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The PHARMACOLOGIST

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Postmaster: Send address changes to: *The Pharmacologist*, ASPET, 9650 Rockville Pike, Bethesda, MD 20814-3995.



Experimental Biology 2004 held in Washington, DC

ASPET met with Experimental Biology '04, April 17-21, 2004, in Washington D.C. The major portion of the meeting was held in the new Washington, D.C. convention center, an imposing building of concrete and glass (see cover). Washington emerged from an extended period of cold and rain to host EB with warm and sunny days. The Opening Reception was held on the top floor of the new convention center where full-length windows provided a 180° view of the downtown landmarks. Pictures from many of the division activities can be found on the web sites for Cardiovascular Pharmacology, Molecular Pharmacology, and Neuropharmacology. (<http://www.aspet.org/public/divisions/cardiovascular/news.htm>, <http://www.aspet.org/public/divisions/molpharm/EB2004pix.htm>, and <http://www.aspet.org/public/divisions/neuropharm/news.htm>). Next year ASPET will meet with EB '05 in San Diego, CA. Note that the meeting is unusually early next year, starting April 2 and going through April 6.



Left: B.B. Brodie Award winner Thomas L. Poulos with his family after the Awards Ceremony.



Right: Pharmacia-ASPET Award winner Philip Needleman with ASPET President David Bylund at the Awards Ceremony.



Left: Goodman and Gilman Award in Drug Receptor Pharmacology Award winner Lee Limbird with her husband and ASPET President David Bylund.



Left: J. J. Abel Award winner David Siderovsky with his family and ASPET President David Bylund.



Right: P.B. Dews Award winner Joseph V. Brady receives his award from ASPET President David Bylund.





Past Presidents Allan Conney (l), Palmer Taylor, and William Dewey (r) confer at one of the many social events.



Division for Behavioral Pharmacology Best Paper Award Winners
L. to R: Graduate Student Best Paper winner, Sunmee Wee; Division Chair, Jonathan Katz; Division Past Secretary/Treasurer, Carol Paronis; and Postdoctoral Best Paper winner, Rajeev Desai.



Division for Systems and Integrative Pharmacology Best Paper Award Winner, John Dubinon, Jr, is flanked by Division Chair, George Christ, on the left and Secretary/Treasurer-Elect, Andre Dray.



Division for Drug Discovery, Drug Development & Regulatory Affairs Young Investigator Award Winners; L. to R: Division Chair, Willie Caldwell; Thomas Stover; Wu Yong; Dinesh Srinivasan; and Division Secretary/Treasurer, Ron Dundore.



Left:
Philip Needleman accepts the Pharmacia-ASPET Award in Experimental Therapeutics.

Right:
President-Elect Stephen Holtzman presents outgoing President David Bylund with a plaque and the thanks of the Society at the Business Meeting on Sunday evening.



AAHRPP Accreditation Taking Hold

By Marjorie A. Speers, Ph.D., Executive Director



The Association for the Accreditation of Human Research Protection Programs—founded in 2001 as a means for organizations to demonstrate their commitment to protecting research participants—is making progress in its efforts to create a voluntary, peer-reviewed, and educational accreditation program:

- Since May 2003, accreditation has been awarded to six organizations: Baylor Research Institute, Catholic Medical Center, Hunter Holmes McGuire VA Medical Center, New England Institutional Review Board, The University of Iowa, and Western Institutional Review Board. AAHRPP purposefully designed its program and accreditation standards to be applicable in the diverse settings where human research occurs.
- Many institutions are engaged in some stage of the accreditation process: reviewing policies and procedures, conducting the self-assessment, preparing for a site visit, or responding to the AAHRPP site visit report.
- The Department of Energy recently announced that its laboratories that conduct significant amounts of human research will seek accreditation in 2004.
- In September, the Centers for Disease Control and Prevention awarded AAHRPP a three-year grant to assess the role of accreditation in enhancing the protection of participants in public health research. Pilot measures will be developed and implemented in several locations, and then refined and made available to public health research partners to document and evaluate the impact of accreditation.
- The Secretary's Advisory Commission on Human Research Protection issued a preliminary report on accreditation in December: "The [Accreditation] Subcommittee supports the concept of accreditation of Human Research Protection Programs (HRPP's) for the protection of human subjects in research. Accreditation promises to be a useful mechanism for all organizations involved in human research that, like education and certification, leads to self-improvement of systems and outcomes." The subcommittee interviewed institutional officials from two AAHRPP-accredited organizations in its deliberations.

All of these activities indicate that accreditation is beginning to fulfill its promise as an effective mechanism for insuring that research organizations comply with federal regulations governing research, but more importantly, that they maintain comprehensive human research protection programs.

AAHRPP was founded three years ago by FASEB and six other national organizations in an environment of grave concern; because of the shutdowns of major research programs by the federal government, research programs overall were being intensely scrutinized by lawmakers and by the media. Congressional bills to regulate research more rigorously were introduced in both the House and the Senate.

AAHRPP came together as a means for self-regulation by the research community. If research organizations were willing to subject themselves to a rigorous process of peer review and education, then further regulation could be avoided. Although high-profile research incidents have not occurred in several years, there is still interest among legislators in further regulating this area, as demonstrated by Rep. Diana DeGette's introduction of a bill in the House last November.

We welcome your questions about any aspect of the AAHRPP accreditation program.

Information: Marjorie Speers, mspeers@aahrpp.org, (202) 783-1112; Todd Bentsen, tbentsen@aahrpp.org, (202) 783-8133.

For more information on AAHRPP and what accreditation means to your research program and your institution, visit the web site.

<http://www.aahrpp.org>



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FASEB Directory

ASPET will not be providing the printed FASEB Directory to its members this year. You will be able to order the printed directory for \$35. This is a savings of more than 40% over the normal price.

Because many more people indicated they intended to purchase the directory than actually did, we will no longer be taking advance orders.

We will send out a separate order form this summer which you must return with payment, or you can fill out the form on page 45 of this issue of *The Pharmacologist*.



YES!

I would like to order a copy of the printed
2004-2005 FASEB Directory
for the ASPET member price of \$35.

Name:

Mailing Address:

City:

State:

Postal Code:

Country:

PAYMENT METHOD

Enclosed is my check (in US \$) for \$35 made payable to *ASPET*.

Please bill my credit card for \$35.

Credit Card:

VISA

MasterCard

American Express

Account Number:

Expiration Date (mm/yy):

Bank Code:

Signature (if submitted in hard copy)

Name as it appears on the credit card:

I give ASPET the authority to charge my credit card for the amount indicated on this form.





2005 Subscription Prices Set

The Board of Publications Trustees has set the 2005 subscription prices for ASPET's five journals. The annual subscription rate for *JPET*, *Pharmacological Reviews*, *Molecular Pharmacology*, and *Drug Metabolism and Disposition* will increase by 8% for print with online access. The price for *Molecular Interventions* will increase by 4%. Online-only access will be set at 90% of the print-with-online price.

