

# The Pharmacologist

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## Experimental Biology 2007 Washington, D.C.



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# The PHARMACOLOGIST

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**Have you paid your 2007 Membership Dues?**  
**Membership dues are now past due. If you have not paid your 2007 dues, please be sure to pay your dues at [www.aspet.org](http://www.aspet.org).**

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Suzie Thompson

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## EB 2007 REVIEW

ASPET met as part of Experimental Biology 2007, April 28-May 2, in Washington, D.C. With great attendance and enthusiasm ASPET members enjoyed attending exciting symposia, networking mixers, and ASPET events.

The ASPET Business Meeting took place on Saturday, April 28, where upcoming ASPET Centennial activities, public affairs updates, financial information, and other ASPET business were discussed. The ASPET Awards Reception was followed by the Business Meeting. Congratulations to all the award winners:



President-Elect Kenneth P. Minneman presents President Elaine Sanders-Bush with the ASPET Gavel



Michael D. Ehlers, MD, PhD, winner of the John J. Abel Award with President Sanders-Bush



P. Jeffrey Conn, PhD, winner of the Pharmacia-ASPET Award for Experimental Therapeutics with President Sanders-Bush



Robert Schwarcz, PhD, winner of the ASPET Epilepsy Award with President Sanders-Bush



Sue P. Duckles, PhD, winner of the ASPET-Torald Sollman Award with President Sanders-Bush



ASPET-Astellas Awards in Translational Pharmacology winners, P. Jeffrey Conn, PhD, Katherine A. Cunningham, PhD, and Liewei Wang, MD, PhD with President Sanders-Bush



Tong H. Joh, PhD, winner of the Julius Axelrod Award with President Sanders-Bush



Graduate Student Travel Award Winners



Young Scientist Travel Award Winners



Summer Undergraduate Research Fellow Travel Award Winners

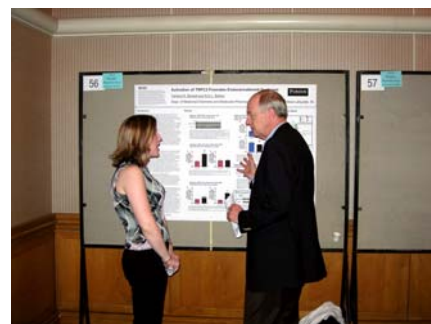
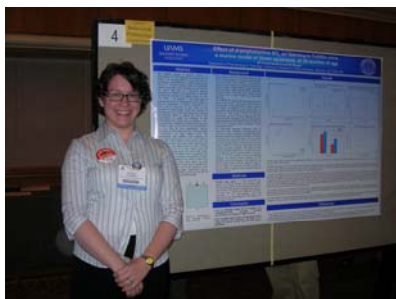
## EB 2007 REVIEW

Directly following the Business Meeting and Awards Reception, ASPET kicked off the start of the Experimental Biology meeting by holding an Opening Reception, featuring appetizers, drinks, and a chocolate fountain. Pictures from the reception are below.



## EB 2007 REVIEW

The Student/Young Scientist and Mentor Mixer gave students and young scientists a chance to network with ASPET members, present their work, and socialize with each other and their mentors. The mixer featured poster competitions by divisions, a taco bar and drinks. Pictures from the mixer are below.



The ASPET booth was also buzzing at EB this year. ASPET gave away Abel Number buttons, 10 Decades of Pharmacology Posters, ASPET lapel pins, and ASPET luggage tags. ASPET was also collecting raffles for an Apple iPod giveaway, selling holiday ornaments, and signing up people for membership. A record 88 New Membership Applications were filled out this year!



The raffle was drawn after the meeting. Congratulations to ASPET member Lauren Murphree for winning the Apple iPod raffle. A second drawing was made for a compilation CD, which went to ASPET member Kelly Bosse.

## MESSAGE FROM THE PRESIDENT



Dear ASPET members:

This has been an exciting year for ASPET and there's more to come. Two major goals for the year have focused on membership services and the upcoming Centennial Celebration. In my previous letters, I have urged you to take part in a recruitment campaign to increase membership – our goal is to reach 5000 members by 2008 (our 100<sup>th</sup> anniversary year). We recognize that a key to this effort is to expand and improve member-related services. Our program committee has done an excellent job of providing top notch science at our annual meeting, and our journals continue to be successful, offering our members reduced fees and full electronic access to our journals. The ASPET office is energized and ready to serve you. We have recently invested in an improved

membership database and management system and, importantly, have been able to hire a new staff member to focus on developing marketing tools and strategies for increasing visibility and recruitment of new members. These enhancements have been made possible by a sound financial footing, having recovered completely from the market slump of 2002. We have stepped up our advocacy efforts and plan to empower you as individual scientists to be more proactive, communicating to the public the promise of biomedical research and contacting your senators and representatives about issues that are important to you and to the advancement of science. And this year, two new award programs were initiated - the Julius Axelrod Award and ASPET-Astellas Awards - expanding opportunities for recognition of scientific accomplishments in pharmacology.

Our Centennial Celebration at the 2008 ASPET meeting in San Diego will be highlighted by a stellar scientific program and many birthday-related events. The countdown to our 100<sup>th</sup> birthday was initiated at the 2007 ASPET meeting in Washington, D.C. Thanks to some creative marketing, including an impressive timeline poster (available free to members) and a highly successful launching of the Abel Number project (which was highlighted in a recent article in *Nature*), there was a buzz of excitement and anticipation. Be sure to mark your calendars and plan to be at the San Diego meeting in April 2008 for an unforgettable event.

It truly has been an honor to serve as President of ASPET at an important time in our history. It is with some envy that I turn the gavel over to Ken Minneman, who will have the privilege of hosting the ASPET 100<sup>th</sup> birthday celebration. See you there, Ken.

A handwritten signature in black ink that reads "Elaine Searles". The signature is written in a cursive, flowing style.

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David Sibley (2008)  
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 Margarita L. Dubocovich, Advisor  
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 Lynn Wecker, Advisor  
 TBN, Council Liaison  
 Christine K. Carrico, *Staff Liaison*

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### ASPET Awards Committee

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 Vincent A. Chiappinelli (2008)  
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 R. Adron Harris (2009)  
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J. David Leander (2009)  
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**AMERICAN ASSOCIATION FOR THE  
ADVANCEMENT OF SCIENCE**

Gary O. Rankin (2008)

**U.S. PHARMACOPEIAL CONVENTION**

Kenneth L. Dretchen (2010)

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Steven Holtzman  
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Kenneth P. Minneman  
L. Charles Murrin  
Elaine Sanders-Bush  
Clinton Webb  
Christine K. Carrico, alternate

**AMERICAN ASSOCIATION FOR ACCREDITATION  
OF LABORATORY ANIMAL CARE**

Steven I. Dworkin (2008)

**Interested in serving  
on an ASPET  
Committee?**

**Serving on an ASPET  
Committee is a great way  
to actively participate in  
the Society.**

**All positions for this year  
are filled, but we are  
looking for volunteers for  
next year.**

**If interested, please  
contact Christine Carrico  
at**

**[ccarrico@aspet.org](mailto:ccarrico@aspet.org)**

## JOURNALS

Are you aware that free online access to all five ASPET journals is part of your membership benefits? If you haven't already, please activate your journal subscriptions by following the steps below:

### Journal Subscription Activation Instructions:

**Step 1:** You must have your **Membership ID Number** to activate your subscriptions. This number is found on your welcome letter and your dues invoice, or you can email us at [rhipps@aspet.org](mailto:rhipps@aspet.org) to find out your number.

