hurtig Hall Rm 129 12 Noon
Dr. Deyang Qu (U. Mass, Boston)
“TBA”
U. Mass., Dartmouth, Building Group II,
Room 115 4:00 PM

Nov 2

Prof. Sandor Keki (Univ. Debrecen)
“TBA”
U. Mass. Lowell, Olney Hall OH218
11:00 AM
Prof. E. L. Thomas (MIT)
Tripathy Endowed Memorial Lecture:
“TBA”
U. Mass Lowell, Alumni Library 3:30 PM
Michele Parrinello, ETH, Zurich, Switzerland.
“TBA”
Woodward Lecture Series in the Chemical
Sciences,
Harvard University, Pfizer Lecture Hall 5:00 PM
Prof. Steven Baldelli, (Univ. Houston)
“Sum Frequency Generation Spectroscopy and
Imaging of Surfaces”
Boston College, Merkert 130 4:00 PM

Nov 6

Lubert Stryer (Stanford Univ. Medical School)
“Light and Life”
Frank H. Westheimer Prize Lecture
Harvard, Pfizer Lecture Hall 4:15 PM
Prof. Dean Toste (Berkeley)
“TBA”
Brandeis Univ. Gerstenzang 122 3:45 PM
Stephen Leone (U.C. Berkeley)
“Ultrafast Coherent Dynamics in Molecules and
Nanomaterials”
MIT 56-114 4:30 PM

Nov 7

Prof. F. Dean Toste, (U.C., Berkeley)
“TBA”
Boston College, Merkert 130 4:00 PM

Nov 8

Dr. Amy Howell, (U. Conn.)
“Unusual Oxetanes as Intermediates in Organic
Synthesis”
Northeastern Univ. 129 Hurtig Hall 12 noon
Dr. Roy Planalp, (Univ. New Hampshire,
Durham)
“TBA”
U. Mass, Dartmouth, Building Group II,
Room 115 4:00 PM

Nov 9

Prof. Fotis Papadimitrakopoulos (U. Conn.)
“TBA”
U. Mass Lowell, Olney Hall OH218 3:30 PM
Teri Odom (Northwestern Univ.)
“TBA”
Harvard, Pfizer Lecture Hall 4:00 PM
Prof. Torsten Fiebig, (Boston College)
“DNA Photonics - Probing the Electronic Prop-
erties of DNA”
Boston College, Merkert 130 4:00 PM

Nov 13

Prof. Huw Davies (Univ. Illinois)
“TBA”
Brandeis Univ. Gerstenzang 122 3:45 PM

Nov 14

Prof. Harry Gray (California Institute of
Technology)
“The Currents of Life: Electron Flow through
Metalloproteins”
Tufts Univ. Pearson Chemistry Building,
Room P106 4:30 PM
Andrew Miranker (Yale)
“The physical basis of protein self-assembly in
type II diabetes”
MIT, 56-114 4:00 PM
Prof. David E. Cane (Brown Univ.)
“TBA”
Boston College, Merkert 130 4:00 PM

Nov 15

Dr. Patricia Reggio (Univ. North Carolina,
Greensboro)
“TBA”
Northeastern Univ. 129 Hurtig Hall 12 noon
Dr. Brenton deBoef (Univ. Rhode Island)
“TBA”
U. Mass Dartmouth, Building Group II,
Room 115 4:00 PM
Thomas J. Meyer (Univ. North Carolina, Chapel
Hill)
“Proton Coupled Electron Transfer”
MIT, 6-120 4:00 PM

Nov 16

Prof Brian Coppola (Univ. Michigan)
“Ending Pedagogical Solitude”
Univ. of New Hampshire Iddles Auditorium,
Room L103
11:10 AM
Prof. Virgil Percec (U. Penn)
“Reconstructing the Cell Membrane”
U. Mass Lowell, Olney Hall OH 518 3:30PM
Dan Rugar, (IBM Almaden Research Center)
“Magnetic resonance force microscopy: The
quest for a molecular structure microscope”
MIT, Room 6-120 5:00 PM

Dr. William Chameides, (Environmental
Defense Fund)
“Why an Academic Left the Hallowed Halls to
Advocate for Action on Global Warming”
Boston College, Merkert 130 4:00 PM

Nov 20

Prof. Alice Ting (MIT)
“New Chemical Reporters for Studying Protein
Function and Trafficking in >the Context of
Living Cells.”
Brandeis Univ. Gerstenzang 122 3:45 PM
Jay Groves (University of California, Berkeley)
“Spatial regulation of receptor signaling via
membrane mechanics”
MIT 56-114 4:30 PM

Nov 21

Dr. Albert Stolow (National Research Council,
Canada)
“TBA”
Boston College, Merkert 130 4:00 PM

Nov 27

Chuan He (Univ. Chicago)
“Mechanisms for Antibiotic Resistance,
Virulence, and Metal Ion Regulation in Bacteria”
Harvard, Pfizer Lecture Hall 4:15 PM

Nov 28

Prof. Benjamin T. King (Univ. Nevada, Reno)
“TBA”
Boston College, Merkert 130 4:00 PM

Nov 29

Dr. Paul Williard (Brown Univ.)
“Structure and Reactivity of Organolithium
Compounds”
U. Mass, Dartmouth, Building Group II,
Room 115 4:00 PM
Prof. Eduardo Perozo, (University of Chicago)
TBA
Brandeis Univ, Gerstenzang 122 3:45PM
Dr. Michael Whangbo (North Carolina State
Univ.)
“Chemical Bonding and Magnetism”
Northeastern Univ. 129 Hurtig Hall 12 noon

Nov 30

Takamasa Momose, (Univ. British Columbia)
“Spectroscopy and Dynamics of Molecules in
Solid Parahydrogen and in He Droplets: An
Approach toward Manipulation of Cold
Molecules”
Harvard Pfizer Lecture Hall 4:00pm to 5:00pm

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