In setting the 2005 prices, the BPT took into account the budget restrictions of college and university libraries, the need for the Society to at least at break even in its publication program, and the added value to subscriptions from the inclusion of soon-to-be-digitized back issues (see related below).

Prices for member print subscriptions will increase by 6%. Members have access to all of ASPET's online journals as a benefit of membership. The back-issue collection will be included with member access.

Back Issues to be Digitized

Every issue of every ASPET journal will be available online by early 2005. The Board of Publications Trustees approved a project to digitize the back issues of ASPET's journals so that the entire archive from volume 1, issue 1 of each journal will be available electronically.

HighWire Press, which hosts the Society's online journals, found a benefactor to provide free scanning of back issues. In addition, HighWire is waiving its management fee for this project. Other costs remain, but the price of scanning (approximately \$300,000) was the largest barrier to making back issues available. By increasing subscription prices slightly more than normal, ASPET will be able to cover the costs of the project and provide members and subscribers with this valuable resource.

Last summer, ASPET participated in a pilot scanning project to test the equipment that will be used for scanning. The pilot program was a success, so the benefactor (an organization that wishes to remain anonymous for the time being) is moving forward with digitization of entire collections of journals. There are approximately 280,000 pages of back issues to digitize. *JPET* began publication in 1909, *Pharmacological Reviews* in 1949, *Molecular Pharmacology* in 1965, and *Drug Metabolism and Disposition* in 1973. Scanning will begin this summer, and the materials are expected to be available online by early 2005.

In anticipation of the project, the ASPET Journals Department began collecting back issues in May 2003. The bulk of the issues came from a medical society library in New York City that was in the process of closing. Several ASPET members generously donated personal copies to fill the gaps in that collection. They include Jonathan Katz, Ken Harden, Rick Neubig, David Moody, Terry Monks, and Alan Buckpitt. Without their help, the entire archive would not be available.

The archival articles will be indexed by Google. The title, byline, and abstract of every article will be searchable. The archive is expected to provide complete issues, including tables of contents, editorial boards, letters to the editor, book reviews, and any other item published in the issue. By providing complete issues, this electronic archive will allow libraries to dispose of print archives. Many large libraries have moved very old issues to off-site storage, making them difficult and expensive to retrieve. The online availability of these materials will save money and make available generations of research that was increasingly overlooked because it was too difficult to access.

The debut of the online archives will be announced via email and on each journal's website.

Fast Forward for MolPharm and DMD

The publish-ahead-of-print feature, *Fast Forward*, went live for *Molecular Pharmacology* on May 21 and on June 9 for *Drug Metabolism and Disposition* by the time this issue of *The Pharmacologist* is published. As we have been doing for *JPET*, manuscripts are published online as soon as possible after they are accepted. In most cases, this is within a day or two. *Fast Forward* articles are published online approximately 8 to 12 weeks prior to publication in an issue.



There is a link on each journal's homepage to the *Fast Forward* articles. They are arranged by date of publication, with the most recent articles at the top of the page. Once an article appears in an issue, it is removed from the *Fast Forward* list. However, the *Fast Forward* version remains available through a link in the article's content box, which can be found in the upper right corner at the beginning of the HTML version.

All *Fast Forward* papers are considered officially published. The date of publication is noted under the article's title. Articles are assigned a Digital Object Identifier (DOI), which can be used to cite the article in place of a volume, issue, and page numbers. The DOI remains with the article forever and never changes, making it a reliable citation tool. All of ASPET's DOIs are deposited with CrossRef, which provides linking among hundreds of publishers and thousands of journals.

Those using the alerting features of the online journals will soon be able to include alerts for new *Fast Forward* articles. Users will have the option of receiving alerts daily or weekly. Instructions will be emailed to all members when this feature is operational.

***Molecular Interventions* Now Indexed**

ASPET's newest journal, *Molecular Intervention*, is now indexed by PubMed/Medline/ ISI Science Citation Index, and the Elsevier Bibliographic Databases. Indexing is now complete back to the first issue of MI, in April of 2001. *Molecular Interventions* is published bimonthly and is provided to all ASPET members. If you would be interested in contributing to an upcoming issue of *MI*, please contact the Editor, Harry Smith, at hsmith@aspnet.org or 301-634-7790.



In 2005, Americans are expected to spend \$92 billion on international travel. This amount would fund all of



the health research in the United States for one year.

From: Research!America and the U.S. Department of Commerce, International Trade Administration, Office of Travel and Tourism Industries and Bureau of Economic Analysis, April 2004



ASPET-Merck Postdoctoral Fellowships in Integrative Pharmacology

This year's ASPET-Merck Awards will support one postdoctoral fellowship to support training in neuroscience with an emphasis in **neurodegeneration/neurogenesis**. Additional details can be found on the ASPET web site at: www.aspet.org/public/merck_fellowships/guidelines.html

NIGMS RFA to Support Training of Integrative Whole Organ Biologists

NIGMS issued a request for applications for education projects that will introduce students to the knowledge and skills needed for studies of integrative organ system and whole organism biological responses to drugs and other physiological perturbations. ASPET members interested in submitting proposals might consider contacting Jim Bernstein at 301-634-7062 to determine if there are other local/regional institutions considering submitting proposals. Although only one institution may serve as the applicant organization, a coordinated institutional response is necessary. View: <http://grants2.nih.gov/grants/guide/rfa-files/RFA-GM-05-006.html>

Accreditation of Human Research Protection Programs

The Association for the Accreditation of Human Research Protection Programs, Inc. (AAHRPP) protects the rights and welfare of research participants by fostering and advancing the ethical and professional conduct of persons and organizations that engage in research with human participants. AAHRPP achieves its mission by using an accreditation process based on self-assessment, peer review, and education. ASPET members are encouraged to bring to their institutions attention the value of AAHRPP accreditation programs. AAHRPP Executive Director Marjorie Speers talks about AAHRPP in an article on page 41 of this issue. For additional information visit their web site at: www.aahrpp.org

FASEB Seeks Expertise on BMBL

FASEB is preparing comments in response to a solicitation from OSTP and CDC on revision of the "Biosafety in Biological and Microbiological Laboratories" guide (BMBL). FASEB is seeking help from qualified researchers whose expertise can aid in preparing thoughtful and substantive comments. Nearly all biological laboratories are involved in BMBL compliance, but this issue may be of particular interest to those working with Select Agents or microorganisms. If you are interested or would like more information on how you might help, please contact Carrie Golash at FASEB Public Affairs Office at tel: 301/634-7650.