**Step 2:** Go to any of our Journal websites:

<http://jpet.aspetjournals.org>  
<http://pharmrev.aspetjournals.org>  
<http://dmd.aspetjournals.org>  
<http://molpharm.aspetjournals.org>  
<http://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 HAVE TO ACTIVATE ONLY ONE JOURNAL TO GET ACCESS TO ALL FIVE – THIS PROCESS **DOES NOT** HAVE TO BE REPEATED FOR EACH JOURNAL.

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### Electronic Table of Contents Alerts (eTOC):

For your convenience, you can also sign up for **Electronic Table of Contents Alerts (eTOC)**. The eTOC service allows anyone who registers their email address to be notified via email when new content goes online. You may choose to receive any or all of the following alerts:

- Notification that a new issue is online and notification of future issues.
- Complete tables of contents for new issues (eTOCs) and future issues (fTOCs).
- Notification that new Fast Forward (publish ahead of print) articles are online.
- Special Announcements from ASPET.

**To sign up for one or all of these Alerts:**

**Step 1:** Repeat Step 2 and Step 3 above. This will bring you to the subscriptions page.

**Step 2:** Click on “**Sign up to automatically receive Tables of Contents by email.**”

**Step 3:** Click on “**Sign up now!**”

**Step 4:** You can either sign up by entering your USER NAME and PASSWORD or by entering your EMAIL ADDRESS. Once you have entered your information, click “**Subscribe.**”

**Step 5:** Make your choices by clicking the check boxes. After making your selections, click on the “**Submit**” button at the bottom of the page.

**Step 6:** Repeat Steps 1-5 for each journal.



## NIH Appropriations

House and Senate Conferees have agreed on a proposal to add \$21 billion for non-defense domestic discretionary programs in the FY'08 Budget Resolution. This potentially allows for significant increases in the NIH and other federal science agency budgets. President Bush has threatened to veto any domestic appropriations bill that exceeds his spending requests, which is now \$21 billion higher due to the Conferees action. It is not clear if the veto could be sustained as Democrats and many Republicans are interested in funding worthwhile programs, notably NIH. Thanks to many ASPET members and thousands of others who responded to an alert to contact their Representatives and Senators asking they support the additional \$21 billion for discretionary spending. The biomedical research community now hopes that a significant portion of that \$21 billion will be allocated to the Labor/HHS Appropriations Subcommittee that funds the NIH.

## EB Public Affairs Events

Many ASPET members joined other participating society members attending the 2008 Experimental Biology meeting in Washington to visit with their congressional delegation and to discuss the benefits of biomedical research and why NIH needs their support. Almost 100 congressional visits were made. ASPET appreciates the time its members made during a hectic schedule of scientific programming. Also, almost 1,000 EB attendees heard NIH Director Elias Zerhouni and former Congressman John Porter discuss the state of NIH funding and the future of the biomedical research enterprise.



*ASPET President, Elaine Sanders-Bush with NIH Director, Elias Zerhouni and former Rep. John Porter*

## 2007 Summer Short Courses in Integrative and Organ Systems Science (IOSS)

The past two summers, NIGMS has funded four short courses in integrative and organ systems science. These summer short courses will be offered again in 2007 and 2008 at four institutions. The purpose of each short course is to introduce graduate students and PhDs 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 PhDs with these skills are in great demand in both academic and industrial settings. Interested individuals can find more information on the NIGMS summer short courses at

[http://www.aspet.org/public/public\\_affairs/pa\\_NIGMS\\_shortcourse\\_awards.html](http://www.aspet.org/public/public_affairs/pa_NIGMS_shortcourse_awards.html)

## ASPET-IOSS Fund Application Guidelines

The ASPET-IOSS Fund was created to provide support for graduate students and post-doctoral researchers seeking training in integrative whole organ systems sciences. The fund is currently supported by Abbott Laboratories, Merck Research Laboratories, Pfizer and Wyeth Research. The goal is to help augment developing programs (see above) that provide training of students in this field. For application information and more details, visit: [http://www.aspet.org/public/public\\_affairs/pa\\_sip.html](http://www.aspet.org/public/public_affairs/pa_sip.html) or see page 66.

## Senate Passes FDA User Fee Bill

After a week of debate and numerous amendments, on May 9 the Senate overwhelmingly passed legislation to renew the user fees that drug companies pay to the FDA to review their products. The bill reauthorizes the

## PUBLIC AFFAIRS/GOVERNMENT RELATIONS

Prescription Drug User Fee Act (PDUFA) and the Medical Device User Fee Modernization Act (MDUFMA), providing about \$450 million in drug and device user fee revenue to FDA in FY 2008. The drug safety portion of the bill expands the ClinicalTrials.gov data bank at the National Library of Medicine to include all phase II and later drug trials and medical device trials. In addition, results from clinical trials will be included in the data base after the drug or device has been approved for marketing.

### FASEB “Breakthroughs” Publication on Antidepressants

FASEB has published “Science, Serotonin, and Sadness: The Biology of Antidepressants,” the latest article in the *Breakthroughs in Bioscience* series. This article describes how fundamental understanding of brain chemistry and the underlying causes of depression have resulted in successful treatments for this crippling disease, including selective serotonin reuptake inhibitors or SSRIs. The *Breakthroughs in Bioscience* series is a collection of illustrated articles, published by FASEB, that explain recent developments in basic biomedical research and how they are important to society. To obtain a free copy of these publications, visit the *Breakthroughs in Bioscience* Website <http://opa.faseb.org/pages/Publications/breakthroughs.htm> or contact FASEB’s Office of Public Affairs at (301) 634-7650. David Bylund served as the scientific advisor for this article.

### Funding Opportunities

Pharmacological Approaches to Combating Antimicrobial Resistance  
<http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-07-025.html>

## KEEP ASPET INFORMED...



Have you moved?



Changed your e-mail address?

Graduated from your training program?



Help us keep your information accurate so that you don't miss out on any important news or events!

Please send all your information changes to Robert Phipps at

[rphipps@aspet.org](mailto:rphipps@aspet.org).

The ASPET Divisions held Mixers at Experimental Biology 2007.  
Pictures from the mixers are below:

**Behavioral Pharmacology Mixer**



**Cardiovascular Pharmacology Mixer**



**Clinical Pharmacology, Translational Medicine & Pharmacogenomics,  
Drug Discovery, Drug Development, & Regulatory Affairs,  
Pharmacology Education, and Systems and Integrative Pharmacology  
Joint Mixer**



**The Division for Drug Discovery, Development and Regulatory Affairs  
Congratulates the following Young Investigator Award Winners:**

***First Place***

**Rebecca A. Roof, Department of Pharmacology, University of Michigan**

***Second Place***

**Hantamalala Ralay Ranaivo, Center for Drug Discovery and Chemical Biology, Northwestern University**

***Third Place***

**Brian Giunta, Department of Psychiatry and Behavioral Medicine, University of South Florida College of Medicine**

The Division for Systems and Integrative Pharmacology Congratulates the following Best Poster Award Winners:

*First Place*

Ahmed El-Yazbi, University of Alberta (left)

*Second Place*

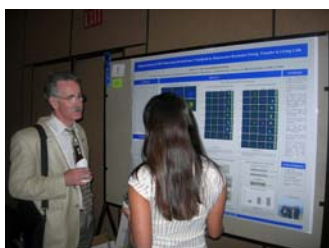
Sandeep Samudre, Eastern Virginia Medical School (middle)

