

Experimental Biology 2006



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The PHARMACOLOGIST

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Prices for the member subscriptions to the print version of *The Pharmacologist* went up in 2006 to \$20 per year.

This price increase is based on the actual cost to print and mail each edition of *The Pharmacologist* independent of any of the costs involved in producing the content.

The Pharmacologist is published and distributed by the American Society for Pharmacology and Experimental Therapeutics.

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The Pharmacologist (ISSN 0031-7004) is published quarterly in March, June, September, and December by the American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995. Annual subscription rates: \$20.00 for ASPET Members; \$45.00 for U.S. nonmembers and institutions; \$65.00 for nonmembers and institutions outside the U.S. Single copy: \$20.00. Copyright © 2006 by the American Society for Pharmacology and Experimental Therapeutics, Inc. All rights reserved. Periodicals postage paid at Bethesda, MD. GST number for Canadian subscribers: BN:13489 2330 RT.

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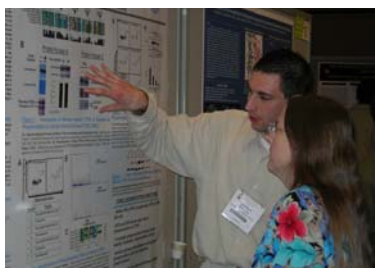
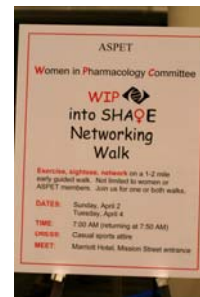
Deadlines for submission of material for publication: Issue 1, March 1; Issue 2, June 1; Issue 3, September 1; and Issue 4, December 1.

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



EXPERIMENTAL BIOLOGY 2006 – SAN FRANCISCO

ASPET met as part of Experimental Biology 2006, April 1-5, 2006, in San Francisco, CA. Once again this year, both ASPET and Experimental Biology had record attendance. Here are some pictures from the meeting:



Above: Attendees enjoy the opening reception and the student-mentor mixer

Pictures from many of the division activities can be found on the following division websites:

Behavioral Pharmacology:

<http://www.aspet.org/public/divisions/behavioral/news.htm>

Cardiovascular Pharmacology:

<http://www.aspet.org/public/divisions/cardiovascular/news.htm>

Drug Metabolism:

<http://www.aspet.org/public/divisions/drugmetab/divisionnews.htm>

Molecular Pharmacology:

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Neuropharmacology:

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Systems and Integrative Pharmacology: <http://www.aspet.org/public/divisions/sip/news.htm>

MESSAGE FROM THE PRESIDENT



The end of one's term of office for ASPET arrives all too quickly but provides an opportunity to reflect on the events that have transpired over the past year. It offers, as well, an occasion to comment on my perspectives of the status of the Society and its directions for the future. Although potentially dangerous, I revisited my "Candidate's Statement" for the 2004 election to see how closely aligned those objectives and statements were with the course of activities that have occurred over the past year. They provide a suitable context for us to review the past year's activities and provide a commentary, as well, on the current status and future directions of the Society.

The first area of stated focus was that **"ASPET must continue to serve and adapt to the needs of its existing members, while ensuring that it is able to attract and retain new members."** The very unfortunate occurrence and widespread devastation of Katrina in the Fall of 2005 prompted several initiatives by ASPET to assist members and students that were affected by the hurricane. In response to the impact of Katrina on ASPET members and students, ASPET Council established a Hurricane Katrina Relief Fund that provided grants to ASPET Student members and relief from expenses for the EB '06 meeting for member scientists affected by the hurricane. Dues for members affected by Katrina were also waived for the current year. The funds were provided in part from the Society's operating budget but also from the generous donations from ASPET members and GlaxoSmithKline (GSK). There were also responses from ASPET Journals and offers by members to host displaced scientists both in the home and in the laboratory. The response was significant and reassuring in attempting to help both students and members manage through a very difficult time. Although only a small segment of the Society's members were affected, the larger base of support was indicative of the collegiality we have across our organization and certainly reflects ASPET's ability to serve and adapt to the needs of its members, even under unforeseen and catastrophic circumstances.

This adaptation by the Society to members whose areas are evolving in new directions has also been seen in our response to changes reflective of the normal and beneficial progression of science. Council has approved the change in name of the Division of Clinical Pharmacology to that of the Division of Clinical Pharmacology, Pharmacogenomics and Translational Medicine to embrace the emergence of these important scientific developments. One area of focus for the Society, led primarily by Jim Bernstein, ASPET Director of Government and Public Affairs, is that of "Integrative Pharmacology." Despite the widespread recognition that this is an area where training has diminished considerably, but where the need for individuals trained in this area continues to accelerate, substantive responses to address this challenge have languished in the U.S. Jim organized a meeting in March of this year that brought several individuals from pharmaceutical companies together to hear Michael Collis, the founder of the Integrative Pharmacology Fund that has generated millions of dollars from both industry and government to support the training of in vivo, integrative pharmacologists in the U.K. This is an area of opportunity for ASPET to address critical training and resource needs. The ASPET-Merck Postdoctoral Fellowships in Integrative Pharmacology and the Short Courses in Integrative Organ Systems Science are very worthy initiatives in this endeavor, but more aggressive efforts are needed to bolster these initiatives.

With regard to attracting new members, ASPET enrolled 471 new members over the past year. As part of our commitment to not only attract new members but to make sure we provide the services that our current members want, Council approved the creation of a new position, Member Services Marketing Manager. That position was filled in April by Suzie Thompson, also the Editor of this newsletter. Additionally, ASPET awarded 79 graduate student travel awards, 28 Young Scientist Travel Awards and 5 SURF Travel Awards to EB'06; 18 additional Institutional SURF awards were funded for 2006. ASPET is making 20 Graduate Student Awards and 7 James A. Bain Young Scientist Travel Awards to the upcoming IUPHAR Congress in Beijing. These are tremendous initiatives that foster early commitment to students in pharmacology, but further efforts must be made to ensure the continued growth and enhancement of the Society.

A second area of emphasis was that **"ASPET must continue to be diligent as well as proactive in its fiscal responsibility, implementing financial and revenue planning, while not compromising its member services, educational initiatives, or its preparation for the future."** As presented at the EB '06 meeting by Pat Sonsalla, Secretary/Treasurer of ASPET, this is the first time in many years that the budget projected for the year will be 'in the black.' This is a reflection of some draconian changes that were implemented by Council in years past, by some



MESSAGE FROM THE PRESIDENT

interim restraints imposed, and by fortunate changes in the investment portfolio. Although portfolios are volatile and not completely predictable, I believe that ASPET has successfully navigated a careful but conscientious path through some difficult times without compromising its core commitment to members and students or its preparations for the future.