Rand Analysis Shows Federal R&D Dominated By Medical School Research Investment

A Rand study indicates that research at medical schools has benefited most from the doubling of the National Institutes of Health's budget. RAND reports that in 2002, 45% of all federal R&D funding provided to universities and colleges by any federal agency went to the nation's 126 medical schools. View a summary of the Rand report at: <http://www.rand.org/publications/MR/MR1824/>

June NIH Summit Workshop on Predictive Drug Toxicology

As part of the Molecular Libraries Initiative of the NIH Roadmap, this workshop will address our current understanding of drug-induced toxicities; discuss new procedures that may improve absorption, distribution, metabolism, excretion and toxicology (ADMET) analysis; and identify new techniques and research to prevent the selection of compounds that will fail in clinical testing. In this workshop, researchers from academia, the pharmaceutical industry, and the FDA will describe areas in which additional research is needed to improve predictive analyses and discuss what new science may be needed to improve preclinical testing to reduce the failure rate of drug candidates. Information at: <http://www.nihsummitworkshop.com>



Funding Opportunity

Medication Discovery Using Rat Models of Relapse to Drug Self-Administration (NOT-DA-04-027)
National Institute on Drug Abuse
<http://grants.nih.gov/grants/guide/notice-files/NOT-DA-04-027.html>

New Publication on Basic Research

A new publication from NIGMS titled Curiosity Creates Cures: The Value and Impact of Basic Research can be viewed at http://www.nigms.nih.gov/news/science_ed/curiosity.pdf.

Statement on Visa Problems Harming Science

A position statement produced by several scientific, higher-ed and engineering organizations notes the unintended consequences of the federal government's visa policies. The statement can be read at: <http://www.aaas.org/news/releases/2004/0512visa.pdf>.

NIH Conflict of Interest Congressional Hearings

The House Energy and Commerce Subcommittee on Oversight and Investigations continued hearings on NIH conflicts of interest. To read witness testimony view: <http://energycommerce.house.gov/108/Hearings/05182004hearing1275/hearing.htm>

ASPET-Merck Postdoctoral Fellowship in Integrative Pharmacology

The major goal of this program is to increase the number of well-trained scientists with expertise in pharmacology and integrative biology. The majority of the Fellowship will be spent in the laboratory of the academic supervisor/mentor with no less than six months spent in the laboratories of the award sponsors, Merck Research Laboratories, San Diego. Fellowships are for post-doctoral training. The academic institution must be in the United States.

One award in neurodegeneration/neurogenesis will be made in 2004. The fellowship term is 3 years, subject to annual performance review, and provides the following per annum funding:

- ◆ \$42,000 stipend
- ◆ \$ 3,000 travel expenses
- ◆ \$10,000 institutional grant

During the tenure at the Merck laboratory, additional support up to \$10,000 will be available to offset expenses related to the temporary relocation.

Application deadline is September 7, 2004.

For additional information, go to www.aspet.org/public/merck_fellowships/guidelines.html



THE TORALD SOLLMANN AWARD IN PHARMACOLOGY INVESTIGATION & EDUCATION

The Torald Sollmann Award in Pharmacology was established to commemorate the pioneer work of Dr. Torald Sollmann in the fields of pharmacological investigation and education. Sponsored by Wyeth Research, the Torald Sollmann Award is presented biennially in odd years for significant contributions over many years to the advancement and extension of knowledge in the field of pharmacology. The award consists of an honorarium of \$3,500, a medal, and travel expenses for the winner and spouse to the annual meeting. The formal presentation of this biennial award and medal will be made at the annual meeting of ASPET. The recipient will be invited by the President of the Society to deliver a Sollmann Oration to the membership that may be published in an appropriate ASPET journal.

There are no restrictions on nominees for this award. However, a nomination must be made by a member of the American Society for Pharmacology and Experimental Therapeutics (ASPET), and no member may nominate more than one candidate in a year. The award shall be made on the basis of originality and uniqueness of accomplishments throughout a long career distinguished by sustained, significant contributions to education, research, and service in pharmacology. Selection of the recipient will be made by the Torald Sollmann Award Committee, consisting of five present and former members of the ASPET Council, with the Senior Councilor serving as chair.

Nominations shall be accompanied by six (6) copies of each of the following:

1. **No more than** five letters from nominators describing the contributions to pharmacology of the candidate that make him/her eligible for this Award, listing major contributions.
2. Brief biographical sketch of the candidate.
3. Candidate's *curriculum vitae* and bibliography.

Nominations for the 2005 Award must be received no later than **September 15, 2004** by the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Maryland 20814-3995.

Winners of the Torald Sollmann Award

1961	Otto Krayner	1978	Karl H. Beyer, Jr.	1992	E. Leong Way
1963	Bernard B. Brodie	1981	Avram Goldstein	1995	Theodore M. Brody
1966	Arnold D. Welch	1984	K. K. Chen	1997	Alfred G. Gilman
1969	Earl W. Sutherland, Jr.	1986	Walter K. Riker	1999	William W. Fleming
1973	Julius Axelrod	1988	James A. Bain	2001	Benedict R. Lucchesi
1975	Sidney Udenfriend	1990	George B. Koelle	2003	Palmer W. Taylor

JOHN J. ABEL AWARD

The John J. Abel Award in Pharmacology, supported by Eli Lilly and Company, was established to stimulate fundamental research in pharmacology and experimental therapeutics by young investigators. The annual Award consists of \$2,500, a bronze medal, and travel expenses for the winner and spouse to the award ceremony at the annual meeting of ASPET.

Nominees for this award shall not have passed their **thirty-ninth birthday on April 30** of the year of the Award. The candidate need not be a member of the Society; however, a nomination must be made by an ASPET member, and no member may nominate more than one candidate a year. The Award shall be made for original, outstanding research in the field of pharmacology and/or experimental therapeutics. Independence of thought, originality of approach, clarity and excellence of data presentation are important criteria. Candidates shall not be judged in comparison with the work of more mature and experienced investigators. Quality rather than the number of contributions shall be emphasized. It shall be the responsibility of the sponsor to make clear the contribution of the candidate to any jointly authored reprints and manuscripts and the originality and independence of the candidate's research. Selection will be made by the J.J. Abel Award Committee, appointed by the President of ASPET.



CALL FOR AWARD NOMINATIONS FOR 2005

Nominations shall be accompanied by six (6) copies of each of the following:

1. Summary that describes the importance of the candidate's work.
2. Each of six published articles or manuscripts accepted for publication that are a representation of the candidate's work.
3. Brief biographical sketch of the candidate.
4. Candidate's *curriculum vitae* and bibliography.

Nominations for this Award must be received no later than **September 15, 2004** by the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Maryland 20814-3995.

