



THE REACTION TIMES

All the news that's fit to react to.

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Winter Newsletter

February, 2005

Gibbs, Aube Join ACS Executive Committee

In Division elections that were held during October, Richard Gibbs (Purdue University) was elected Vice Chair, and Jeff Aube (University of Kansas) was re-elected as academic councilor. **Voter turnout was the lowest in Division history, with 748 ballots cast (7.3% of Division members).** The 2005 Executive Committee members are:

2005 Chair: Dan Flynn

2005 Program Chair: David P. Rotella

2005 Vice-Chair: Richard A. Gibbs

Industrial Councilor 2003-05: Ruth Wexler

Industrial Councilor 2004-06: James Monn

Academic Councilor 2005-07: Jeff Aube

Academic Councilor 2003-05: Duane Miller

Alternate Councilor 2003-05: Thomas Perun

Alternate Councilor 2004-06: Joel Barrish

Alternate Councilor 2005-07: Kenneth Kirk

Alternate Councilor 2003-05: John Schwab

Secretary/PR Chair 2005-07: Patrick M. Woster

Membership Chair: Yanping Xu

Treasurer 2003-2005: B.K. Trivedi

2005 Past Chair: Kenneth A. Jacobson

Contact information for all Division Officers appears at the end of this Newsletter

Abstract Books Available On-line

Beginning in 2005, abstract booklets will no longer be provided to Division members in hard copy form. Members are encouraged to access abstracts online at at :

<http://www.chemistry.org>

Instructions for using online abstracts appeared in the Summer, 2004 Newsletter, archived at:

<http://www.acsmedchem.org>

Final Program for the San Diego ACS Meeting (March 13–17, 2005)

For complete program see <http://www.acsmedchem.org>

SUN AM	Cannabinoid Receptors
SUN AM	General Oral Session I
SUN PM	First Time Disclosures
SUN EVE	Poster Session I and Social Hour
MON AM	EFMC Session – P Glycoprotein
MON AM	Biological Tools in Drug Discovery
MON PM	Druggable Targets - Lipidomics
MON PM	Gene Expression in Med. Chem.
TUES AM	Award Symposium
TUES PM	General Oral Session II
TUES PM	5HTC2/High Order 5HT Receptors
WED AM	Kinase Inhibitors – Antiinflamm.
WED AM	Histone Deacetylase Inhibitors
WED PM	Kinase Inhibitors - Anticancer
WED PM	Drug Resistant TB
WED EVE	Poster Session II
THURS AM	General Oral Session III
THURS AM	From Bench to Pilot Plant

Program for the Washington DC ACS Meeting (Aug. 28-Sept. 1, 2005)

OASYS opens 2-28, closes 4-29-05 (4-15-05 for hard copies)

SUN AM	Pain Therapy
SUN AM	General Oral Session I
SUN PM	Predictive Discovery Methods
SUN PM	CRF Antag/Anxiety/Depression
SUN EVE	Posters and Social Hour
MON AM	Grad Fellows/Robertson Symp.
MON PM	Neurodegenerative Diseases
MON PM	Nuclear Hormone Receptors
TUES AM	Hirschberg Award Symposium
TUES PM	General Oral Session II
TUES PM	Biomarkers and PET Imaging
WED AM	Murray Goodman Symposium
WED AM	Co-program: Div of Chem. Tox
WED PM	Cysteine Protease Inhibitors
WED PM	MC4R Agonists and Antagonists
WED EVE	Poster Session II
THURS AM	General Oral Session III
THURS AM	Fragment-Based Discovery



ACS DIVISION OF MEDICINAL CHEMISTRY

2005-2006 Predoctoral Fellowships

The ACS Division of Medicinal Chemistry announces the continuation of its Predoctoral Fellowship program. Seven \$22,000 fellowships will be awarded in 2005. The awards are for predoctoral students in their third or fourth year of graduate study (second or third year of graduate study at the time of application) engaged in medicinal chemistry research in a Medicinal Chemistry, Pharmaceutical Chemistry, Biochemistry, or Chemistry department listed in the current ACS Directory of Graduate Research.

Nominations should be submitted by the applicant's Ph.D. advisor and should include a complete student curriculum vitae, including education and work experience; a student bibliography, including reprints of articles; a complete project description including rationale (five-page limit) prepared by the candidate; transcripts of all post-high school work, including Graduate Record Examination scores (if available); three letters, including a nomination letter from the student's research advisor; and a letter from a university official with a commitment to cover tuition and all fees granted to other regular graduate students.

Applicants must be U.S. citizens or permanent resident visa holders at the time of application and must have at least one year of graduate school remaining at the time an award would begin- September 1, 2005. Additional information (including a complete set of guidelines) can be obtained from Kenneth A. Jacobson, Ph.D., Chief, Molecular Recognition Section, Laboratory of Bioorganic Chemistry, NIDDK, NIH, Bldg. 8A, Rm. B1A-19, 10 Center Dr., Bethesda, MD 20892-0810; phone: (301) 496-9024; FAX (301) 480-8422; email: kajacobs@helix.nih.gov. Eight copies of all application materials for the awards are due to Ken Jacobson, at the above address, **no later than March 1, 2005**.