Of direct relevance to the future was the third area of emphasis that **“ASPET must work intimately with the Centennial Planning Committee, Public Affairs, Divisions and regional chapters to capitalize on the opportunities afforded by this significant event.”** This is clearly a unique time and opportunity for ASPET, and several activities are underway by the Committee in preparation for this significant milestone in our Society's history. Under Bill Dewey's Chairmanship, the Committee (see ASPET website for full membership and activities as well as the Official Centennial Logo) has embarked on several initiatives that include the compilation of the history of the society and timelines of significant events in pharmacology and of the Society, highlights of important papers, and important celebrations planned for EB '08. An important part of these efforts involves the Divisions, Public Affairs and solicitation from members and regional chapters for ideas to enhance and communicate this to an audience that goes well beyond the Society to the larger society as a whole. The British Pharmacology Society has recently celebrated its 75th Anniversary with recent publications in the *British Journal of Pharmacology* and in *Trends in Pharmacology* for those interested in how our colleagues in that organization have recognized their past. This is truly a momentous event to be capitalized on not only to recognize our collective past and predecessors but also to provide information to stimulate future growth and recognition.

The Divisions continue to show growing strength in terms of their individual identity but also in terms of working with one another to strengthen cross-divisional initiatives while developing integrated programmatic themes of broad interest to the membership. The Divisions represent the backbone of the Society and need to continue to strengthen the commitment of their members and to work within the Society for ways to improve interactions with one another to help move the Society forward.

Finally, I would like to comment on a few other initiatives undertaken during the past year. Working with the Catecholamine Club and Steve Paul at Eli Lilly, we have initiated the Julius Axelrod Award to recognize the contributions of this Nobel Prize winning pharmacologist. The first Award will be initiated this year and will be given at the EB '07 Meeting. We are continuing to solicit funds from industry and individuals to endow this award for the Society. Additionally, the Astellas Foundation has approached ASPET to explore our willingness to sponsor three annual awards, and we have agreed to do so in the area of translational pharmacology. These proposed awards, to be designated the “ASPET- Astellas Award in Translational Pharmacology,” are intended to recognize pharmacological research accomplishments that seek to extend fundamental research closer to applications directed towards improving human health. The awards will be given to 1) recognize those individuals whose research has the potential to lead to the introduction of novel pharmacologic approaches or technologies that may offer significant advances in clinical medicine in the future and 2) to facilitate that translational process.

Transition states, such as the rotation of newly elected officers, typically imply change and, all too often, connote a period of instability. In the overall scheme of things, one formal year as President is not a duration of time sufficient either to inflict serious harm or to have a momentous impact. The directions of ASPET and the stability of the Society, despite the frequent changes, evolve from a highly dedicated Executive Officer and Staff, together with a Council that is committed to a longer-term vision. It has truly been an honor to serve the Society, its Staff and Council over the past year and to have played some role in what will unquestionably be the continued growth of our discipline and sustained contributions from Pharmacology to society as a whole.

James E. Barrett



ASPET Announces New Award in Honor of Julius Axelrod



At the EB'07 meeting in Washington, DC, ASPET will present, for the first time, the Julius Axelrod Award to honor the memory of the eminent American pharmacologist who shaped the fields of neuroscience, drug metabolism and biochemistry and who served as a mentor for numerous distinguished pharmacologists around the world. The winner of the Axelrod Award will give a plenary lecture at the meeting as well as an informal talk at the Catecholamine Club Dinner. The award will consist of a \$5000 honorarium plus travel for the winner and spouse to attend the annual meeting. ASPET is actively soliciting funding for the Axelrod Award, but will initiate it with funding from Eli Lilly and Company and Wyeth Research.

According to the guidelines, the award will be given for significant contributions to understanding the biochemical mechanisms underlying the pharmacological actions of drugs and for contributions to mentoring other pharmacologists. Nominees need not be members of ASPET, but must be nominated by either an ASPET member or a member of the Catecholamine Club. The deadline for nomination this year is October 15, 2006. The complete guidelines for nomination can be found on the web at www.aspet.org under Awards and Fellowships or on page 71 of this newsletter.

EB'07 will be a transition year during which the Axelrod medal, given by the Catecholamine Club since 1991, will become the Axelrod Award given by ASPET. During this transitional period, the award selection committee will be comprised half of ASPET members and half of members of the Catecholamine Club, and chaired by David Sibley, a member of both organizations. The Axelrod Medal has an illustrious history in the Catecholamine Club. Past winners of the Axelrod Medal from the Catecholamine Club include Ullrich Trendelenberg, Arvid Carlsson, Norman Weiner, Robert Furchgott, Irwin Kopin, Sidney Spector, Solomon Snyder, Erminio Costa, Toshi Nagatsu, Salomon Langer, Richard Weinshilbourn, Richard Palmiter, Marc Caron, and most recently, Susan Amara.

Julius Axelrod was born in New York City in 1912. He received his B.Sc. from the College of the City of New York in 1933, his M.A. from New York University in 1941, and his Ph.D. from the George Washington University in 1955. Axelrod did not enter graduate school directly from college but instead worked for the New York City Department of Health's Laboratory of Industrial Hygiene. In 1946 he moved to Goldwater Memorial Hospital where he worked as a research associate with Bernard B. Brodie. He worked with Brodie for the next eight years, moving with him to the National Heart Institute in 1949. It was during this time that he and Brodie made key discoveries about the metabolism and mechanism of toxicity of acetanilide, which led to the development of acetaminophen as an analgesic. [JPET 94:29-38 \(1948\)](#)

Realizing that his career opportunities were limited without a Ph.D., Axelrod enrolled in the pharmacology doctoral program at the George Washington University in 1954, working with Dr. H. George Mandel as his advisor. Because he was allowed to use some of his recent NIH laboratory work as the basis for his dissertation, Julius Axelrod received in Ph.D. in pharmacology from GWU in 1955 with a dissertation entitled "The Fate of Phenylisopropylamines." He returned to NIH as Chief of the Section on Pharmacology in the Laboratory of Clinical Sciences at the National Institute of Mental Health. In 1970, Axelrod received the Nobel Prize in Medicine and Physiology for his research on the release and reuptake of norepinephrine. This research enabled researchers in the '70s to develop the selective serotonin reuptake inhibitors as antidepressants. Even after officially retiring in 1984, he continued an active research program in Neuropharmacology. Dr. Axelrod died in 2004 at the age of 92.

It is especially appropriate that ASPET give an award in honor of Julius Axelrod as he was not only an illustrious pharmacologist and Nobel Laureate, but also a strong supporter and member of ASPET for over 50 years.



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**WASHINGTON, D.C.
APRIL 28 – MAY 2**



For more information, visit:
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Stay tuned for preliminary
program information at:
www.aspet.org





PubMed Central Reminder

The following information has been published in earlier issues of *The Pharmacologist*, but has eluded many authors. This recap is for all NIH-funded researchers who publish in *JPET*, *Molecular Pharmacology*, and *Drug Metabolism and Disposition*.

Authors of articles written since May 2005 that resulted from NIH-funded research have been asked to deposit their accepted manuscripts in the NIH's open-access repository, PubMed Central. The policy and process have created much confusion for authors, and many still wonder what should be deposited, when it should be deposited, what impact copyright agreements have on the policy, and who can deposit manuscripts.

For *JPET*, *Molecular Pharmacology*, and *Drug Metabolism and Disposition*, "what" should be deposited is the final, accepted manuscript version.