Winners of the John J. Abel Award

1947	George Sayers	1966	Lewis S. Schanker	1985	P. Michael Conn
1948	J. Garrott Allen	1967	Frank S. LaBella	1986	Gordon M. Ringold
1949	Mark Nickerson	1968	Richard J. Wurtman	1987	Lee E. Limbird
1950	George B. Koelle	1969	Ronald Kuntzman	1988	Robert R. Ruffolo, Jr.
1951	Walter F. Riker, Jr.	1970	Solomon H. Snyder	1989	Kenneth P. Minneman
1952	David F. Marsh	1971	Thomas R. Tephly	1990	Alan R. Saltiel
1953	Herbert L. Borison	1972	Pedro Cuatrecasas	1991	Terry D. Reisine
1954	Eva K. Killam	1973	Colin F. Chignell	1992	Frank J. Gonzalez
1955	Theodore M. Brody	1974	Philip Needleman	1993	Susan G. Amara
1956	Fred W. Schueler	1975	Alfred G. Gilman	1994	Brian Kobilka
1957	Dixon M. Woodbury	1976	Alan P. Poland	1995	Thomas M. Michel
1958	H. George Mandel	1977	Jerry R. Mitchell	1996	John D. Scott
1959	Parkhurst A. Shore	1978	Robert J. Lefkowitz	1997	David J. Mangelsdorf
1960	Jack L. Strominger	1979	Joseph T. Coyle	1998	Masashi Yanigasawa
1961	Don W. Esplin	1980	Salvatore J. Enna	1999	Donald P. McDonnell
1962	John P. Long	1981	Sydney D. Nelson	2000	William C. Sessa
1963	Steven E. Mayer	1982	Theodore A. Slotkin	2002	Steven A. Kliewer
1964	James R. Fouts	1983	Richard J. Miller	2003	David S. Brecht
1965	Eugene Braunwald	1984	R. Peter Guengerich	2004	David P. Siderovski

THE PHARMACIA-ASPET AWARD IN EXPERIMENTAL THERAPEUTICS

The Pharmacia-ASPET Award in Experimental Therapeutics is given annually to recognize and stimulate outstanding research in pharmacology and experimental therapeutics—basic laboratory or clinical research that has had, or potentially will have, a major impact on the pharmacological treatment of disease. The award is supported in perpetuity by a gift from Pharmacia. The winner will receive a \$2,500 honorarium, a bronze medal, and travel expenses for the winner and spouse to the award ceremony at the ASPET annual meeting.

There are no restrictions on nominees for this award. The Award shall be made on the basis of published reprints, manuscripts ready for publication, and a two-page summary. Selection will be made by the Pharmacia-ASPET Award Committee, appointed by the President of ASPET.

Nominations shall be accompanied by six (6) copies of each of the following:

1. Two (2)-page summary that details the importance of the candidate's work.
2. Each of six articles published or ready for publication by the candidate that have direct bearing on the Award.
3. Brief biographical sketch of the candidate.
4. Candidate's *curriculum vitae* and bibliography.

Nominations for this Award must be received no later than **September 15, 2004** by the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Maryland 20814-3995.



CALL FOR AWARD NOMINATIONS FOR 2005

Winners of the ASPET Award for Experimental Therapeutics

1969	John A. Oates	1982	William H. Prusoff	1995	Henry I. Yamamura
1970	Joseph R. Bertino	1983	Marcus M. Reidenberg	1996	Robert F. Furchgott
1971	Elliot S. Vesell	1984	Sir James Black	1997	Michael M. Gottesman
1972	Francois M. Abboud	1985	Louis Lemberger	1998	Phil Skolnick
1973	Dean T. Mason	1986	Alan C. Sartorelli	1999	Yung-Chi Cheng
1974	Leon I. Goldberg	1987	Albrecht Fleckenstein	2000	Saloman Z. Langer
1975	Mackenzie Walser	1988	Jean-Francois Borel	2001	George R. Breese
1976	Louis Lasagna	1989	Benedict R. Lucchesi	Became Pharmacia-ASPET Award in Experimental Therapeutics	
1977	Allan H. Conney	1990	Albert Sjoerdsma	2002	Darryle D. Schoepp
1978	Attallah Kappas	1991	Theophile Godfraind	2003	William C. DeGroat
1979	Sydney Spector	1992	James W. Fisher	2004	Philip Needleman
1980	Sanford M. Rosenthal	1993	V. Craig Jordan		
1981	David G. Shand	1994	Susan B. Horwitz		

EPILEPSY RESEARCH AWARD FOR OUTSTANDING CONTRIBUTIONS TO THE PHARMACOLOGY OF ANTIEPILEPTIC DRUGS

The Epilepsy Award is sponsored by The International League Against Epilepsy (ILAE) and donated by Pfizer for the purpose of recognizing and stimulating outstanding research leading to better clinical control of epileptic seizures. This research may include the basic screening and testing of new therapeutic agents, studies on mechanisms of action, metabolic disposition, pharmacokinetics, and clinical pharmacology studies. This Award, presented biennially in odd years, consists of an honorarium of \$2,000, a Certification of Citation, and travel expenses to the awards ceremony at the ASPET annual meeting.

Nominees for the 2005 award must be actively engaged in the research for which the Award is made, and primary emphasis will be placed upon work accomplished in the five-year period prior to the Award. Nominations for the Award may be submitted by members of any recognized scientific association, domestic or foreign. Selection of an awardee will be made biennially by the Epilepsy Award Committee appointed by the President of ASPET, with representation of ILAE.

Nominations shall be accompanied by six (6) copies of each of the following:

1. Summary describing the nominee's major achievements.
2. Nominee's six most significant papers, including manuscripts accepted for publication.
3. Brief biographical sketch of the candidate.
4. Nominee's *curriculum vitae* and bibliography.

Nominations for this Award must be received no later than **September 15, 2004** by the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Maryland 20814-3995.

Winners of the Epilepsy Award

1978	Alan Richens	1985	Robert J. DeLorenzo	1992	O. Carter Snead III
1979	Paolo L. Morselli	1986	Robert L. Macdonald	1994	Michael A. Rogawski
1980	Dixon M. Woodbury	1987	James O. McNamara	1995	Karen N. Gale
1981	James A. Ferrendelli	1988	Harvey J. Kupferberg	1997	Marc A. Dichter
1982	Ewart A. Swinyard	1989	Frank C. Tortella	1999	Robert Sloviter
1983	Arthur Camerman	1990	Robert Naquet	2001	Wolfgang Löscher
1984	Phillip C. Jobe	1991	Raymond Dingledine	2003	Brian S. Meldrum



The **ASPET Division for Drug Metabolism** presented its Graduate Student and Post-Doctoral Best Paper Awards at the Experimental Biology 2004 meeting in Washington, D.C., April 17-21, 2004. The award winners were as follows:

Graduate Student Category

First prize: **Yen Weng**, Department of Environmental Health and Toxicology, Wadsworth Center, School of Public Health, SUNY at Albany (Supervisor: Xinxin Ding), for the poster entitled "Microarray analysis of hepatic gene expression in liver-specific NADPH-cytochrome P450 reductase (Cpr)-knockout and global Cpr-knockdown mouse models."

Second prize: **Tiangan Li**, Department of Biochemistry and Molecular Pathology, Northern Ohio Universities College of Medicine (Supervisor: John Chiang), for the poster entitled "Lithocholic acid (LCA) inhibits human cholesterol 7-hydroxylase transcription via pregnane X receptor (PXR)-mediated pathway."

Post-Doctoral Category

First prize: **Badanthadka Murali**, Department of Toxicology, University of Louisiana at Monroe (Supervisor: Harihara Mehendale), for the poster entitled "Resistance of F344 rats to chlordecone-potentiated CCl₄ hepatotoxicity and lethality is age-dependent." As part of this award, Dr. Murali is being offered a travel award to support attendance at next year's Experimental Biology meeting in San Diego, where he is invited to participate in the Drug Metabolism Division Executive Committee Meeting.