*Third Place*

Shankar Munusamy, University of Arkansas (right)



Drug Metabolism and Toxicology Joint Mixer



The Division for Toxicology Congratulates the following award winners:

Postdoctoral Award Winner

Xiaochao Ma, Laboratory of Metabolism, NCI

The Effect of Pregnane X Receptor (PXR) - Mediated CYP3A Induction on Acetaminophen Hepatotoxicity

Best Abstract Awards

*First Place*

Matthew T. Labenski, Department of Pharmacology and Toxicology, University of Arizona  
Detection and Identification of In Vivo Chemical-Protein Adducts

*Second Place*

Patrick Shaw, Department of Pharmacology and Toxicology, Michigan State University  
Coexposure to Trovafloxacin and Lipopolysaccharide Causes Tumor Necrosis Factor Alpha-Dependent Liver Injury: A Mouse Model of Idiosyncratic Liver Injury

*Third Place*

Ashley A. Fisher, Department of Pharmacology and Toxicology, University of Arizona  
Cytochrome c Arylation by 1,4-Benzoquinone and its Quinol-Thioether Metabolites Results in a Loss of Protein Function

**Molecular Pharmacology Mixer**





## Neuropharmacology Mixer



The Neuropharmacology Division congratulates the following Award Winners:

### Postdoctoral Winners from Oral Competition

#### *First Prize*

**Dr. Lisa Hazelwood, NINDS/NIH**

**Reciprocal Modulation of Function Between the D1 and D2 Dopamine Receptors and the Na<sup>+</sup>/K<sup>+</sup>-ATPase, a Novel Member of the Dopamine Receptor Signalplex**



#### *Second Prize*

**Dr. David A. Karanian, University of Connecticut**

**Enhancement of Endogenous Cannabinoid Responses through FAAH Inhibition Provides Cellular and Functional Protection Against Excitotoxic Brain Damage**



*Third Prize*

**Dr. Hong-Mei Zhang, University of Texas**  
Distinct Roles of Spinal Muscarinic Receptor Subtypes in Control of  
Glycinergic Input Revealed by Muscarinic Receptor Knockout Mice



&

**Dr. Xue Jiang, University of Texas Medical Branch**  
Impaired HPA Axis and their Feedback Regulation in SERT Knockout  
Mice



**Predoctoral Winners from Poster Presentations**

*First Place*

**Melissa I. Torres-Altoro, Purdue University**  
Structural Verification of a Human Serotonin Transporter Homology Model

*Second Place*

**Marla L. Yates, Purdue University**  
A Role for the FAAH-Interacting Protein ERp57 in Endogenous Cannabinoid Signaling

*Third Place*

**Ekaterina A. Terebova, Purdue University**  
The Role of Lipid Rafts in the Biosynthesis and Recycling of Endogenous Cannabinoids



## Cardiovascular Pharmacology Division Call for Award Nominations

### **Paul M. Vanhoutte Distinguished Lectureship in Vascular Pharmacology**

The Paul M. Vanhoutte Award in Vascular Pharmacology was established to honor Dr. Vanhoutte's lifelong scientific contributions to our better understanding and appreciation of the importance of endothelial cells and vascular smooth muscle function in health and disease and his mentoring of countless prominent endothelial and vascular biologists and pharmacologists.



The Paul M. Vanhoutte Award is a biennial award, consisting an honorarium of \$1,000, a custom-designed plaque depicting the named Lectureship, and up to \$2,000 travel expenses including registration to the annual spring ASPET meeting. A recipient will be selected and invited to deliver a state-of-the-art lecture on recent advances in vascular biology and pharmacology at the spring ASPET meeting (Division's programming session). The presentation of his/her research should be of broad interest and contribute to the growth of the Cardiovascular Pharmacology Division.

There are no restrictions on institutional affiliation, nationality, or age of the candidate, but the recipient must be a member of ASPET. Nominations must be made by a member of ASPET, and no member may nominate more than one candidate per year. Final selection of the recipient will be made by the Award Committee of the Division for Cardiovascular Pharmacology.

Nominations should consist of not more than five letters from nominators describing the contributions to vascular biology and pharmacology of the candidate that make him/her eligible for this Award and listing of his/her major contributions, together with a complete curriculum vitae.

To ensure consideration, all information must be submitted electronically to the Executive Officer, American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995 no later than September 15, 2007.

## **Have you Joined a Division?**



**Take full advantage of ASPET Membership by joining a Division!!**

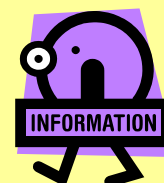
**You can participate in creating the scientific program for the annual meeting.**

**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.**

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





At this year's Experimental Biology meeting in Washington, D.C., we kicked off our Centennial Celebrations early by passing out Abel Number buttons and giving away free luggage tags, lapel pins, and 10 Decades of Pharmacology posters. We are pleased to announce that the excitement for the Centennial year is building among ASPET members. At EB 2007, ASPET's **Abel Number** project, led by David B. Bylund, was the "hot" topic of the meeting and even made news in the journal, *Nature*!

It was a great start to our 100<sup>th</sup> Anniversary Celebrations, but there is so much more to come. In 2008, we will continue to pass out Abel Number buttons, luggage tags, lapel pins and 10 Decades of Pharmacology posters. In addition, we are also planning more special giveaways, including a specially bound Centennial Publication Collection exclusively for ASPET members like yourself who attend the meeting.

We have planned Special Centennial Symposia, including a talk from ASPET's Nobel Laureates, that you won't want to miss. In addition, we have planned parties and networking opportunities.



### Free Giveaways Include:



**10 Decades of Pharmacology**



**ASPET Luggage Tags**



**ASPET Lapel Pin**

Also, at the 2008 EB meeting, we will be selling ASPET Centennial Ornaments, ASPET T-shirts, ASPET baseball caps, and ASPET water bottles. There will be special bundle prices for ASPET meeting attendees only.

**It's not too early to begin planning for ASPET's Centennial Celebration at Experimental Biology 2008, so please be sure to mark your calendars now to come celebrate ASPET and the discipline of pharmacology on April 5 –9, 2008 in San Diego!**

**WHAT'S AN ABEL NUMBER?**

The Abel Number Project was developed by ASPET member David B. Bylund. The project was designed to celebrate ASPET's Centennial by honoring the founder of the Society, John Jacob Abel (1857-1938). Not only the founder of the Society, John J. Abel was also the founder of the *Journal of Pharmacology and Experimental Therapeutics (JPET)* and is considered the Father of Pharmacology in the U.S.



**How the project works:** Taking on the idea of *Six Degrees of Separation*, John Jacob Abel has an Abel number of **0**. If you published with J.J. Abel, your Abel number would be **1**. If you published with someone who published with J.J. Abel, your Abel number would be **2**. And so on.

**What does this mean:** An Abel number is sort of a family tree showing your pharmacological genealogy. However, it also shows the impact that you can have on a scientific discipline and on future generations of scientists. John J. Abel published fewer than 100 papers in his career and only published with only 27 different individuals. Yet, those people published with 278 individuals, and those 278 published with 1190 individuals. So as you can see, it doesn't take long for your scientific legacy to spread far and wide. It is also important to remember that an Abel number isn't an indication of age. Many students at the recent meeting were surprised to find they had Abel numbers of 4. If you have published a paper in your field, chances are you have an Abel number lower than 8.