The final accepted manuscript version may be deposited with PubMed Central any time after acceptance by the journal. The NIH would prefer that this be done as soon as possible after acceptance.

ASPET changed its copyright transfer forms prior to implementation of the new policy so that authors of NIH-funded research articles accepted by *JPET*, *Molecular Pharmacology*, and *Drug Metabolism and Disposition* may deposit their manuscripts with PubMed Central. ASPET asks its authors to make their articles freely available at PubMed Central **12 months after publication** in the journal. Authors do not have to track the 12-month window. When depositing at PubMed Central, authors are asked for the length of the embargo period. Select 12 months. The system will calculate the release date from meta data supplied to PubMed when the article is published in a journal issue. **PubMed Central will not track the policies of publishers, so authors must select the embargo period.**

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We are alerting corresponding authors and PubMed Central to articles published prior to the 12-month embargo and asking for the articles to be removed until the embargo is over.

At this time, manuscripts must be deposited at PubMed Central one at a time. This work usually falls to the authors or someone in their offices. Publishers have asked the NIH to develop a system to allow bulk deposits of manuscripts by publishers on behalf of authors. That system is not in place.

The "Federal Research Public Access Act of 2006" introduced by Sen. John Cornyn (R-TX) and Sen. Joseph Lieberman (D-CT) would make deposits of NIH-funded research mandatory and would make articles freely available at PubMed Central after 6 months. Stay tuned for more information about this bill.

eTOCs and CiteTrack Keep You Informed

Want to know when new issues of ASPET's journals are available and get a heads-up on upcoming issues? Want to know when articles in your area of interest are being published? How about being alerted to new articles by authors of your choice? Would you like to know when your articles are cited by others?

The online journals' **eTOC** and **CiteTrack** services are the answer to these needs. Both services are free and easy to set up.

**Both services are free
and easy to set up!**

eTOCs give you the option of receiving via email the full table of contents or just an alert that it is available online. For *JPET*, *MolPharm*, and *DMD*—journals that publish Fast Forward publish-ahead-of-print articles—you can opt for daily or weekly alerts of newly published articles. eTOCs can also be set to inform you of future tables of contents, which list the articles planned for upcoming issues. You can also register for announcements from the journal. These are used to relay important changes or news about the journal and go out only a few times each year.

To register for eTOCs, go to any ASPET journal, click on the current table of contents, and follow the link near the top of the page to the registration form.

CiteTrack includes ASPET's journals, most of the other 939 journals hosted by HighWire Press, and journals indexed by PubMed. Once an alert is set up, *CiteTrack* notifies you automatically by e-mail when a new article appears that matches your search criteria.

CiteTrack allows you to create personalized alerts by topic, author, and article. The criteria for topic searches are defined by keywords; you may limit the search to titles and abstracts or expand it to include full article texts. Author-based alerts use last name and first initial, which will find articles whether or not the author uses a full first name. Your alerts can include all PubMed-indexed journals, participating HighWire Press-hosted journals, or your selection of participating HighWire journals.

To be alerted when a HighWire-hosted article is cited, you need only the article's volume number and first page to create the alert.

Setting up alerts is a quick process. You may make your search criteria as broad or as narrow as you wish, and you may create different alerts for different criteria. Searches can include phrases and wildcards. Complete instructions are available online.

To learn more about *CiteTrack* and to create you own alerts, go to any journal's homepage. Click on the "Subscriptions" box and look for the *CiteTrack* links on the page that follows. All ASPET journals can be reached from aspetjournals.org.

Mary Vore Joins the BPT

Dr. Mary Vore, Ph.D., has joined the ASPET Board of Publications Trustees. Dr. Vore is a Professor and Director of the Graduate Center for Toxicology at the University of Kentucky. ASPET's Council unanimously approved Dr. Vore's nomination.

Dr. Vore fills a new seat on the BPT, which is composed of the editors of each ASPET journal and an equal number of at-large members plus the chair. The number of at-large members was increased by one to match the addition of the *Molecular Interventions* to ASPET's publications program. *MI* is represented by its

JOURNALS

Editorial Advisory Board Chair. *Mf's* editor, Harry Smith, Ph.D., is an ASPET staff member and therefore ineligible to represent the journal on the BPT. However, Dr. Smith does serve as a staff liaison to the BPT.

BPT members serve for a three-year term that may be renewed for a second three years. In addition to Dr. Vore, the BPT's members are

- ❖ Brian M. Cox, Chair
- ❖ Darrell R. Abernethy, *Pharmacological Reviews*
- ❖ P. Jeffrey Conn, *Molecular Pharmacology*
- ❖ Lorraine Gudas, At-large Member
- ❖ Eric F. Johnson, *Drug Metabolism and Disposition*
- ❖ John S. Lazo, *Molecular Interventions*
- ❖ Edward T. Morgan, At-large Member
- ❖ Richard R. Neubig, At-large Member
- ❖ Rick G. Schnellmann, *JPET*
- ❖ Darryle D. Schoepp, At-large Member
- ❖ Christine K. Carrico, *ex officio*
- ❖ Richard Dodenhoff, staff liaison
- ❖ Harry Smith, staff liaison

The BPT welcomes Dr. Vore and appreciates her willingness to serve.

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NIH Funding, ASPET Member Advocacy Needed

The House passed its FY'07 Budget Resolution and provided an additional \$7.158 billion to help fund health and education programs. These additional funds had long been advocated by the research community. The additional amount was a successful result of an amendment offered by moderate Republican Representatives Mike Castle (DE), Nancy Johnson (CT), and Dave Reichert (WA). There is a long way to go before the final 2007 NIH budget is determined. The increased allocation of \$7 billion for the House LHHS Appropriations bill does not guarantee this additional funding will be appropriated. Continued outreach to your Representative and Senators is critical in the coming months for the \$7 billion to become a reality during the FY 2007 appropriations process.

The budget resolution is only a blueprint for spending, but the additional monies provide more funds and greater flexibility to appropriators who ultimately make spending decisions on programs. As a result of these efforts, the NIH is in a better position than it was weeks ago when the likelihood of deeper cuts in the agency loomed. We will need the continued support of these moderate Republicans as this process moves to the appropriations stage. Therefore, if your Representative is listed below (or among the above mentioned), it is important that you contact him/her to thank them for their leadership in securing the \$7billion increase in the budget resolution to help fund important health and education programs. They need to hear from their constituents that their effort is recognized and appreciated; they will certainly be hearing from their own conservative colleagues criticizing them for breaking ranks. You can reach your Representative's office by contacting the Capitol switchboard at 202-224-3121. Members to contact include: Sherwood Boehlert (NY), Joanne Emerson (MO), Wayne Gilchrest (MD), John Kuhl (NY), Steven LaTourette (OH), Jim Leach (IA), Todd Platts (PA), Joe Schwarz (MI), Chris Shays (CN), Rob Simmons (CT), Fred Upton (MI), Curt Weldon (PA), Mike Fitzpatrick (PA), Jim Gerlach (PA), Jim Ramstad (MN), and Heather Wilson (NM).