Second prize: **Cheng Fang**, Wadsworth Center, New York State Department of Health (Supervisor: Xinxin Ding), for the poster entitled "Preparation and initial characterization of a transgenic mouse model with forebrain-specific knockout of the NADPH-cytochrome P450 reductase (Cpr) gene."

Plans are underway to upgrade the Drug Metabolism Division/Toxicology Division joint mixer at next year's Experimental Biology meeting, both by holding the event in a larger room and by using it as an additional forum for the winners to display their presentations.



Pictures from the joint Drug Metabolism/Toxicology Mixer at Experimental Biology '04

REGULAR MEMBERS ■■

Amin, Jahanshah, University of South Florida, Dept of Pharmacology
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Brandt, Michael, Wyeth Research, Dept Neuroscience Discovery Research
Buhler, Amber, University of Iowa, Dept of Pharmacology
Buisson, Bruno, TROPHOS, Dept of Pharmacology & Toxicology
Caba, Ebru, University of Connecticut, Dept of Pharmaceutical Sciences & Neuroscience
Canatan, Halit, Kuwait University Faculty of Medicine, Dept of Pharmacology & Toxicology
Danaceau, Jonathan, University of Utah, Center for Human Toxicology
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Hernandez, Yvonne, Georgetown University Medical Center, Dept of Pharmacology
Hill, Stephen, Queen's Medical Centre, Institute of Cell Signalling, Med Sch
Jacobson, Myron, University of Arizona, Arizona Cancer Ctr
Johnston, Richard, Harvard School of Public Health, Dept Environmental Hlth
Kleiner, Heather, Louisiana State University HSC, Dept of Pharmacology & Therapeutics
Korthuis, Ronald, University of Missouri, Dept of Medical Pharmacology & Physiology
Li, Shuang, University of Washington, Dept of Pharmacology
Li, Qian, University of Texas, Medical Branch, Dept of Psychiatry and Behavioral Sci
Li, Ningjun, Medical College of Wisconsin, Dept of Pharmacology & Toxicology
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Madhi Reddy, Ravi, Windsor University School of Medicine, Dept of Clinical Medicine
Philip, Binu, University of Louisiana, Dept of Toxicology

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Reece, Kelie, Vanderbilt University School of Medicine, Dept of Pharmacology
Shaik, Zabeena, University of Arkansas Medical School, Dept of Pharmaceutical Sciences

NEW MEMBERS, cont.

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Silver, Christina, University of Maryland, Dept of Pharmacology
Strakova, Nicol, Palacky University, Laboratory of Molecular Pathology
Tawfik, Huda, East Carolina University, Dept of Pharmacology
Thakare, Mohan, Virginia Polytechnic Inst., Dept of Animal and Poultry Science
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Wu, Yong, Wuhan University College of Medicine, Dept of Pathophysiology
Zeiger, Fred, Florida International University, Dept of Bio-Chem
Zhang, Yi, University of Tennessee HSC, Dept of Pharmacology

UNDERGRADUATE STUDENT MEMBERS ■

Babatunde, Ebenezer, University of Lagos, Dept of Pharmacology
Brown, Edward, Temple University School of Pharmacy, Dept of Pharmaceutical Sciences
Elkordy, Shahenda, Brooklyn College, Dept of Chemistry
Harris, Whitney, Stanford University, Dept of Human Biology
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Kane, Amber, SUNY, Dept of Biochemical Pharmacology
Patton, Carla, Lipscomb University, Dept of Biochemistry
Thomas, Ryan, Marist College, Dept of Chemistry

Contributors in 2004

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Bettie Sue Masters
Mary Vore

P.B. Dews Award

Alice Young

Joseph P. Buckley

David Clarke

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David W. Robertson, Ph.D.
1955 – 2003

With deep sadness we report that our dear colleague and friend, Dr. David Wayne Robertson, died August 16, 2003, at his home in Ann Arbor, Michigan. Dave was born July 30, 1955, in Dumas, Texas, and is survived by two children, Cassandra and Andrew, of San Diego; his parents, R.L. and Nixie Robertson of Dumas; three sisters, Linda Hamlin of Mount Pulaski, IL, Glenna Rummel of Fritch, TX, Suzanne Roberts of Sumter, S.C.; and a brother, Timothy Robertson of Dumas. His funeral service was held at his hometown, Dumas, Texas, on August 22, 2003. At the time of death he was Executive Director of Central Nervous System and Cardiovascular Chemistry for Pfizer Pharmaceuticals.

Dr. Robertson earned his Bachelor of Science degree in Chemistry and Biology with highest honors from Stephen F. Austin State University in 1977, and his Master's (1978) and Doctoral (1981) degrees in Bio-Organic Chemistry under the tutelage of Professor J.A. Katzenellenbogen at the University of Illinois (Research Thesis: 1. The Synthesis and Metabolism of Non-Steroidal Antiestrogens and Estrogens; and 2. Receptor Mediated Cytotoxicity: The Design and Synthesis of Cytotoxic Hormone Analogs).

Dr. Robertson joined Eli Lilly and Company as Senior Medicinal Chemist in 1981. He quickly engaged in drug discovery research, working with cardiovascular pharmacologists including Marlene L. Cohen, J. Scott Hayes, Don R. Holland, Ray F. Kauffman, Mitchell I. Steinberg and others on cardiotoxic agents and vasodilators. Simultaneously he collaborated with neuropharmacologists including Ray W. Fuller, Donald R. Gehlert, J. David Leander, David T. Wong and others on anticonvulsants and antidepressants. Dave quickly advanced through the scientific rank to Senior Research Scientist and Research Group Leader in 1989, and in 1991 to administrative rank of Head & Director, Central Nervous System (CNS) and Endocrinology Research as well as Chairman of the CNS Strategy Group in the Lilly Research Laboratories.

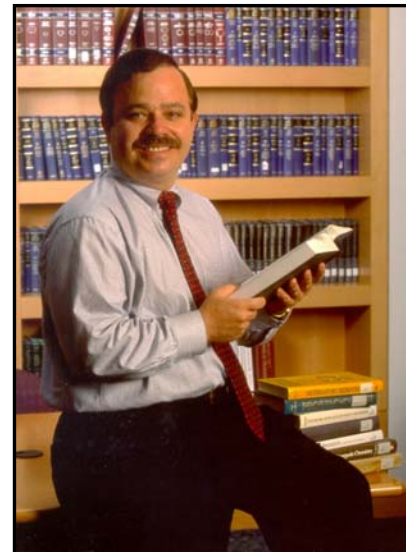
Dave was recruited to Ligand Pharmaceuticals in San Diego, CA, where he served as a Vice President of Research from 1991 to 1996. He moved to DuPont Merck Pharmaceutical Co. in 1996, and to Pharmacia & Upjohn (Pharmacia Corp.) in 1999, where he was Vice President of Research. From 2002 until his death, Dave was Executive Director of Chemistry at Pfizer's Ann Arbor, Michigan site.