**How to get your number:** We currently have a list of almost 4,000 Abel Numbers. You can check out the list on the ASPET website at [www.aspet.org](http://www.aspet.org) to see if you are on it (the list is sorted alphabetically and by number). This list is by no means complete; if your name is not on the list and you recognize the name of someone you have published with, please send that reference to [David Bylund](mailto:David Bylund) so it can be included in our database, and when this table is updated online, your name and Abel number will be there! You can pick up your Abel Number button at EB '08 by coming to the ASPET booth or office.

\*\*\*\*\*

**\*\* Stay informed of ASPET Centennial News \*\***

**Centennial Events such as our Birthday Party, Student Mixer, and Opening Reception are still being planned.**

**To stay up-to-date, be sure to visit our website often:  
[http://www.aspet.org/public/Centennial/Centennial\\_home.htm](http://www.aspet.org/public/Centennial/Centennial_home.htm)**

## MEMBER NEWS

**T. Kendall Harden, PhD**, Professor at the University of North Carolina at Chapel Hill has won the Faculty Award for Excellence in Doctoral Mentoring. He was one of two winners from among all the University faculty nominated by 2006-2007 PhD Graduates. He was presented the award at the PhD Hooding Ceremony in May.

## SHARE YOUR NEWS WITH FELLOW ASPET MEMBERS

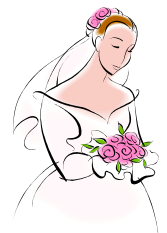
Send news and photos to [sthompson@aspet.org](mailto:sthompson@aspet.org)

## STAFF NEWS

**Cassandra Zaruba**, Editorial Assistant for the *Journal of Pharmacology and Experimental Therapeutics* and *Molecular Pharmacology* is getting married on July 14, 2007! To celebrate the upcoming wedding, ASPET staff threw a Bridal Shower for Cassie this month. Staff surprised the bride-to-be by inviting her mother, Carolyn, to join in on the festivities and enjoyed a generous spread for lunch. The menu included salmon, chicken, sushi, chips, and cake, not to mention lots of laughter and fun as we showered Cassie with bridal gifts.



**Congratulations Cassie!**  
**Best of luck on your wedding day!**



## ASPET WELCOMES THE FOLLOWING NEW MEMBERS:

### Regular Members

**Aksoy, Pinar**, Mayo Clinic, Dept of Anesthesiology  
**Artursson, Per**, Uppsala Univ, Dept of Pharmacy  
**Barrett, Randy Smith**, Vanderbilt Univ School of Medicine, Dept of Pharmacology  
**Braun, Derek**, Gallaudet Univ, Molecular Genetics Laboratory  
**Chen, Chi**, National Cancer Institute, Lab of Metabolism  
**Cherrington, Nathan J.**, Univ of Arizona College of Pharmacy, Dept of Pharmacology & Toxicology  
**Chillian, William**, Northeastern Ohio Univ College of Medicine, Dept of Physiology & Pharmacology  
**Conrads, Thomas P.**, Univ of Pittsburgh, Dept of Pharmacology  
**Day, Regina M.**, USUHS, Dept of Pharmacology  
**Gabra, Bichoy**, Virginia Commonwealth Univ, Dept Pharmacology & Toxicology  
**Gendelman, Howard E.**, Univ of Nebraska Medical Ctr, Dept Pharmacology & Experimental Neuroscience  
**Hanna-Mitchell, Ann T.**, Univ of Pittsburgh School of Medicine, Dept of Medicine  
**Hargreaves, Kenneth M.**, Univ of Texas-San Antonio Health Science Ctr, Dept of Endodontics  
**Hatefi, Arash**, Washington State Univ, Dept of Pharmaceutical Sciences  
**Hattori, Yuichi**, Univ of Toyama, Dept of Molecular & Medical Pharmacology  
**Jagggar, Jonathan H.**, Univ of Tennessee Health Science Center, Dept of Physiology  
**Khan, Seher A.**, Lake Erie College of Osteopathic Medicine, School of Pharmacy  
**Kwak, Mi-Kyoung**, Yeungnam Univ College of Pharmacy, Dept of Pharmacology  
**Lantz, Robert K.**, Rocky Mountain Instrumental Laboratories  
**Law, Brian**, Univ of Florida College of Medicine, Dept of Pharmacology & Therapeutics  
**Lee, Seok-Yong**, Sungkyunkwan Univ College of Pharmacy, Dept of Pharmacology  
**Li, Hu**, GlaxoSmithKline  
**Makishima, Makoto**, Nihon Univ School of Medicine, Dept of Biochemistry  
**Maulik, Nilanjana**, Univ Connecticut Medical Center, Dept of Surgery  
**Medhi, Bikash**, Postgraduate Institute of Medical Education and Research, Dept of Pharmacology  
**Namkung, Yoon**, NINDS/NIH, Dept of Molecular Neuropharmacology  
**Quik, Maryka**, The Parkinson's Institute  
**Raucy, Judy L.**, Puracyp Inc  
**Riley, Anthony L.**, American Univ, Dept of Psychology  
**Rosenkilde, Mette M.**, Copenhagen Univ the Panum Institute, Dept of Pharmacology  
**Salim, Samina**, Univ of Houston College of Pharmacy, Pharmacological & Pharmaceutical Science  
**Shenoy, Sudha K.**, Duke Univ Medical Center, Dept of Medicine  
**Simonsen, Ulf**, University of Aarhus, Dept of Pharmacology  
**Sligar, Stephen G.**, Univ of Illinois, Dept of Biochemistry  
**Sorenson, Eva M.**, George Washington Univ Medical Center, Dept of Pharmacology & Physiology  
**Stoyan, Tanja**, Univ of California-Santa Barbara, Molecular Cellular Developmental Biology  
**Vortherms, Timothy A.**, Abbott Labs  
**Ye, Richard D.**, Univ of Illinois College-Chicago, Dept of Pharmacology  
**Yin, Xing**, ERB/NIH, Section on Hormonal Regulation  
**Zhang, Donglu**, Bristol-Myers Squibb, Pharmaceutical Research Institute

### Affiliate Members

**Crosby, Steven J.**, Massachusetts College of Pharmacy and Health Sciences, Advanced Practice Mgmt

## NEW ASPET MEMBERS

### Graduate Student Members

**Bushell, Kristen**, Boston Univ Medical Center, Dept of Pharmacology  
**Canseco, Diana**, Texas Women's Univ, Dept of Biology  
**Che, Yi**, Univ of Missouri-Kansas City, Dept of Pharmacology  
**Chib, Manju**, Univ of Pittsburgh, Dept of Medicine  
**Desbiens, Sophie C.**, Boston Univ School of Medicine, Dept of Pharmacology  
**Eakins, Brian**, State Univ of New York-Buffalo, Dept of Psychology  
**Hart, Steven**, Univ of Kansas Medical Center, Dept of Pharmacology, Toxicology & Therapeutics  
**Hawkins, Edward Gregory**, Virginia Commonwealth Univ, Dept of Pharmacology & Toxicology  
**Hong, Shiyuan**, Case Western Reserve Univ, Dept of Physiology & Biophysics  
**Injeti, Elisha**, Loma Linda Univ School of Medicine, Dept of Physiology & Pharmacology  
**Kang, Kyu-Tae**, Medical College of Georgia, Vascular Biology Center  
**Khandelwal, Alok Radheyshyam**, Louisiana State Univ, Dept of Pharmacology, Toxicology & Neuroscience  
**Kohut, Stephen**, American Univ, Dept of Psychology  
**Messina, Michelina**, Florida State Univ, Dept of Neuroscience  
**Michno, Natasha**, Univ of Kansas, Dept of Medicinal Chemistry  
**Mittal, Amit Kumar**, Univ of Nebraska Medical Center, Dept of Genetics, Cell Biology & Anatomy  
**Reese, Edmund A.**, Oregon Health & Science Univ, Dept of Physiology & Pharmacology  
**Shahrokh, Kiumars**, Univ of Utah, Dept of Pharmacology & Toxicology  
**Skinbjerg, Mette**, NIH/NINDS  
**Van Der Westhuizen, Emma**, Dept of Pharmacology  
**Wilde, Kristen**, Purdue Univ, Dept of Interdisciplinary Life Sciences  
**Williams, Stacey**, Univ of Maryland School of Pharmacy, Dept of Pharmaceutical Sciences  
**Wing, Laura K.**, Northwestern Univ, Dept of Computational Biology  
**Yang, Gary Kaiyuan**, Univ of British Columbia, Dept Cellular & Physiological Sciences