NIH Fact Sheets on Value of Biomedical Research

NIH has posted a set of ten fact sheets on its web site that describe how NIH research is benefiting the public. Fact sheet topics include examples of accomplishments that resulted from doubling the NIH budget, new efforts for FY 2007, and explanations of how research is driving the transformation to predictive, personalized and preemptive medicine. The fact sheets are available at:
<http://www.nih.gov/about/researchresultsforthepublic/index.htm>.

GlaxoSmithKline Postdoctoral Fellowship in Imaging and Integrative Pharmacology

GSK is awarding a postdoctoral fellowship to support training in pulmonary/cardiovascular imaging and pharmacology. The 2 year fellowship term will examine mechanistic links between chronic obstructive pulmonary disease and cardiovascular disease. Details at: <http://www.aspet.org/> (see Featured Links on ASPET home page).

Pharmacogenetics Fact Sheet

A new fact sheet describing NIGMS-funded research on how genes affect responses to drugs is at:
<http://www.nigms.nih.gov/Initiatives/PGRN/Background/FactSheet.htm>



ASPET-Merck Postdoctoral Fellowships in Integrative Pharmacology

The ASPET-Merck Postdoctoral Fellowship in Integrative Pharmacology will renew the competition in Cancer Pharmacology. Fellowship term is three years with no less than six months of the Fellowship to be spent at the Merck Research Laboratories in Boston, MA. For eligibility guidelines, research areas of interest and application information view: http://www.aspet.org/public/merck_fellowships/guidelines.html. Application deadline is August 31, 2006.

2006 Summer Short Courses in Integrative and Organ Systems Science

NIGMS is funding four summer short courses. The purpose of each short course is to introduce graduate students and Ph.Ds to the knowledge and skills needed for integrative studies of organ systems and intact animals and to the physiological and biochemical responses of these systems to drugs. These critical skills are in short supply. Graduate students and Ph.Ds. with these skills are in great demand in both academic and industrial settings. Attendees at this workshop will hear about the summer courses from the course directors and from students who participated this past summer. For information on this summer's short courses visit: http://www.aspet.org/public/public_affairs/pa_NIGMS_shortcourse_awards.html

Animal Enterprise Terrorism Act

HR 4239, the Animal Enterprise Terrorism Act, was the focus of a Congressional hearing in May. Witnesses included representatives from the Justice Department, Glaxo Smith Kline, and others. Read witness statements at: <http://judiciary.house.gov/hearings.aspx?ID=146>. Members of the National Association for Biomedical Research (NABR) may visit: <https://secure5.webfirst.com/nabr.org/AEPC/PasswordS.htm> (password protected) for additional information on the AETA.

\$1 Million to Georgetown University Law Center for Animal Rights Law

Game show host Bob Barker has donated \$1 million to Georgetown University Law Center for the study of animal rights law. The donation will be used to enhance the animal rights curriculum, provide opportunities for students to work in the animal law field, support student-initiated animal rights projects and sponsor conferences and symposia on subjects related to animal protection. Barker has made similar donations to Duke, Stanford, Columbia, Harvard, UCLA, Northwestern, Yale, and Massachusetts.

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Division for Drug Metabolism

ASPET DIVISION FOR DRUG METABOLISM EARLY CAREER ACHIEVEMENT AWARD

The ASPET Division for Drug Metabolism Early Career Achievement Award has been established to recognize excellent original research by early career investigators in the area of drug metabolism and disposition.

The award is presented biennially in odd-numbered years. The award consists of \$1,000, a plaque, and complimentary registration plus travel expenses (to a maximum of \$1,000) for the winner to attend the award ceremony at the annual meeting. The awardee will deliver a lecture at the annual meeting describing his/her relevant research accomplishments. The awardee will be invited to publish a review article on the subject matter of the award lecture in *Drug Metabolism and Disposition*.

Nominees for this award must have a doctoral degree (e.g. Ph.D., M.D., Pharm. D., D.V.M.) and must be within 15 years of having received their final degrees, as of December 31 of the year of the award. There are no restrictions on institutional affiliation, and a candidate need not be a member of ASPET. There is a requirement for two nominators, although more are acceptable. Nominators must be members of ASPET. An individual cannot nominate more than one candidate per award cycle.

Candidates who have made their research contributions in any sector (e.g. academia, industry, government) of the drug metabolism community may be nominated for the award. The primary criterion for the award is the level of excellence and originality of the research conducted by the candidate in the field of drug metabolism and disposition. Independence of thought, originality of approach, clarity of communication, and the impact of the work on the drug metabolism field are important considerations. Candidates shall not be judged in comparison with the work of more experienced investigators. Selection will be made by the Executive Committee of the Division for Drug Metabolism.

Nominations shall consist of the following components:

1. Two or more letters of nomination and support. The signed original and five copies of each letter should be submitted in hard-copy format.
2. The five most significant published papers authored by the candidate. A detailed examination of these publications will form a primary basis for evaluation. Six copies of each paper should be submitted in hard-copy format.
3. A summary, limited to two pages, that describes the importance of the candidate's research contributions. This summary must include brief statements regarding the candidate's role in the five published papers and the overall significance and impact of the work. Submit as an e-mail attachment in RTF or PDF format.
4. A brief biographical sketch of the candidate. Submit as an e-mail attachment in RTF or PDF format.
5. The candidate's curriculum vitae and publication list. Submit as an e-mail attachment in RTF or PDF format.

Nominations for this award must be received no later than **September 15, 2006**, by the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Maryland 20814-3995. Submit e-mail attachments to ccarrico@aspet.org

NEW DIVISION COUNCILOR SELECTED

Emily E. Scott, Ph.D., has been appointed to serve as a Councilor for the Division for Drug Metabolism for a three-year term, 2006-2009. Dr. Scott is an Assistant Professor in the Department of Medicinal Chemistry at the University of Kansas. Dr. Scott received her B.S. from Texas A&M University at Galveston and her Ph.D. from Rice University. She completed postdoctoral training at Rice University and University of Texas Medical Branch. Her research interests include structure/function relationships in cytochromes P450, inhibition of cytochromes P450, and drug metabolism and drug design.



Division for Drug Metabolism continued...

AWARDS PRESENTED AT EB 2006

2006 Graduate Student Best Abstract Awards:

First Place: Jessica Bonzo, University of California San Diego. Advisor: Robert Tukey. "Transgenic UDP-glucuronosyltransferase 1 mice are protected from obesity-induced type 2 diabetes."

Second Place: Dinesh Puppala, University of Kentucky. Advisor: Hollie Swanson. "Inhibition of the aryl hydrocarbon receptor signaling pathway and cigarette smoke induced cell transformation by select dietary flavonoids."

2006 Postdoctoral Scientist Awards:

First Place: Yonghong Zhao, University of Texas Medical Branch. Advisor: Jim Halpert. "Conformational plasticity of cytochrome P450 2B4: crystallographic and solution studies."

Second Place: Xia Wen, Medical University of South Carolina. Advisor: Thomas Walle. "Methylation protects dietary flavonoids from rapid hepatic metabolism."