Dr. Robertson had an exceptionally productive career. He contributed to the invention and discovery of more than 40 drug candidates that advanced to formation of Project Teams. Within two years of arriving at Lilly, Dave had a cardiovascular agent – Isomazole - in the clinic. Most notably, Dave was an inventor and a discoverer of a selective serotonin uptake inhibitor, dapoxetine, and a dual inhibitor of serotonin and norepinephrine uptake, duloxetine. Phase III clinical studies of duloxetine have been completed, and Lilly has received approvable status of duloxetine for the treatment of depression under the trade name Cymbalta. His scientific accomplishments will benefit millions of patients.

Dave was one of those select medicinal chemists who showed great appreciation and understanding for biology and deep respect for practitioners of biological research. It was an uplifting experience to work with Dave. As a biologist one could expect weekly visits from Dave to discuss progress or recent scientific findings. Often he arrived with a vial of his latest chemical creation that would answer key questions in structure-activity studies. Besides engaging in the synthesis of molecules targeted for various projects, he also provided molecules that enabled colleagues to probe biological mechanisms. For the monoamine uptake inhibitor program, Dave and his able associates, Edward E. Beedle, Joseph Krushinski and Dennis Thompson, were instrumental in the custom synthesis of radioligands including [³H]-fluoxetine, [³H]-nisoxetine and [³H]-atomoxetine and others, too numerous to mention.

In addition to his own personal accomplishments, Dave excelled in building teams by putting together outstanding scientists and fostering their personal and team growth. It was only after his death that many of us realized Dave had unselfishly worked his magic in this respect for many pharmaceutical and biotechnology companies by putting the right people in contact with each other. His legacy is undoubtedly alive in the many colleagues and collaborators he has had over the years.

Dr. Robertson authored more than 120 publications, made over 145 presentations at scientific conferences and was an inventor on more than 60 U.S. patents. He was active in the American Chemical Society, a member of its Editorial Board, and Section Editor for Annual Reports in Medicinal Chemistry. In the Society of Pharmacology and Experimental Therapeutics, Dave served on the Finance Committee.



At Dave's memorial service in Dumas, his colleagues learned that he was a scholar of the Bible, and was active in the ministry during his undergraduate and graduate student days. He faithfully practiced "Nothing is impossible" and the belief of a positive attitude in all pursuits. Dave was described as a "people person," "mentor," "friend" and a "great father." He touched the lives of his colleagues and friends, who will remember him for many years to come.

The family suggests memorials be made in Dave's name to the American Heart Association, 6605 W. Interstate 40, Building A6, Amarillo, TX 79106; the American Stroke Association at the above address; or the David Robertson Chemistry Scholarship Fund in care of Stephen F. Austin State University Alumni Association, P.O. Box 6096, Nacogdoches, TX.

Prepared by David T. Wong, Donald R. Gehlert, and J. Scott Hayes

Gilbert J. Mannering, Ph.D. **1917 – 2004**

Gilbert Mannering, Professor of Pharmacology at the University of Minnesota from 1962 to 1987, died of natural causes, March 20, 2004. A man of seemingly endless energy (he toured the Amazon basin at the age of 83!) and an unbridled zest for life, he was one of the fortunate few who enjoyed an extraordinarily hardy constitution and was rarely, if ever, ill until late in life when he was diagnosed with type 2 diabetes, and very late in life when he endured vascular dementia. Professor Mannering had been a regular/emeritus member of the American Society of Pharmacology and Experimental Therapeutics since 1956. A memorial service celebrating his life was held on April 3, 2004, at the University Club (his favorite local haunt), St. Paul, Minnesota.

Born March 9, 1917, in Racine, Wisconsin, Gilbert J. Mannering was a graduate of Horlick (of malted milk fame) High School, Racine, where he was an active participant in chorus and track. He went on to earn B.S., M.S. and Ph.D. degrees, all in biochemistry and all from the University of Wisconsin, Madison, in 1940, 1943 and 1944, respectively. His M.S. and Ph.D. advisor was Professor Conrad A. Elvehjem, discoverer of niacin, and later, Lasker Awardee (1952) and president of the University (1958-1962).

Upon receiving his doctorate degree, the newly minted Dr. Mannering joined Parke-Davis and Company's Vitamin Research Laboratory in Detroit, Michigan where he was employed as a Senior Research Biochemist from mid-1944 to early 1950. He then spent four years as a civilian scientist (consultant to the Chemistry Department, Civilian 406th Medical General Laboratory) for the United States Army in Tokyo, Japan from 1950 to early 1954.

Rejecting an offer to head the Department of Nutrition at the American University in Lebanon, Dr. Mannering then returned to his alma mater, serving briefly (only until mid-1954) as a Research Associate, then as an Assistant Professor of Pharmacology and Toxicology until mid-1958, and finally as an Associate Professor of Pharmacology and Toxicology until September, 1962. During this time, Professor Mannering served the Wisconsin State Crime Laboratory as a consultant with special expertise in toxicology.

In September 1962, Dr. Frederick Shideman, then chairman of the Department of Pharmacology and Toxicology, University of Wisconsin Medical School, accepted a similar position at the University of Minnesota and took almost all of the department's faculty, including promoted-to-full Professor Mannering, and graduate and post-doctoral students with him. Upon retirement in 1987, Professor Mannering assumed the title of Professor Emeritus of Pharmacology, a position that he held almost to the end of his life.

First at Wisconsin and then at Minnesota, Professor Mannering went on to become one of the pioneers in fields of drug metabolism and biochemical toxicology. Despite becoming an academician when he was already 37 years old, at which time he had co-authored a mere ten primary research papers, he ended up authoring or co-authoring a total of over 125 primary research papers and over 25 reviews. He gave invited lectures at more than 40 American universities and in at least 20 countries. In collaboration with his colleagues, his observations led to the discovery of numerous 'firsts' in these fields. For example, his laboratory was one of the first, if not the first, to recognize and demonstrate the importance of measuring initial rates when quantifying *in vitro* rates of drug metabolism and kinetic constants thereof [*J. Pharmacol. Exp. Ther.* 123:171-179, 1958; *J. Pharmacol. Exp. Ther.* 127:187-190, 1959; *Biochem. Pharmacol.* 13:1007-1016, 1964], and his laboratory provided the first physical evidence for the existence of more than one drug-metabolizing cytochrome P450 [*Biochem. Biophys. Res. Comm.* 24:668-674, 1966].

In recognition of his many accomplishments, Professor Mannering was the recipient of many awards. Perhaps most notable, he was one of the early (4th) recipients of the Bernard B. Brodie Award in Drug Metabolism presented biennially by the American Society of Pharmacology and Experimental Therapeutics to “recognize outstanding original research contributions in drug metabolism and disposition, particularly those having a major impact on future research in the field.”