### Undergraduate Student Members

**Adams, Jennifer**, Univ of Pittsburgh, Dept of Pharmacology  
**Chan, Alvin**, Univ of California-Berkley, Dept of Bioengineering  
**Fawcett, Patrick**, Penn State-University Park, Dept of Biology  
**Gonzalez, Janet**, Baylor Univ, Dept of Neuroscience  
**Henry, Christopher**, Univ of Pittsburgh, Dept of Pharmacology  
**Holt, Brian**, Univ of Pittsburgh, Dept of Pharmacology  
**Horne, Zachary**, Univ of Pittsburgh, Dept of Pharmacology  
**Hu, Yang**, Kent State Univ  
**Hutchens, Troy**, Univ of Pittsburgh, Dept of Pharmacology  
**Kim, Grace**, Univ of Pittsburgh, Dept of Pharmacology  
**Lee, Samantha**, Univ of Pittsburgh, Dept of Pharmacology  
**McCarren, Hilary**, Univ of Pittsburgh, Dept of Pharmacology  
**Musille, Paul**, Univ of Pittsburgh, Dept of Pharmacology  
**Paladin, Elizabeth**, Univ of Pittsburgh, Dept of Pharmacology  
**Patel, Neil**, Univ of Pittsburgh, Dept of Pharmacology  
**Schmidt, Nissa**, Univ of Northern Colorado, Dept of Biology  
**Stewart, Rachel**, Univ of Pittsburgh, Dept of Pharmacology  
**Tchao, Jason**, Univ of Pittsburgh, Dept of Pharmacology  
**Wickens, Christopher**, Univ of Pittsburgh, Dept of Pharmacology



*ASPET WOULD LIKE TO HONOR  
THE FOLLOWING MEMBERS:*

*Donald F. Bogdanski, PhD  
Harris Busch, MD, PhD  
Edward A. Carr, Jr., MD  
Joseph F. Gardockji, PhD  
Robert E. Gosselin, MD, PhD  
Murray E. Jarvik, MD, PhD  
James J. Kocsis, PhD  
Conan Kornetsky, PhD  
William H. Macmillan, PhD  
Solomon Margolin, PhD  
Steven E. Mayer, PhD  
J. Gordon Millichap, MD  
John F. O'Leary, PhD  
Roger W. Sevy, MD, PhD  
Albert Sjoerdsma, MD, PhD  
Thomas C. Smith, MD, PhD  
Henry H. Swain, MD  
Richard C. Ursillo, PhD  
Richard I.H. Wang, MD, PhD  
James L. Way, PhD  
John H. Weikel, PhD  
Peter N. Witt, MD*

*Thank you for your commitment to ASPET and the discipline of Pharmacology for  
the past FIFTY years!*

*ASPET notes with sympathy the passing of the following members:*

*Henry R. Besch, Jr.*

*John A. Bevan*

*Theodore M. Brody*

*Kenneth R. Cutroneo*

*Paul B. Hagen*

*Stephen Krop*

*John P. Long*

*Joe Marwah*

*Curt C. Porter*

*Bertis A. Westfall*

*David W. Yesair*

**Coming soon...**

**THE ANNUAL ASPET MEMBERS SURVEY**



*Watch your email for the upcoming survey. This is your chance to tell us how we are doing and what we can do to improve your membership experience in the American Society for Pharmacology and Experimental Therapeutics.*

# PLAN ON ATTENDING

The American Society for Pharmacology and Experimental Therapeutics

## Centennial Celebration at Experimental Biology 2008

### San Diego, CA, April 5 - 9



## FEATURING...

### SPECIAL CENTENNIAL SYMPOSIA:

#### **P450s: Structure, Function, In Silico Predictions**

*Spkrs: Anthony Lu, Paul Ortiz de Montellano, William Atkins, Eric Johnson, Lovisa Afzelius*

#### **Development of Inhibitors of the Soluble Epoxide Hydrolase as a Novel Treatment for Hypertension, Vascular Inflammation and End Organ Damage**

*Spkrs: Michael Arand, Heather Webb, Bruce Hammock, William Campbell, Darryle Zelden, John Imig*

#### **New Experimental Approaches to Treatment of Schizophrenia: Moving Beyond Monoamine Antagonists**

*Spkrs: Carol Tamminga, Darryl Schoepp, Jeffrey Conn, Craig Lindsley*

#### **The G-Whizards of GPCR/G-Protein Signaling**

*Spkrs: Alfred Gilman, Lee Limbird, Robert Lefkowitz, Heidi Hamm*

#### **Chance Favors the Prepared Mind: A Nobel Perspective**

*Spkrs: Alfred Gilman, Sir James Black, Louis Ignarro, Ferid Murad, Robert Furchgott*

#### **The Obesity Epidemic: Pharmacological Challenges**

*Spkrs: Matthias H. Tschoop, Francis P. Kuhajda, Stephen Bloom, Xavier Pi-Sunyer, David S. Weigle*

#### **Drug Discovery Paradigms: Past, Present, and Future**

#### **New Concepts in an Old System: Renin-Angiotensin System Blockade as Therapy for General Cardiovascular Disease**

#### **Pharmacotherapies for Drug Abuse: What We Have Learned from Cocaine**

#### **ABC Transporters: From Drug Resistance to Drug Response**

#### **Julius Axelrod Symposium:**

**Celebrating a Pioneer Pharmacologist and His Legacy: Creating New Drugs by Revealing Mechanisms of Drug Action in Fundamental Biological Processes**



### PARTIES:

#### **Opening Ceremony at EB 2008**

*featuring music, food, and excitement*

#### **ASPET Birthday Party**

*held at a special attraction in San Diego*

#### **ASPET Student Fiesta**

*featuring music, food, drinks, and dancing*

#### **Nobel Laureate Reception For Students & Post-Docs**

*honoring ASPET's Nobel Laureates*

### COMMEMORATIVE GIFTS:

**Ten Decades of Pharmacology Poster  
ASPET Centennial Publication Collection**

**ASPET Lapel Pins**

**Luggage Tags**

**T-shirts**

**Plus much more!**



KEEP UP-TO-DATE WITH CENTENNIAL NEWS  
VISIT US AT

[www.aspet.org](http://www.aspet.org)

### ASPET-Astellas Awards in Translational Pharmacology

Last year ASPET was fortunate to receive a grant from the Astellas Foundation to provide three awards of \$30,000 each to investigators working in the area of translational pharmacology. The response was excellent and awards were made at EB'07 to three outstanding investigators: P. Jeffrey Conn, Kathryn Cunningham, and Liewei Wang.