James R. Gillette Best Papers in Drug Metabolism & Disposition for 2005:

Metabolism category:

Bu H-Z, Kang P, Zhao P, Pool WF, Wu EY. A simple sequential incubation method for deconvoluting the complicated sequential metabolism of capravirine in humans. *Drug Metab Dispos* 33(10): 1438-1445, 2005. [paper given by and award presented to Dr. Hai-Zhi Bu, Pfizer Global Research & Development, San Diego, CA]

Pharmacokinetics/Transporters category:

Bourasset F, Bernard K, Munoz C, Genissel P, Scherrmann J-M. Neuropharmacokinetics of a new alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionic acid (AMPA) modulator, S18986 [(S)-2,3-dihydro-[3,4]cyclopentano-1,2-4-benzothiadiazine-1,1-dioxide], in the rat. *Drug Metab Dispos* 33(8): 1137-1143, 2005. [paper given by and award presented to Dr. Fanchon Bourasset, INSERM, Paris, France]

NEW DIVISION OFFICERS STARTING JULY 1, 2006

David S. Riddick, Past Chair
Laurence Kaminsky, Chair
Kenneth Thummel, Chair-Elect
Xinxin Ding, Past-Secretary/Treasurer
Jeffrey C. Stevens, Secretary/Treasurer
John Chiang, Secretary/Treasurer-Elect

Councilors:
Emily E. Scott
David Williams
Hollie I. Swanson



DIVISION MIXERS



Why join a Division?

You can participate in creating the scientific program for the annual meeting. You can network with people in your field at the mixers and divisional



programming at the annual meeting.

You can participate in running the division and planning its activities, and thereby play a role in running your society.



You get to meet all kinds of neat people.

You get special notices and newsletters about items and activities of interest in your field.



It doesn't cost you anything to join a division, and you can belong to as many divisions as you would like.

If you would like to join a division, just send an email to rphipps@aspet.org





ASPET will be celebrating its Centennial in 2008. Be sure to watch out for all the exciting Centennial activities we will be holding throughout 2007 and 2008.

PLANNED ACTIVITIES INCLUDE

- Timeline of Pharmacology – suitable for hanging in your lab or office!
- Abel Numbers – What is this? Find out on the Centennial Website
 - History of Pharmacology
 - History of ASPET
- Special Division-based Centennial symposia at EB'08
- Commemorative publication for those attending the Centennial meeting
 - Birthday parties in San Diego
 - T-shirts, pins, mugs, and much more!

If you have any ideas for the Centennial, we would love to hear from you. Please send your suggestions to ccarrico@aspet.org

**STAY UP-TO-DATE WITH ASPET CENTENNIAL ACTIVITIES.
VISIT THE CENTENNIAL WEBSITE:**

http://www.aspet.org/public/Centennial/Centennial_home.htm

MEMBERS IN THE NEWS



John A. Harvey, Ph.D., has been appointed Chairman of the Department of Pharmacology and Physiology at Drexel University. Professor Harvey is one of the nation's preeminent researchers in the field of behavioral pharmacology. He has served extensively on important national research review

committees and has been a leading researcher in the field of the biochemical basis of learning and memory, as well as the study of drug effects on the brain. He is extensively published in his field and has served on numerous editorial boards during his career. He has recently been awarded a five year R-37 grant award. Dr. Harvey has been a member of the Department since 1988, and he is a recipient of a MERIT Award from NIMH. Dr. Harvey received an Excellence in Research Award from Drexel University in 2000.



Lynn Wecker, Ph.D., has been appointed Associate Dean for Research at University of South Florida College of Medicine. In her new role, Dr. Wecker will continue to facilitate the development of interdisciplinary synergy and collaboration between faculty and

students in the College of Medicine as well as in other Colleges and Schools at USF Health, USF, and affiliate partners. Dr. Wecker has served and continues to serve on many review committees and editorial boards and is currently an Associate Editor for *xPharm*. She is also the co-editor of the 4th edition of *Brody's Human Pharmacology: From Molecular to Clinical*, published in 2005. Dr. Wecker will also be serving ASPET as Secretary/Treasurer starting July 2006.

Alejandro C. Zaffaroni, Ph.D., has been awarded the 8th Annual Biotechnology Heritage Award. The award was presented at the plenary breakfast session at BIO 2006 in Chicago. Among his many honors, Dr. Zaffaroni was awarded the National Medal of Technology by President Clinton in 1995 in recognition of his contributions to the pharmaceutical and biotechnology industries. In 1998, he became the first recipient of the Lifetime Achievement Award of the University of California at Berkley Entrepreneurs Forum and was elected fellow of the American Association for the Advancement of Science. Dr. Zaffaroni has been a member of ASPET for 35 years.

**SHARE YOUR NEWS WITH YOUR FELLOW
ASPET MEMBERS**

Send news and photos to sthompson@aspet.org



Susan B. Horwitz, Ph.D., is the winner of the 29th annual Bristol-Myers Squibb *Freedom to Discover* Award for Distinguished Achievement in Cancer Research for her pioneering discoveries of the mechanism of action of paclitaxel (Taxol®), research findings that were pivotal to the development of one of medicine's most important

cancer chemotherapies. She is also honored for her continuing contributions to understanding the mechanisms of action and of resistance of a wide range of anti-tumor agents. Dr. Horwitz is the Falkenstein Professor of Cancer Research and the co-chair of the Department of Molecular Pharmacology at the Albert Einstein College of Medicine of Yeshiva University in New York. Dr. Horwitz has received numerous honors and awards in the past, including the ASPET Award for Experimental Therapeutics in 1994.

Melanie H. Cobb, Ph.D., is one of 72 new members elected to the National Academy of Sciences. She was elected in recognition of her distinguished and continuing achievements in original research. Dr. Cobb is a Jane and Bill Browning Jr. Chair in Medical Sciences at Southwestern Graduate School for Biomedical Sciences and a professor in the Department of Pharmacology at the University of Texas Southwestern Medical Center. Dr. Cobb is also a past Goodman and Gilman Award winner.

STAFF NEWS



Suzie Thompson joined the ASPET staff in April 2006 as the Member Services Marketing Manager. Suzie received her B.A. in English and U.S. Government at the University of

Virginia. After graduating from UVA, she moved to New York, where she worked in the subscriptions department of a magazine publishing company for two years. She then moved abroad to England, where she developed her career in marketing, membership services, and subscriptions even further. She moved back to the U.S. this year and joins ASPET with much enthusiasm in her new role. She is responsible for identifying new members for ASPET and insuring that we retain our existing members. She is also working closely with other staff and ASPET's committees, divisions, and chapters to help promote ASPET's marketing initiatives.