Professor Mannering was most proud of his work with, and the subsequent accomplishments of, his 22 graduate students (18 Ph.D. & 4 M.S.) and 19 postdoctoral fellows, many of whom followed in his academic footsteps and distinguished themselves as scholars in their own right. Included are one who received the Bernard B. Brodie Award in Drug Metabolism (Anders, 1999); two who received the John J. Abel Award in Pharmacology presented annually by the American Society of Pharmacology and Experimental Therapeutics “for original, outstanding research in the field of pharmacology and/or experimental therapeutics” by an individual who has not passed their thirty-ninth birthday on April 30th of the year of the Award (Schanker, 1966; Tephly, 1971); one who served as President of the American Society of Pharmacology and Experimental Therapeutics (Takemori, 1992); and at least seven who went on to become heads/chairs of academic departments in this (Schanker, Tephly, Anders, Shoeman) and other (Cohen, Sitar, Renton) countries.

Professor Mannering had hundreds of ideas, sometimes all in one day! He would arrive at the laboratory in the morning brimming with ideas and begin to rattle off experiments to be done. Some were technically impossible. Others had already been pursued. The trick for a graduate student, postdoctoral fellow or technician was to correctly identify the one or two out of the hundred that were most worthwhile pursuing, not an easy task, especially for newcomers to his lab!

Perhaps fittingly in view of his well-known fondness for malt beverages, the last of Professor Mannering’s primary research papers (*Xenobiotica* 26:487-493, 1996) dealt with murine cytochrome P4503A activity induced by a metabolite of colupulone, a constituent of hops. Providing a hugely enlightening summation of Professor Mannering’s professional life is an abbreviated autobiography published in *Drug Metabolism Reviews* 33:81-116, 2001 and entitled “A life in science: biochemist-nutritionist-forensic toxicologist-pharmacologist.”

Professor Mannering was very widely traveled, a talented photographer, an avid gardener, an opera buff and an ardent fan of the Gopher (University of Minnesota) basketball (men’s) and football teams as well as of the Minnesota Vikings (professional football). Further, he was extremely competitive whether the “competition” was in ping-pong, fishing or golf, a sport that he dearly loved even though he was not particularly good at it – once or twice a round, however, he would get off a magnificent shot, usually a drive, and that was enough to keep the ‘dream’ alive. He liked to begin golfing just after daybreak, largely because he hated waiting around while a group in front of him dawdled over a shot – to say that he was hugely impatient would be to understate the case! Another reason why he began golfing just after daybreak was that by doing so he could complete a full round of 18 holes and still be in his office by 8:00 a.m. His golf clubs almost always accompanied him on his many trips to other states and countries, and even though he usually was heavily committed to the business at hand time-wise, he would somehow manage to squeeze in a round or two of golf with like-minded colleagues. At home, “The Chief” often golfed alone (it’s difficult to find others that enjoy teeing off at daybreak!), almost always on the University of Minnesota Golf Course, a mature facility that favors precision more than length.

An accomplished raconteur with a robust sense of humor, Professor Mannering very much liked to play practical jokes and to tell stories, albeit often the same story more than once to a given audience! Telling him a story was another matter because he was never listening – he was always too engrossed in formulating the next story that he wanted to tell!

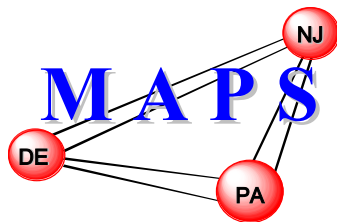
“Life is best played without a script” [Anonymous] was the mantra that Professor Mannering enthusiastically embraced throughout his long life. It served him well.

Professor Mannering is survived by son Michael; daughters Gail (Mrs. Doug) Beckman and Barb (Mrs. Greg) Hedlund; three grandchildren; four step-children; five step-grandchildren; and sister Carol (Mrs. Paul) Nielsen. He was preceded in death by his father John, born in England; mother Louise, of Danish descent; first wife Virginia in 1967; second wife Blanche in 1999; and brother John.

Prepared by N. E. Sládek

ASPET mourns the death on June 13, 2004, of our Secretary/Treasurer, Cinda J. Helke.





**Mid-Atlantic Pharmacology Society
2004 Meeting**

**October 15, 2004
Wyeth Research
Collegeville, PA**

- 8:00-8:45 Registration, Poster set-up
- 8:50 *Welcome-*
Hugo M. Vargas, PhD, President, Mid-Atlantic Pharmacology Society
Steven Adelman, PhD, Wyeth, MAPS Conference organizer
- 9:00-9:45 Arthur Feldman, MD, PhD, Chairman, Dept of Medicine-Jefferson Medical College
"Immune Mechanisms in Heart Failure"
- 9:45-10:30 Myron Cybulsky, MD, University of Toronto, Toronto General Research Institute
"Initiation of Atherosclerosis: Endothelial Cell Gene Expression and Monocyte Recruitment"
- 10:30-11:00 Break
- 11:00-11:30 Douglas Harnish, PhD, Wyeth Research
"Nuclear Receptors in Cardiovascular Disease: Regulation of NFkB, the Immune Response and Atherosclerosis"
- 11:30-11:45 Greetings from Robert R. Ruffolo, Jr., PhD, President, Wyeth Research
- 11:45-12:45 Buffet Lunch, Poster (Judging)
- 12:45-1:45 Buffet Lunch, Poster Viewing, Graduate Student Workshop
- 1:45-2:45 *Keynote lecture-*
Donald Orlic, PhD., Hematopoiesis Section, Genetics and Molecular Biology Branch, NHGRI/NIH
"Stem Cells and Tissue Repair: State-of-the-Art"
- 2:45-3:00 Koelle Award
- 3:15-5:00 Poster Awards and Reception

**For meeting information, contact:
Jeanne Coughlin (215-707-5227) or Hugo M. Vargas, PhD (215-652-8829)**

New England Pharmacologists Becomes Newest ASPET Regional Chapter Affiliate

At its recent meeting, the ASPET Council approved the application from the New England Pharmacologists to become ASPET's fourth and newest regional Chapter Affiliate. The New England Pharmacologists have been meeting annually in January or February since 1972 to bring together the departments of pharmacology for the New England region. The meeting is student oriented with the goal of allowing students and postdocs to present their posters prior to the Experimental Biology meeting in the spring. The primary mission of the New England Pharmacologists is to foster education on pharmacology and interactions between pharmacologists in the New England region.

The current President of the Chapter is Dr. David J. Mokler, and the current Secretary/Treasurer is Dr. Edward Bilsky, both of the University of New England College of Osteopathic Medicine. For information on NEP, contact Dr. Mokler (dmokler@une.edu) or Dr. Bilsky (ebilsky@une.edu).



Definitions of Categories of ASPET Membership

Regular Members: "Any qualified investigator who has conducted and published a meritorious original investigation in pharmacology shall be eligible for membership in the Society." - Bylaws Article II, Section 1, Item 1. An individual who holds an earned doctoral degree (Ph.D., M.D., or equivalent) is considered a qualified investigator. (Exceptions may be made for someone who does not meet the degree requirement but who has made major original research contributions to pharmacology.)