We are pleased to announce that ASPET has been invited once again to participate in the Astellas Award program. Once again this year ASPET will make three awards to individuals whose work extends fundamental research closer to applications directed towards improving human health. One change in the guidelines for this year is that the awards committee will judge awards in two categories- one for senior investigators and one for junior investigators, and at least one award will be made in each category. The deadline for submission of applications is September 15, and as was the case last year, everything must be submitted electronically. Guidelines for the award can be found on the ASPET web site ([www.aspet.org](http://www.aspet.org)) under Awards and Fellowships.

### Electronic Submission for All ASPET Awards

Because of the success of the electronic process for the ASPET-Astellas Awards last year, ASPET has moved to an entirely electronic nominations process for all of its awards. All letters of nomination, biographical sketches, CVs and bibliographies must be sent via email. For those awards that require actual publications, we will accept PDF files or links to the online article. All the nominations that have been carried over from a previous year are being scanned over the summer so that all nomination material can be sent electronically to the awards committees. This should not only speed up the processing of nominations, but also reduce postage costs significantly. Guidelines can be found on the ASPET web site ([www.aspet.org](http://www.aspet.org)) under Awards and Fellowships.

### John J. Abel Award Age Limit Raised

At its October meeting, the ASPET Council decided to raise the age limit for the John J. Abel Award to forty-two. The new guidelines read "Nominees for this award shall not have passed their **forty-second birthday on April 30** of the year of the Award."

### Julius Axelrod Symposium

This year ASPET gave the first Julius Axelrod Award after assuming responsibility for this award from the Catecholamine Club to Dr. Tong Joh. Dr. Joh gave the very excellent Julius Axelrod Lecture at this year's EB meeting. Next year for the Centennial meeting, in addition to the lecture, ASPET is planning the inaugural Julius Axelrod Symposium. Speakers at this symposium include former winners of the Axelrod Medal – Susan Amara, Richard Weinshilboum, Solomon Snyder and Marc Caron. In subsequent years the Julius Axelrod Symposium will be organized by the previous year's winner of the Axelrod award. This new addition to ASPET's scientific programming should make for an even more exciting EB than ever before.

## CALL FOR AWARD NOMINATIONS FOR 2008

### ASPET-ASTELLAS AWARD IN TRANSLATIONAL PHARMACOLOGY

The ASPET-Astellas Awards in Translational Pharmacology are intended 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. The awards are made possible by a grant to ASPET from the Astellas Foundation.

Three (3) awards of \$30,000 each will be made to individuals. The money may be used for supplemental research funding, travel, training, or in any way that furthers the goals described above.

There are no restrictions on nominees for this award. Any ASPET member in good standing may nominate an individual for this award. Selection of the recipients will be made by a committee appointed by the President of ASPET and comprised of current and former Council members and current Division Chairs. Awards will be judged in two categories, viz. junior and senior investigators, with at least one award given in each category. Self nominations will not be accepted. The nominations shall be judged on submitted information and take into account

1. The publication record of the applicant;
2. The quality and impact of the published research cited in support of the award nomination;
3. The potential of the proposed studies to advance clinical medicine through the introduction of novel pharmacological approaches to therapeutics;
4. The feasibility of the proposed research, given the size of the award ;
5. The applicant's current funding to support the proposed project.

Nominations shall be submitted **electronically** to [markin@aspet.org](mailto:markin@aspet.org) and shall consist of the following:

1. A two-page summary that details the importance of the candidate's work and how it meets the criteria of the award;
2. Two additional supporting letters (need not be from ASPET members)
3. Candidate's CV and bibliography;
4. A two-page statement from the candidate of his/her plans for moving his/her research toward clinical practice and how the award money would be used to further this goal;
5. Up to 5 articles published or submitted for publication (either PDFs or links to the articles may be submitted).

The receipt date for nominations for the ASPET-Astellas Awards will be **October 15, 2007** for awards to be presented at Experimental Biology '07 in Washington DC. Send nomination information to: [markin@aspet.org](mailto:markin@aspet.org).

#### Winners for 2007

Kathryn A. Cunningham, University of Texas Medical Branch  
P. Jeffrey Conn, Vanderbilt University  
Liewei Want, Mayo Clinic

### BERNARD B. BRODIE AWARD IN DRUG METABOLISM

The B. B. Brodie Award in Drug Metabolism has been established to honor the fundamental contributions of Bernard B. Brodie in the field of drug metabolism and disposition. The Award is presented biennially in even years to recognize outstanding original research contributions in drug metabolism and disposition, particularly those having a major impact on future research in the field. The B. B. Brodie Award is sponsored by the Division for Drug Metabolism, and funds to support the award come from members' contributions.

The award consists of a \$2,000 honorarium, a commemorative medal, and travel expenses to the award ceremony at the annual meeting. A lecture, delivered by the awardee at the annual meeting, describing appropriate research accomplishments and their future direction will be published in *Drug Metabolism and Disposition*.

There are no restrictions on institutional affiliation, and a candidate need not be a member of the Society. The only restriction for the Award is that supporting research accomplishments must not be used to win any other major award. Only one nominator is necessary, although more are acceptable, and the nominators need not be members of ASPET.

## CALL FOR AWARD NOMINATIONS FOR 2008

Selection of an awardee will be made biennially by the B.B. Brodie Award Committee, appointed by the President of ASPET with input from the Division for Drug Metabolism.

Nominations shall be submitted **electronically** to [markin@aspet.org](mailto:markin@aspet.org) and shall consist of the following:

1. Nominating letter and no more than five supporting letters detailing accomplishments of the nominee.
2. List of, and comments on, the outstanding papers.
3. Brief biographical sketch of the candidate.
4. Candidate's *curriculum vitae* and bibliography.

Nominations for this Award must be received no later than 5:00 pm on **September 15** of the year prior to the year in which the award is to be given.

### Bernard B. Brodie Award in Drug Metabolism

1978	James R. Gillette	1994	Paul R. Ortiz de Montellano
1980	Minor J. Coon	1996	Anthony Y.H. Lu
1982	Donald M. Jerina	1997	Ronald W. Estabrook
1984	Gilbert J. Mannering	1999	Marion W. Anders
1986	Daniel W. Nebert	2000	Bettie Sue Masters
1988	Wayne M. Levin	2002	Eric F. Johnson
1990	Daniel M. Ziegler	2004	Thomas L. Poulos
1992	F. Peter Guengerich	2006	Frank J. Gonzalez

## THE GOODMAN AND GILMAN AWARD IN DRUG RECEPTOR PHARMACOLOGY

The Louis S. Goodman and Alfred Gilman Award in Drug Receptor Pharmacology, contributed by GlaxoSmithKline, was established to recognize and stimulate outstanding research in pharmacology of biological receptors. Such research might provide a better understanding of the mechanisms of biological processes and potentially provide the basis for the discovery of drugs useful in the treatment of diseases.

The award is presented biennially in even years and consists of an honorarium of \$2,500, a plaque, and travel expenses for the winner and spouse to the award ceremony at the ASPET annual meeting.

There are no restrictions on the nominees for this award; however, nominations must be made by a member of ASPET. No member may nominate more than one candidate a year, and no candidate may be nominated for more than one major ASPET award in any given year. The award is to be made on the basis of the research contributions described in published work or submitted manuscripts and a summary of those contributions described in the letter of the individual who nominates the candidate. Selection will be made by the ASPET Awards Committee, appointed by the President of ASPET.