NEW MEMBERS

ASPET WOULD LIKE TO WELCOME THE FOLLOWING NEW MEMBERS:

REGULAR MEMBERS

Alagarsamy, Sudar, Ferring Research
Auerbach, Scott, NIEHS
Bauer, Bjoern, NIH/NIEHS, Laboratory of Pharmacology & Chemistry
Blendy, Julie, Univ of Pennsylvania, Dept of Pharmacology
Bonanno, Giamgattista, University of Genoa, Dept of Exp Med, Pharmacology & Toxicology
Carbone, David, Colorado State University, Dept of Envir & Radiological Hlth Sciences
Choi, Doo-Sup, Mayo Clinic College of Med, Dept of Molecular Pharm & Exp Therapeutics
Churchill, Mair, Univ of Colorado HSC, Dept of Pharmacology
Collier, Abby, Univ of Hawaii, John A Burns School of Medicine
Drummond, Grant, Monash University, Dept of Pharmacology
Freeman, Bruce, Univ of Pittsburgh, Dept of Pharmacology
Hammarlund-Udenaes, Margareta, Uppsala Univ, Dept of Pharmacokinetics & Drug Therapy
Hemby, Scott, Wake Forest Univ School of Med, Dept of Physiology and Pharmacology
Hermonat, Paul, Univ of Arkansas for Medical Sciences, Dept of Cardiovascular Medicine
Huang, Xinyan, University of Michigan, Dept of Pharmacology
James, Laura, Arkansas Children's Hospital, Network of Pediatric Pharmacology Research
Jerde, Travis, Univ of Wisconsin Med School, Dept of Surgery, Div of Urology
Lee, May, Iconix Pharmaceuticals, Dept of Drug Informatics
Lichtman, Aron, Virginia Commonwealth Univ, Dept of Pharmacology & Toxicology
Livesey, John, Univ of the Pacific, TJ Long School of Pharm & Hlth Sciences
Ma, Qiang, TMBB/HELD/NIOSH/CDC, Receptor Biology Laboratory
Ononiwu, Innocent, Howard University, Dept of Pharmacology
Parsons, Loren, Scripps Research Institute, Dept Molecular & Integrative Neuroscience
Paul, Jeffrey, Wyeth Research, Dept of Clinical Pharmacology - CNS
Rahman, Shafiqur, University of Kentucky, Dept of Drug Abuse Rsch Translation
Ramamoorthy, Sammanda, Medical Univ of South Carolina, Dept of Neuroscience
Rollins, Douglas, Univ of Utah, Center for Human Toxicology
Sardi, Sergio, University of Harvard Children's Hospital, Dept of Neuroscience
Sattin, Albert, VA UCLA, Dept of Psychiatry & Biohavioral Science
Sikela, James, Univ of Colorado Hlth Sci Ctr, Dept of Pharmacology
States, J., Univ of Louisville, Dept of Pharmacology & Toxicology
Sunahara, Roger, University of Michigan Medical School, Dept of Pharmacology
Tata, Despina, Boston University School of Medicine, Dept of Pharmacology
Tesmer, John, University of Michigan, Life Sciences Institute
Trepanier, Lauren, University of Wisconsin-Madison, School of Veterinary Medicine
Vaidya, Vishal, Harvard Institutes of Medicine, Dept Renal Division
Wu, Tzu-Hua, Taipei Medical University, School of Pharmacy
Xiao, DaLiao, Loma Linda Univ School of Med, Dept of Physiology & Pharmacology
Zheng, Chunyang, Cornell Univ, Weill Medical College, Dept of Pharmacology
Zhorov, Boris, McMaster University, Dept of Biochem & Biomedical Sciences

AFFILIATE MEMBERS

Troutman, John, Procter & Gamble Pharmaceuticals, Health Care Research Center

STUDENT MEMBERS

Acuin, Cecilia, Cornell University, Dept Nutritional Sciences
Bowton, Erica, Vanderbilt University, Brain Institute
Chen, Jue, Emory University, Dept of Pharmacology
Chinn, Leslie, University of California, Dept of Biopharmaceutical Sciences

NEW MEMBERS

Choudhury, Mahua, University of Missouri, Dept of Med Pharmacology & Physiology
Ding, Zhe, Temple University School of Medicine, Dept of Pharmacology
Fife, Kimberly, University of California, Dept of Biopharmaceutical Sciences
Flint, Rashonda, University of Michigan, Dept of Pharmacology
Gow, Jason, University of California, Dept of Biopharmaceutical Sciences
Hadlock, Gregory, Univ of Utah, Dept of Chemistry
Hull, Lynn, Virginia Commonwealth Univ, Dept of Pharmacology & Toxicology
Piecewicz, Stephanie, Harvard Univ/MIT, Div of Health Sciences
Rossi, Dania, University of Texas, HSC, Dept of Pharmacology
Stanboully, Seta, Univ of Western Ontario, Dept of Physiology & Pharmacology

UNDERGRADUATE STUDENT MEMBERS

Agrawal, Trisha, Univ of Pittsburgh, Dept of Pharmacology
Barbadora, Stephanie, Univ of Pittsburgh, Dept of Pharmacology
Benganem, Ghofrane, Univ of Pittsburgh, Dept of Pharmacology
Brizzi, Kate, Univ of Pittsburgh, Dept of Pharmacology
Cullen, Ryan, Univ of Pittsburgh, Dept of Pharmacology
Eskander, Laura, Univ of Pittsburgh, Dept of Pharmacology
Frank, Adam, Univ of Pittsburgh, Dept of Pharmacology
Gulley, Lauren, Univ of Pittsburgh, Dept of Pharmacology
Landry, Cynthia, University of Sherbrooke, Dept of Pharmacology
Lucas, Kathryn, University of Michigan Medical School, Dept of Pharmacology
Mak, Rowena, Univ of Pittsburgh, Dept of Pharmacology
Meyer, Jessica, Univ of Pittsburgh, Dept of Pharmacology
Morneweck, Bradley, Univ of Pittsburgh, Dept of Pharmacology
Myers, Chad, Univ of Pittsburgh, Dept of Pharmacology
Reisz, Julie, Univ of Pittsburgh, Dept of Pharmacology
Saeger, Jessica, Univ of Pittsburgh, Dept of Pharmacology
Sahu, Anirban, Univ of Pittsburgh, Dept of Pharmacology
Schell, Adam, Univ of Pittsburgh, Dept of Pharmacology
Sloan, Dea, Univ of Pittsburgh, Dept of Pharmacology
Wang, Phillip, Univ of Pittsburgh, Dept of Pharmacology

HONORING FIFTY YEARS OF ASPET MEMBERSHIP



Joseph F. Artusio
Anastasius S. Dontas
Paul B. Hagen
Max A. Heinrich
Dorothy Karp
Tag E. Mansour
William L. Miller
Jack W. Miller
Tom S. Miya
George T. Okita
Robert E. Parks
J. Palmer Saunders
Shiro Shimosato
Wallace D. Winters



IN SYMPATHY

ASPET notes with sympathy the passing of the following members:

Donal J. Reed

B.V. Rama Sastry

Robert L. Wolen

ASPET MEMBERS SURVEY

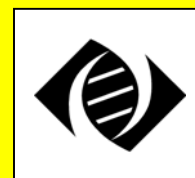
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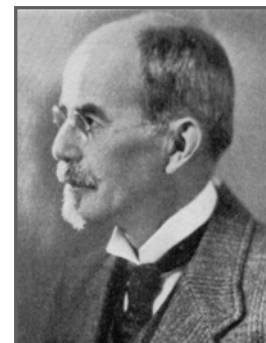
This brief survey will take only a few minutes of your time and will give you a chance to tell us how we are doing and what we can do to improve services. Your membership is very important to us, so please take the time now and complete the ASPET Members Survey.