Affiliate Members: "Any qualified person who is engaged in the study of problems in pharmacology but does not meet the requirements for Regular Membership may be eligible for Affiliate Membership, which shall be nonvoting. Affiliate members may later be proposed for Regular Membership, upon meeting the requirements." - Bylaws Article II, Section 1, Item 5. Affiliate Members include representatives in the following careers: faculty members who have made their contribution in teaching; productive research team members who have not published a meritorious original publication; and administrators in government, industry, universities, or other organizations who do not have sufficient independent research to qualify for Regular membership.

Student Members: "Persons who are enrolled in undergraduate, graduate, or professional degree programs, and who have an interest in pharmacology, are eligible for Student membership, which shall be non-voting. Student members may be proposed later for Regular Membership or Affiliate Membership upon meeting the requirements for that membership category. Upon completion of their research doctoral degree, applicants are normally eligible for Regular Membership but may remain in the Student Member category for no more than two (2) years." - Bylaws Article II, Section 1, Item 6.

Regular Members (Dues \$105):

- Receive *Molecular Interventions* and *The Pharmacologist*.
- Have free online access to all of ASPET's journals.
- May subscribe to print versions of Society publications at reduced member rates.
- Pay half-price page charge rates (\$30/page) and color figure fees (\$200/figure) in Society journals.
- Receive a free copy of the *FASEB Newsletter*.
- Present independent papers at all Society meetings.
- Sponsor a paper for a non-member at all Society meetings.
- Nominate candidates for membership.
- Vote on all Society ballots and may hold elected office in the Society.
- Have access to the members only portion of the ASPET Web site (www.aspet.org)
- Are listed in the FASEB print and on-line directory.

Affiliate Members (Dues \$90) have all the benefits of Regular Members except they may:

- Sponsor candidates for Student membership only.
- Not sponsor a paper for a non-member at a Society meeting
- Not vote in Society elections.
- Not hold an elected office in the Society.

Student Members (Dues \$25) have all the benefits of Regular Members except they:

- Pay no dues their first year.
- Pay only 25% of the Regular Member dues rate thereafter.
- Must have their papers at Society meetings sponsored by a member.
- May not vote in Society elections nor hold an elected office in the Society except for office in the Student Chapter of ASPET.

2004 Publication Subscription Rates for Members

All Society Members qualify for the following reduced publication subscription rates:

- *Journal of Pharmacology and Experimental Therapeutics* (Monthly) - \$156/year
- *Pharmacological Reviews* (Quarterly) - \$66/year
- *Drug Metabolism and Disposition* (Monthly) - \$78/year
- *Molecular Pharmacology* (Monthly) - \$102/year
- *Clinical Pharmacology and Therapeutics* (Monthly) - \$38/year, \$70/year for Canada/Foreign
- *Molecular Interventions* (Bimonthly) – included with dues

Application Instructions and Suggestions

Submit a typed original and one (1) copy of the completed Application for Membership form or use the online application form on the ASPET web site at <http://www.aspet.org/membership>. Submit a current curriculum vitae including bibliography for Regular and Affiliate Membership. You may e-mail the CV.

Sponsor Statements

Submit signed statement(s) of qualifications of the applicant from two Regular Members of ASPET for Regular Membership and from one Regular Member of ASPET for Affiliate Membership and Student Membership (Affiliate Members may also sponsor student applicants). In addition to statement certifying that the applicant is qualified for ASPET membership, sponsors please provide your own current address, phone, fax and email. **It is the responsibility of the applicant to secure these documents.**



Application for Membership

American Society for Pharmacology and Experimental Therapeutics

9650 Rockville Pike, Bethesda, Maryland 20814-3995 USA, Phone (301) 634-7060

Application for () **Regular**, () **Affiliate**, () **Graduate Student**, or () **Undergraduate Student Membership**

Year: () **Fresh**, () **Soph**, () **Jr**, () **Sr**

APPLICANT. Please complete this section – type if possible.

Name and Address:

Telephone:

FAX:

E-mail:

Date of Birth:

Education and Training:

Professional Experience (Present position first) Include dates, position and organization.

Paperwork Summary: submit original and **1 copy** of the following:

1. Application form.
2. Statement and signatures from two sponsors for Regular membership and from one sponsor for Affiliate/Student membership.*
3. *Curriculum vitae* (include bibliography) for Regular and Affiliate membership.

*A letter or e-mail may be sent by the sponsor to the Membership Coordinator (rhipps@aspet.org) in lieu of the sponsor's signature and statement of qualifications of the applicant on the form. Call or e-mail the ASPET Membership Department for additional information: (301) 634-7135 / rhipps@aspet.org
For on-line submission, go to http://www.aspet.org/public/membership/memberapplform_ia_1003.pdf



**II INTERNATIONAL CONGRESS OF
PHARMACOLOGY AND THERAPEUTICS
V NATIONAL CONGRESS, CUBAN SOCIETY OF
PHARMACOLOGY**



**II National Workshop on Pharmacological
Surveillance**

**Latinoamerican School of Medicine, Havana, Cuba
OCTOBER 12th-15th, 2004**

The Cuban Society of Pharmacology invites to participate in the II International Congress of Pharmacology and Therapeutics "Havana 2004" and V National Congress of Pharmacology, which will take place at the wonderful scenario of Havana, capital of the bigger island of the Antilles and place that mixes the modernity of a city in constant development with the welcoming and unforgettable colonial atmosphere. The beauty of their beaches, the green of their fields and the contagious happiness of the Cuban people, will live forever in the visitor's memory. We expect you to join this unique opportunity to combine the exciting field of the pharmacological sciences with the cultural and historical treasures of Cuba and Havana City.

MAIN TOPICS AND OTHERS INFORMATION

<http://cencomed.sld.cu/farmacologia/>

Inscription fee (before agost 30th)

Delegates 200.00 USD Acompaining 60.00 USD Students 100.00 USD

After agost 30th, addition of 50 USD

Deadline for abstracts: July 15th, 2004

**Contact to: Dr. René Delgado Hernández,
Tel: 537-217822, 217925, 271 5067 TeFax: 537-336471
E-mail: rdelgado@cqf.co.cu ó rdelgado@infomed.sld.cu**

**CUBATUR Events has designed a tourist package for the Congress
Please, contact to CUBATOUR SA OPC Arlene Alvarez Rey
Email: opc_eventos@cbtevent.cbt.tur.cu**

**Awaiting your distinguished presence in
Pharmacology Congress Havana 2004!!**



Future Meetings

Experimental Biology '05
San Diego, CA
Saturday-Wednesday
April 2-6, 2005
(AAA, AAI, APS, ASIP, ASBMB, ASNS, ASPET)

Experimental Biology '06
San Francisco, CA
Saturday-Wednesday
April 1-5, 2006
AAA, APS, ASIP, ASBMB,
ASNS, ASPET

Experimental Biology '07
Washington, DC
Saturday-Wednesday
April 28-May 2, 2007
AAA, APS, ASIP, ASBMB,
ASNS, ASPET