Nominations shall be submitted **electronically** to [markin@aspet.org](mailto:markin@aspet.org) and shall consist of the following:

1. Summary that details the importance of the candidate's work.
2. Six articles published or ready for publication that have direct bearing on the award (provided as PDFs or as hyperlinks to the article). **Submit each manuscript PDF as a separate attachment.**
3. Brief biographical sketch of the candidate.
4. Candidate's *curriculum vitae* and bibliography.

Nominations for this Award must be received no later than 5:00 pm on **September 15** of the year prior to the year in which the award is to be given.

### Goodman and Gilman Award in Drug Receptor Pharmacology

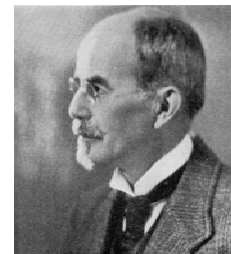
1980	Solomon H. Snyder	1994	Jean-Pierre Changeux
1982	Pedro Cuatrecasas	1996	Elliott M. Ross
1984	Robert F. Furchgott	1998	David Garbers
1986	Robert J. Lefkowitz	2000	Melanie H. Cobb
1988	Ronald M. Evans	2002	William B. Pratt
1990	Alfred G. Gilman	2004	Lee E. Limbird
1992	Paul Greengard	2006	Anthony R. Means



## CALL FOR AWARD NOMINATIONS FOR 2008

### JOHN J. ABEL AWARD

The John J. Abel Award in Pharmacology, named after the founder of ASPET and 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 **forty-second 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. No member may nominate more than one candidate a year and no candidate may be nominated for more than one major ASPET award in any given 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 submitted **electronically** to [markin@aspet.org](mailto:markin@aspet.org) and shall consist of the following:

1. Summary that describes the importance of the candidate's work.
2. Six published articles or manuscripts accepted for publication that are a representation of the candidate's work (provided as PDFs or as hyperlinks to the article). **Submit each manuscript PDF as a separate attachment.**
3. Brief biographical sketch of the candidate.
4. Candidate's *curriculum vitae* and bibliography.

Nominations for this Award must be received no later than 5:00 pm on **September 15**.

#### John J. Abel Award in Pharmacology

1947	George Sayers	1962	John P. Long	1977	Jerry R. Mitchell	1992	Frank J. Gonzalez
1948	J. Garrott Allen	1963	Steven E. Mayer	1978	Robert J. Lefkowitz	1993	Susan G. Amara
1949	Mark Nickerson	1964	James R. Fouts	1979	Joseph T. Coyle	1994	Brian Kobilka
1950	George B. Koelle	1965	Eugene Braunwald	1980	Salvatore J. Enna	1995	Thomas M. Michel
1951	Walter F. Riker, Jr.	1966	Lewis S. Schanker	1981	Sydney D. Nelson	1996	John D. Scott
1952	David F. Marsh	1967	Frank S. LaBella	1982	Theodore A. Slotkin	1997	David J. Mangelsdorf
1953	Herbert L. Borison	1968	Richard J. Wurtman	1983	Richard J. Miller	1998	Masashi Yanigasawa
1954	Eva K. Killam	1969	Ronald Kuntzman	1984	F. Peter Guengerich	1999	Donald P. McDonnell
1955	Theodore M. Brody	1970	Solomon H. Snyder	1985	P. Michael Conn	2000	William C. Sessa
1956	Fred W. Schueler	1971	Thomas R. Tephly	1986	Gordon M. Ringold	2002	Steven A. Kliewer
1957	Dixon M. Woodbury	1972	Pedro Cuatrecasas	1987	Lee E. Limbird	2003	David S. Bredt
1958	H. George Mandel	1973	Colin F. Chignell	1988	Robert R. Ruffolo, Jr.	2004	David P. Siderovski
1959	Parkhurst A. Shore	1974	Philip Needleman	1989	Kenneth P. Minneman	2005	Randy Hall
1960	Jack L. Strominger	1975	Alfred G. Gilman	1990	Alan R. Saltiel	2006	Christopher M. Counter
1961	Don W. Esplin	1976	Alan P. Poland	1991	Terry D. Reisine	2007	Michael D. Ehlers

### 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

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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. No member may nominate more than one candidate in a year and no candidate may be nominated for more than one major ASPET award in any given 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 submitted **electronically** to [markin@aspet.org](mailto:markin@aspet.org) and shall consist 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.

Receipt date for nominations for the Julius Axelrod Award will be 5:00 pm on **September 15, 2007** for an award to be presented at Experimental Biology '08 in San Diego, CA.

### Julius Axelrod Awards

1991	Ullrich Tredenlenberg	2001	Toshi Nagatsu
1992	Arvid Carlsson	2002	Salomon Langer
1993	Norman Weiner	2003	Richard Weinshilboum
1994	Robert Furchgott	2004	Richard Palmiter
1995	Irwin Kopin	2005	Marc Caron
1998	Sidney Spector	2006	Susan Amara
1999	Solomon Snyder		<b>Taken over by ASPET</b>
2000	Erminio Costa	2007	Tong H. Joh

## P.B. DEWS AWARD FOR RESEARCH IN BEHAVIORAL PHARMACOLOGY

ASPET's Division of Behavioral Pharmacology sponsors the P. B. Dews Award for Research in Behavioral Pharmacology to recognize outstanding lifetime achievements in research, teaching and professional service in the field of Behavioral Pharmacology and to honor Peter Dews for his seminal contributions to the development of behavioral pharmacology as a discipline. The biennial award is supported by an endowment made possible by contributions from Aventis, Centre de Recherche Pierre Fabre, Eli Lilly, Harvard University, International Life Sciences Institute Caffeine Committee, Merck (San Diego), Pepsi Cola Company, Pfizer Central Research and Pfizer Global Research and Development, Pharmacia, Wyeth Research, and ASPET members.

The Award consists of \$750, a plaque, and partial travel expenses to the award ceremony at the ASPET annual meeting. The recipient will be invited by the Chair of the Division of Behavioral Pharmacology to deliver a special lecture on this occasion. The lecture will be published subsequently in an appropriate ASPET-sponsored publication

There are no restrictions on nominees for this award. Nominations may be made by members of ASPET or of any relevant scientific society. Selection will be made by the P.B. Dews Award Committee, appointed by the President of ASPET with input from the Division for Behavioral Pharmacology.

Nominations shall be submitted **electronically** to [markin@aspet.org](mailto:markin@aspet.org) and shall consist of the following:

1. Description of the candidate's major contributions, including scientific, teaching and professional achievements.
2. Candidate's *curriculum vitae* and bibliography.
3. List of the candidate's trainees.
4. Five major publications (provided as PDFs or as hyperlinks to the article). **Submit each manuscript PDF as a separate attachment.**
5. Brief biographical sketch of the candidate.



## CALL FOR AWARD NOMINATIONS FOR 2008

Nominations for this Award must be received no later than 5:00 pm on **September 15** of the year prior to the year in which the award is to be given.

### P.B. Dews Award

2002	William H. Morse
2004	Joseph V. Brady
2006	Leonard Cook

## 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 (now Pfizer).

The winner will receive a \$2,500 honorarium, a plaque, 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 ASPET Awards Committee, appointed by the President of ASPET.