CALL FOR AWARD NOMINATIONS FOR 2007

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 plaque, 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 ASPET Awards Committee, appointed by the President of ASPET.

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.

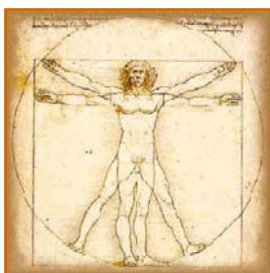
Nominations for this Award must be received no later than **September 15, 2006**, by the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Maryland 20814-3995.

Winners of the John J. Abel Award

1947	George Sayers	1967	Frank S. LaBella	1987	Lee E. Limbird
1948	J. Garrott Allen	1968	Richard J. Wurtman	1988	Robert R. Ruffolo, Jr.
1949	Mark Nickerson	1969	Ronald Kuntzman	1989	Kenneth P. Minneman
1950	George B. Koelle	1970	Solomon H. Snyder	1990	Alan R. Saltiel
1951	Walter F. Riker, Jr.	1971	Thomas R. Tephly	1991	Terry D. Reisine
1952	David F. Marsh	1972	Pedro Cuatrecasas	1992	Frank J. Gonzalez
1953	Herbert L. Borison	1973	Colin F. Chignell	1993	Susan G. Amara
1954	Eva K. Killam	1974	Philip Needleman	1994	Brian Kobilka
1955	Theodore M. Brody	1975	Alfred G. Gilman	1995	Thomas M. Michel
1956	Fred W. Schueler	1976	Alan P. Poland	1996	John D. Scott
1957	Dixon M. Woodbury	1977	Jerry R. Mitchell	1997	David J. Mangelsdorf
1958	H. George Mandel	1978	Robert J. Lefkowitz	1998	Masashi Yanigasawa
1959	Parkhurst A. Shore	1979	Joseph T. Coyle	1999	Donald P. McDonnell
1960	Jack L. Strominger	1980	Salvatore J. Enna	2000	William C. Sessa
1961	Don W. Esplin	1981	Sydney D. Nelson	2002	Steven A. Kliewer
1962	John P. Long	1982	Theodore A. Slotkin	2003	David S. Brecht
1963	Steven E. Mayer	1983	Richard J. Miller	2004	David P. Siderovski
1964	James R. Fouts	1984	R. Peter Guengerich	2005	Randy Hall
1965	Eugene Braunwald	1985	P. Michael Conn	2006	Christopher M. Counter
1966	Lewis S. Schanker	1986	Gordon M. Ringold		



CALL FOR AWARD NOMINATIONS FOR 2007



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 of the candidate's accomplishments and qualifications for the award. Selection will be made by the ASPET Awards 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, 2006**, by the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, Maryland 20814-3995.

Winners of the ASPET Award for Experimental Therapeutics

1969	John A. Oates	1983	Marcus M. Reidenberg	1997	Michael M. Gottesman
1970	Joseph R. Bertino	1984	Sir James Black	1998	Phil Skolnick
1971	Elliot S. Vesell	1985	Louis Lemberger	1999	Yung-Chi Cheng
1972	Francois M. Abboud	1986	Alan C. Sartorelli	2000	Saloman Z. Langer
1973	Dean T. Mason	1987	Albrecht Fleckenstein	2001	George R. Breese
1974	Leon I. Goldberg	1988	Jean-Francois Borel	Became Pharmacia-ASPET Award in Experimental Therapeutics	
1975	Mackenzie Walser	1989	Benedict R. Lucchesi	2002	Darryle D. Schoepp
1976	Louis Lasagna	1990	Albert Sjoerdsma	2003	William C. DeGroat
1977	Allan H. Conney	1991	Theophile Godfraind	2004	Philip Needleman
1978	Attallah Kappas	1992	James W. Fisher	2005	Donald McDonnell
1979	Sydney Spector	1993	V. Craig Jordan	2006	John C. Lee
1980	Sanford M. Rosenthal	1994	Susan B. Horwitz		
1981	David G. Shand	1995	Henry I. Yamamura		
1982	William H. Prusoff	1996	Robert F. Furchgott		

TORALD SOLLMANN AWARD IN PHARMACOLOGY INVESTIGATION AND 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



CALL FOR AWARD NOMINATIONS FOR 2007

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 ASPET Awards Committee, appointed by the President of ASPET.

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 2007 Award must be received no later than **September 15, 2006**, 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 Kraye	1981	Avram Goldstein	1997	Alfred G. Gilman
1963	Bernard B. Brodie	1984	K. K. Chen	1999	William W. Fleming
1966	Arnold D. Welch	1986	Walter K. Riker	2001	Benedict R. Lucchesi
1969	Earl W. Sutherland, Jr.	1988	James A. Bain	2003	Palmer W. Taylor
1973	Julius Axelrod	1990	George B. Koelle	2005	Kenneth E. Moore
1975	Sidney Udenfriend	1992	E. Leong Way		
1978	Karl H. Beyer, Jr.	1995	Theodore M. Brody		

EPILEPSY RESEARCH AWARD FOR OUTSTANDING CONTRIBUTIONS TO THE PHARMACOLOGY OF ANTI-EPILEPTIC 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 2007 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, 2006**, 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	1986	Robert L. Macdonald	1995	Karen N. Gale
1979	Paolo L. Morselli	1987	James O. McNamara	1997	Marc A. Dichter
1980	Dixon M. Woodbury	1988	Harvey J. Kupferberg	1999	Robert Sloviter
1981	James A. Ferrendelli	1989	Frank C. Tortella	2001	Wolfgang Löscher
1982	Ewart A. Swinyard	1990	Robert Naquet	2003	Brian S. Meldrum
1983	Arthur Camerman	1991	Raymond Dingledine	2005	J. Victor Nadler
1984	Phillip C. Jobe	1992	O. Carter Snead III		
1985	Robert J. DeLorenzo	1994	Michael A. Rogawski		





**THE JULIUS AXELROD AWARD
IN PHARMACOLOGY**

The Julius Axelrod Award in Pharmacology was established to honor the memory of the eminent American pharmacologist who shaped the fields of neuroscience, drug metabolism and biochemistry and who served as a mentor for numerous eminent pharmacologists around the world. The Julius Axelrod Award is presented annually for significant contributions to understanding the biochemical mechanisms underlying the pharmacological actions of drugs and for contributions to mentoring other pharmacologists.

The award consists of an honorarium of \$5,000, a medal, and travel expenses for the winner and spouse to the annual meeting. The formal presentation of this 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 the Julius Axelrod Lecture at the annual meeting. The recipient will also be invited by the Catecholamine Club to give a less formal presentation at its annual dinner meeting.

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) or the Catecholamine Club, 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 research and mentoring in pharmacology. Selection of the recipient will be made by the Axelrod Award Committee, appointed by the President of ASPET and comprised of members of ASPET and the Catecholamine Club.

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

1. Letter of nomination describing the research and mentoring 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. List of individuals mentored by the individual.
4. Candidate's *curriculum vitae* and bibliography.