Division Employment Services

Advertise your postdoctoral, academic, industrial or government positions free of charge in the MedChem Employment section of the Division Homepage at:

<http://www.acsmedchem.org/employ.html>.

Send requests and position ads to Pat Woster at pwoster@wayne.edu

Division Travel Grants

The Division of Medicinal Chemistry makes 14 grants of \$600 available annually to aid young chemists in presenting papers at the ACS National Meetings. Applicants must be ACS members (student or affiliate) and not have previously received a travel award. Each University department can have only one awardee. Application deadlines are the same as the abstract deadline for each meeting. In order of priority, the following individuals will be considered for awards: Graduate Student, Postdoctoral Fellow, individual with less than five years post-Ph.D. experience. Scientific merit of the paper to be presented will also be considered. Send applications to:

David P. Rotella, Ph.D.
Lexicon Pharmaceuticals
350 Carter Road
Princeton, NJ 08540
Phone: 609-466-5563
drotella@lexpharma.com

Awardees will be notified in sufficient time so that the awardee can pre-register for the meeting. Awards are made at the Division business meeting, which is held at each national meeting immediately before the Sunday night poster session and mixer. Address info and a complete application for the award appears on page 4.

CALL FOR PAPERS 230th NATIONAL ACS MEETING Washington, DC (August 28-September 1, 2005, 2005)

**OASYS System Open February 28, 2005.
Abstracts Due April 29, 2005.**

You are invited to submit an abstract for a research presentation at the 230th National Meeting of the American Chemical Society, to be held August 28-September 1, 2005 in Washington DC. All abstracts should be submitted online using the OASYS system, which will be available for the Washington meeting on February 28. The deadline for submission of abstracts will be April 29, 2005 (hard copies due April 15th). This date will also be the deadline for submission of travel grant applications, as outlined above and on page 4 of this Newsletter. Please watch the Division Homepage, located at:

<http://www.acsmedchem.org/>

for additional information and online abstracts prior to the meeting. For more information on programming or abstract submission, contact the Program Chair, Dave Rotella at drotella@lexpharma.com.

31st National Medicinal Chemistry Symposium Slated for Seattle

The Division is pleased to report that the 31st National Medicinal Chemistry Symposium will be held in Seattle, WA. The tentative dates for the conference are June 25-29, 2006, at a location on the University of Washington campus, about 3.5 miles north of downtown Seattle. For more information on the University of Washington, see:

<http://www.washington.edu/uwin/>

ACS Division of Medicinal Chemistry Student Travel Grants



APPLICATION FORM TO BE SUBMITTED WITH ABSTRACT

* Name of Applicant for Travel Grant _____

* Degree: _____ Year Obtained _____

* Present Institution: _____

* Department: _____

* Work to be reported was (check one or more):

- a. Ph.D. Thesis _____
- b. M.S. Thesis _____
- c. Postdoctoral Fellowship _____

*Supported by (indicate source of support for this work):

- a. Grant _____
- b. Department _____
- c. Other _____

Send the completed application materials to:

David P. Rotella, Ph.D.
Lexicon Pharmaceuticals
350 Carter Road
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Phone: 609-466-5563
drotella@lexpharma.com

Daniel H. Rich Selected to Receive 2005 Smissman Bristol MyersSquibb Award



Daniel H. Rich, Ph.D., Ralph F. Hirschmann Professor, School of Pharmacy and Department of Chemistry, University of Wisconsin-Madison, has been selected as the recipient of the 2005 Smissman Bristol Myers-Squibb Award of the ACS Division of Medicinal Chemistry. The award will be presented at the Fall, 2005 meeting of the American Chemical Society in Washington, DC. The Award is made biennially in odd-numbered years to a living scientist whose research, teaching, and/or service has had a substantial impact on the intellectual and theoretical development of the field of medicinal chemistry.

Dr. Rich is a leading researcher in medicinal chemistry, as a result of his research that has focused on the design and synthesis of protease inhibitors, the conformational aspects of cyclic peptides, enzyme inhibition, and molecular modeling. He has published widely on enzyme kinetics and synthetic methods for unusual amino acids and peptide chemistry, including useful protecting groups. He is well known for his work on the peptide toxins and inhibitors of HIV and aspartyl proteases, which are highly important in therapeutics. Our basic understanding of the effects of conformation on the biology of peptides has been greatly advanced through the efforts of Dr. Rich's laboratory.