Nominations shall be submitted **electronically** to [markin@aspet.org](mailto:markin@aspet.org) and shall consist of the following:

1. Two-page summary that details the importance of the candidate's work.
2. Six articles published or ready for publication by the candidate that have direct bearing on the Award (provided as PDFs or as hyperlinks to the article). **Submit each manuscript PDF as a separate attachment.**
3. Brief biographical sketch of the candidate.
4. Candidate's *curriculum vitae* and bibliography.

Nominations for this Award must be received no later than 5:00 pm on **September 15**.

### ASPET Award for Experimental Therapeutics

1969	John A. Oates	1990	Albert Sjoerdsma
1970	Joseph R. Bertino	1991	Theophile Godfraind
1971	Elliot S. Vesell	1992	James W. Fisher
1972	Francois M. Abboud	1993	V. Craig Jordan
1973	Dean T. Mason	1994	Susan Band Horwitz
1974	Leon I. Goldberg	1995	Henry I. Yamamura
1975	Mackenzie Walser	1996	Robert F. Furchgott
1976	Louis Lasagna	1997	Michael M. Gottesman
1977	Allan H. Conney	1998	Phil Skolnick
1978	Attallah Kappas	1999	Yung-Chi Cheng
1979	Sydney Spector	2000	Saloman Z. Langer
1980	Sanford M. Rosenthal	2001	George R. Breese
1981	David G. Shand	<b>Became Pharmacia-ASPET Award in Experimental Therapeutics</b>	
1982	William H. Prusoff	2002	Darryle D. Schoepp
1983	Marcus M. Reidenberg	2003	William C. DeGroat
1984	Sir James Black	2004	Philip Needleman
1985	Louis Lemberger	2005	Donald P. McDonnell
1986	Alan C. Sartorelli	2006	John C. Lee
1987	Albrecht Fleckenstein	2007	P. Jeffrey Conn
1988	Jean-Francois Borel		
1989	Benedict R. Lucchesi		



## CALL FOR AWARD NOMINATIONS FOR 2008

### ASPET-INTEGRATIVE ORGAN SYSTEMS SCIENCES (IOSS) FUND

*Supported by  
Abbott Laboratories  
Merck Research Laboratories  
Pfizer  
Wyeth Research*

The ASPET-IOSS Fund was created to provide support for graduate students and post-doctoral researchers seeking training in integrative, whole organ systems sciences. The ASPET-IOSS Fund will help augment developing programs that provide training of students in integrative, whole organ systems sciences. The ASPET-IOSS Fund hopes to contribute to developing infrastructure to sustain and expand training in this critical area of research.

Applications will be reviewed upon receipt and awarded by an ad-hoc committee, appointed by ASPET Council. Applications will be accepted on a continuous basis.

ASPET-IOSS Awards are available for:

1. Supporting graduate students who participate in an industry sponsored internship that furthers the students training and exposure to integrative, whole organ biology. Award not to exceed \$2,000.
2. Partial support for independent meetings and workshops dedicated to advancing training and research in this discipline; educating public or policy makers of the need to support such activity; or providing a forum for academic and industry leaders that might help reinvigorate the field. Award not to exceed \$2,000.

Criteria for additional awards will be considered by the ASPET-IOSS Fund ad-hoc review committee subject to approval by ASPET Council. Awards will not be made for any ASPET or other professional society Annual Meeting or related activity. Awards contingent upon individual becoming a member of ASPET.

Application information needed from graduate students and post-doctoral researchers:

1. Cover letter from applicant (provide all contact information) outlining the internship host and host site, mentor/lab chief name (provide all contact information), duration of internship, and graduate student advisor/mentor (provide all contact information). Mentor/lab chief/graduate student advisor may be contacted by ASPET-IOSS Fund to provide additional information.
2. Brief (no more than one page) summary/abstract of goals of internship, how it meets your current research/professional interests and how it may substantially increase your development as an integrative scientist.
3. Curriculum Vitae

Application information needed from organizers of meetings:

1. Cover letter from organizer outlining topic, dates, expected audience and attendance and goals of meeting or conference.
2. Provide as supporting material any brochures, agenda, list of current sponsors, speakers, etc.

**Applications should be emailed as Word or PDF to: [jbernstein@aspet.org](mailto:jbernstein@aspet.org)**

**Jim Bernstein  
Director, Government & Public Affairs  
ASPET  
9650 Rockville Pike  
Bethesda, MD 20814  
Tel: 301-634-7062**

## 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 \$140/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 (rphipps@aspet.org).**

### Regular Member Benefits (Dues \$140):

- 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
- 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 \$30 annual dues 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.

### 2007 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) - \$96/year
- *Molecular Pharmacology* (Monthly) - \$131/year
- *Molecular Interventions* (Bimonthly) – included with dues

### APPLICATION INSTRUCTIONS

Submit the completed Application for Membership form or use the online application form on the ASPET web site at <http://www.aspet.org/public/membership/membership.html>. Submit a current *curriculum vitae* including bibliography for Regular and Affiliate Membership. You may e-mail the CV to the ASPET Membership Coordinator, Robert Phipps, [rphipps@aspet.org](mailto:rphipps@aspet.org).

**Sponsor Statements:** Submit a statement(s) of qualifications of the applicant from two Regular/Retired Members of ASPET for Regular Membership or 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.**



## Membership Application – TP607

**Application for:**

- Regular Membership
- Affiliate Membership
- Graduate Student – Expected Date of Graduation: \_\_\_\_\_
- Undergraduate Student - Year:  Fr  Soph  Jr  Sr

**HOW DID YOU HEAR ABOUT ASPET?**

- Referred by a Mentor/Colleague
- Received ASPET Information by mail or email
- Internet (ASPET website)
- ASPET Journals
- EB/ASPET Annual Meeting
- Other:

**Personal Information:** *Please complete this section – type if possible*

Name and Address: \_\_\_\_\_ Telephone: \_\_\_\_\_  
 \_\_\_\_\_ Fax: \_\_\_\_\_  
 \_\_\_\_\_ E-mail: \_\_\_\_\_  
 \_\_\_\_\_ Date of Birth (optional): \_\_\_\_\_

**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 email of two sponsors:** *(one sponsor for student and affiliate membership)*

**Divisions:** *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 pick a division!*

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

- |   |  |
|---|--|
| <input type="checkbox"/> Division for Behavioral Pharmacology   | <input type="checkbox"/> Division for Drug Metabolism                    |
| <input type="checkbox"/> Division for Cardiovascular Pharmacology                                       | <input type="checkbox"/> Division for Molecular Pharmacology             |
| <input type="checkbox"/> Division for Clinical Pharmacology, Pharmacogenomics, & Translational Medicine | <input type="checkbox"/> Division for Neuropharmacology                  |
| <input type="checkbox"/> Division for Drug Discovery, Development & Regulatory Affairs                  | <input type="checkbox"/> Division for Pharmacology Education             |
|   | <input type="checkbox"/> Division for Systems & Integrative Pharmacology |
|   | <input type="checkbox"/> Division for Toxicology                         |

**Paperwork Summary:**

- Application Form (complete all sections)
- 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](mailto:rhipps@aspnet.org)).
- Curriculum Vitae (include bibliography) for Regular and Affiliate membership

Applications are reviewed on a rolling basis. Please **DO NOT** send payment with your application. Upon membership approval, you will be sent a dues statement and welcome package.

Call or e-mail the ASPET Membership Department for additional information: 301-634-7135 / [rhipps@aspnet.org](mailto:rhipps@aspnet.org).  
 You may apply online at <http://www.aspet.org/public/membership/membership.html>