First receipt date for nominations for Julius Axelrod Award will be **October 15, 2006** for an award to be presented at Experimental Biology '07 in Washington, DC.

Julius Axelrod Award

1991	Ullrich Trendelenberg	2000	Erminio Costa
1992	Arvid Carlsson	2001	Toshi Nagatsu
1993	Norman Weiner	2002	Salomon Langer
1994	Robert Furchgott	2003	Richard Weinshilboum
1995	Irwin Kopin	2004	Richard Palmiter
1998	Sidney Spector	2005	Marc Caron
1999	Solomon Snyder	2006	Susan Amara



Definitions of Categories of ASPET Membership

◆ **Regular Members:** Any doctoral level investigator who has conducted, and is the primary author on at least one publication of, an original study in the area of pharmacology published in a peer-reviewed journal is eligible for membership in ASPET. Exceptions may be made for someone who does not meet the degree requirement but who has made major research contributions to pharmacology. Dues for regular members are \$130/year. Regular members must be nominated by two (2) Regular or Retired ASPET members.

◆ **Affiliate Members:** An investigator who does not meet the requirements for Regular membership because of the lack of a degree or lack of publication is eligible to apply for Affiliate membership. Affiliate members receive all the same member benefits as Regular members except that they may not vote in ASPET elections. Dues for Affiliate members are \$105/year. Affiliate members must be nominated by one (1) Regular or Retired ASPET member.

◆ **Student Members:** Individuals who are enrolled in undergraduate, graduate, or professional degree programs are eligible for Student membership in ASPET. Student members receive all the same benefits as Regular Members except that they may not vote in ASPET elections. Individuals may remain in the Student Member category for up to two (2) years following completion of their research doctoral degree. Undergraduate students pay no dues. Dues for second year and above Student Members are \$30. Student members must be nominated by one (1) Regular or Affiliate ASPET member.

Sponsors should send an email or letter addressing the applicant's qualifications for ASPET membership directly to the ASPET office (rhipps@aspet.org).

Regular Member Benefits (Dues \$130):

- Reduced page charges to publish in ASPET journals – pay \$35/page instead of \$70/page and save enough with one four-page article to pay your annual ASPET dues!
- Half-price color fees to publish color figures in ASPET journals
- Free full-text access to all five online ASPET journals, including all back issues
- Free subscription to *Molecular Interventions* (print) and *The Pharmacologist* (online)
- Reduced subscription rates for ASPET print journals
- Reduced registration fees for ASPET meetings
- Sponsorship of papers at the ASPET meeting
- Best abstract awards for young scientists at the ASPET meeting
- Free listing in the FASEB Directory and free subscription to the FASEB online newsletter
- Membership in multiple ASPET Divisions for no additional dues.

Affiliate Members (Dues \$105) 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 \$30) 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. Undergraduate student members pay no dues and get their first graduate year free.
- 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.

2006 Publication Subscription Rates for Members

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

- *Journal of Pharmacology and Experimental Therapeutics* (Monthly) - \$182/year
- *Pharmacological Reviews* (Quarterly) - \$77/year
- *Drug Metabolism and Disposition* (Monthly) - \$91/year
- *Molecular Pharmacology* (Monthly) - \$119/year
- *Molecular Interventions* (Bimonthly) – included with dues

Application Instructions and Suggestions

Submit 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 a statement(s) of qualifications of the applicant from two Regular/Retired Members of ASPET for Regular Membership and from one Regular/Retired 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 insure that these documents are submitted to the ASPET office.**





9650 Rockville Pike, Bethesda, MD 20814-3995 USA ♦ Phone: 301-634-7060 ♦ Fax: 301-634-7061 ♦ www.aspet.org

Application for Membership

Application for: Regular, Affiliate, Student

Students Only: Graduate Student Undergraduate Student - Year: Fr Soph Jr Sr

APPLICANT: Please complete this section – type if possible.

Name and Address:

Telephone:

Fax:

E-mail:

Date of Birth:

Education and Training:

Date and Degree

School

City/State/Country

Major Field

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

Name, address and e-mail of two sponsors (one sponsor for student and affiliate membership):

Indicate primary (1) and as many secondary (X) divisions to which you wish to belong:

___ Division for Behavioral Pharmacology

___ Division for Drug Metabolism

___ Division for Cardiovascular Pharmacology

___ Division for Molecular Pharmacology

___ Division for Clinical Pharmacology,
Pharmacogenomics & Translational Medicine

___ Division for Neuropharmacology

___ Division for Drug Discovery, Development &
Regulatory Affairs

___ Division for Pharmacology Education

___ Division for Systems & Integrative Pharmacology

___ Division for Toxicology

Division membership is a benefit of ASPET membership and there is no additional charge to belong to a division. It is highly recommended that you join a division so that you may take full advantage of Society participation. Joining a division allows you to participate in creating the scientific program for the annual meeting, network with people in your field at mixers and divisional programs, and receive special notices and newsletters about items and activities of interest in your field. Be sure to indicate at least one division to which you wish to belong.

Paperwork Summary

1. Application form.
2. Statement of qualification for membership in ASPET and signatures from two sponsors for Regular membership and from one sponsor for Affiliate and Student membership. A letter or e-mail should be sent by the sponsor to the Membership Coordinator (rhipps@aspnet.org).
3. *Curriculum vitae* (include bibliography) for Regular and Affiliate membership.

Call or e-mail the ASPET Membership Department for additional information: 301-634-7135 / rhipps@aspnet.org.

You may apply online at <http://www.aspet.org/public/membership/membership.html>

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- ◆ **Online Manuscript Submission** — submit your manuscript 24/7 — whenever it suits your schedule; online peer review reduces review times; track the progress of your manuscript through the review process
- ◆ **Publish Online Ahead of Print** — manuscripts are published online shortly after acceptance — at least two months prior to print publication
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dmd.aspetjournals.org
- **Molecular Pharmacology**
molpharm.aspetjournals.org
- **Molecular Interventions**
molinterv.aspetjournals.org

Activation Instructions:

Step 1: You must have your **Membership ID Number** to activate your subscription. This number can be found on your dues statement or you may email rhipps@aspet.org to find out your ID number.

Step 2: Go to any of our Journal websites:

jpet.aspetjournals.org
pharmrev.aspetjournals.org
dmd.aspetjournals.org
molpharm.aspetjournals.org
molinterv.aspetjournals.org

Step 3: Click on “**Subscriptions**” This will bring you to the subscriptions page.

Step 4: Click on “**ACTIVATE Your Member or Individual (Non Member) Subscription**”.

Step 5: Enter your Membership ID Number where indicated and click “**Submit**”.

Step 6: Complete the page that follows. You will be asked to create a USER NAME and a PASSWORD.

Step 7: You now have access to all of the journals. You only have to activate one journal to get access to all five ASPET journals.

Future Meetings

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

GPCR Colloquium
Washington, DC
Friday-Saturday
April 27-28, 2007

🏆 ASPET's Centennial 🏆
Experimental Biology '08
San Diego, CA
Saturday-Wednesday
April 5-9, 2008

Experimental Biology '09
New Orleans, LA
Saturday-Wednesday
April 18-22, 2009