Dr. Rich's research accomplishments have earned him recognition from educational and scientific organizations worldwide. Among his numerous awards are the Div. of Medicinal Chemistry Award (1992), the Ralph F. Hirschmann Award (1993), and the Arthur C. Cope Scholar Award (1999), all from the ACS. He won the G. H. Hitchings Award for Innovative Methods in Drug Discovery and Design (1992) from the Wellcome Foundation and the R. Bruce Merrifield Award (1999) from the American Peptide Society. Dr. Rich was also recognized by the American Association of Pharmaceutical Scientists with the Research Achievement Award (1992). He was elected a Fellow in the AAAS (1986). His research and educational contributions have also been recognized by universities worldwide. Most recently, he was awarded the Smissman Lectureship at the University of Kansas in Lawrence and an "Outstanding Alumni Award" from the University of Minnesota Institute of Technology (2004).

Dr. Rich has organized numerous scientific conferences, including the American Peptide Symposium, Gordon Research Conferences, and the 29th ACS National Medicinal Chemistry Symposium. He has trained over 35 Ph.D. graduate students and an additional 50 postdoctoral students, some of whom have risen to positions of prominence in academia and the pharmaceutical industry. He has published over 250 research papers, books, chapters, and patents. Dr. Rich has served in editorial capacities for many journals, including Associate Editor of *Journal of Medicinal Chemistry* and most recently, *Organic Letters*. He also served the ACS Division of Medicinal Chemistry as Chair in 1992.

Dr. Rich received his B. Chem. with distinction from the University of Minnesota, and his Ph.D. in organic chemistry from Cornell University. His postdoctoral training was with Vincent du Vigneaud at Cornell and with W.S. Johnson at Stanford University.

David W. Robertson Award for Excellence in Medicinal Chemistry

The Division of Medicinal Chemistry is accepting nominations for the David W. Robertson Award for Excellence in Medicinal Chemistry. This annual award, supported by Pfizer, Inc., is in memory of David W. Robertson, a widely respected, highly successful and creative medicinal chemist and is intended to recognize seminal contributions by young scientists to medicinal chemistry. Nominees, who must be age 40 or younger at the time of nomination, can be employed in academia, industry, government or by a private research organization and must be engaged in the research of biologically active substances. The nominee must have had a primary role in the discovery of a novel therapeutic agent(s), target(s), theoretical concept(s) in medicinal chemistry or drug discovery, and/or made a significant scientific discovery that enhances the field of medicinal chemistry.

Nomination packages must include a current *curriculum vitae*, a primary letter of recommendation that clearly describes the contribution(s) and accomplishment(s) of the nominee, the role the individual played in the discovery or discoveries for which he/she is being nominated, and a second supporting letter from someone familiar with the work being recognized. The complete package (4 copies) should be sent to Dr. Bharat Trivedi by March 4, 2005. The awardee will receive a plaque, an honorarium, and be invited to present his/her research at an award symposium organized by the Division of Medicinal Chemistry at the Fall National Meeting of the American Chemical Society. Send nomination packages to: Dr. Bharat K. Trivedi, Director, Medicinal Chemistry, Pfizer Global Research & Development, 2800 Plymouth Road, Ann Arbor, Michigan 48105, Bharat.Trivedi@pfizer.com

Call for Site Proposals for 32nd National Medicinal Chemistry Symposium

The site for the 2008 National Medicinal Chemistry Symposium has not yet been identified, and the Division is soliciting proposals for a site for the 2008 symposium and beyond. The NMCS is held in even years, and the meetings are sponsored by a University with cosponsorship by an industrial partner. If you are interested in submitting a proposal for consideration by the Executive Committee, contact Dave Rotell at drotella@lexpharma.com for more information.

Division Scientific Program and Abstract Book Archive

Beginning in 2005, all Division scientific program documents and abstract books will be archived online. A limited number of past abstract books dating to 2002 are also available. These documents can be downloaded in .pdf format through the Division WWW page.

ACSMEDI to Publish Division Directory in 2005

The Division is planning to publish a new directory of members in 2005, which will be available in CD format. All Division members will have an opportunity to review and update their information online before publication of the Directory. Watch the Division WWW site for details.

*****How to Change Your Contact Information and E-Mail Address*****

Division officers do not have the capability or authority to change member contact information, including E-mail addresses. All mailing lists used by the Division are generated by the ACS National office, and are used as supplied. Members can change their contact information by registering at <http://www.chemistry.org>, logging in, and selecting "Edit My Profile". You will need your ACS membership number during this process. The mailing lists supplied to the Division are updated quarterly, and all subsequent snail mail and E-Mail will be sent to the addresses you specify. **Members are encouraged to check the accuracy of their contact information to ensure the receipt of all future Division mailings and electronic messages. A correct E-mail address is essential, since the Division has moved to an almost exclusively electronic format.**

ACS Division of Medicinal Chemistry Executive Committee 2005

1. Regular Executive Committee Members

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2. Alternate Councilors and Members-at-Large (Ad Hoc EC Members)

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We need your input! Send your suggestions for symposia for MEDI scientific programming at national ACS meetings to one of the members of the EC or Long Range Planning Committee