P. Jeffrey Conn, of Vanderbilt University, named new Editor of Molecular Pharmacology

Eric F. Johnson, of Scripps Research Institute, named new Editor of Drug Metabolism and Disposition
The PHARMACOLOGIST

News

- Election 2006 ........................................ page 135
- Long Range Planning Committee Report .......... page 137
- Hurricane Katrina Update ............................ page 140
- ASPET at ABRCMS and SACNAS ................. page 141
- EB '06 Program Grid ................................ page 144

Features

- Journals .............................................. page 146
- Public Affairs & Government Relations .......... page 148
- Division News
  - Clinical Pharmacology & Translational Medicine page 149
  - Drug Metabolism ................................ page 149
  - Neuropsychology ................................ page 150
- Contributors for 2005 ................................ page 153
- New ASPET Members ................................ page 156
- Death Notices ...................................... page 159
- Obituary – Arthur A. Hancock ....................... page 160
- Chapter News
  - New England Pharmacology Society Meeting .... page 162
- IUPHAR 2006 ........................................ page 163
- IUPHAR 2006 Scientific Program .................... page 164
- Membership Information & Application .......... page 166

Announcements

- Late-Breaking Abstracts for EB’06 .................... page 143
- Catecholamine Club Dinner at EB’06 ............... page 152
- Symposium in Honor of Arthur Hancock ............ page 161
- 15th World Congress of Pharmacology .............. page 163

Prices for the member subscriptions to the print version of The Pharmacologist will go 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.

Nonmembers and Institutional subscriptions will increase to $45 ($65 outside the U.S.)
ASPET Election Now Open

The ASPET election for President-Elect, Secretary/Treasurer-Elect, and a Councilor is now open. All Regular and Retired members are eligible to vote. In addition, the following Divisions are holding elections: Behavioral Pharmacology; Cardiovascular Pharmacology; Drug Discovery, Drug Development & Regulatory Affairs; Drug Metabolism; Molecular Pharmacology; Neuropharmacology; Pharmacology Education; and Toxicology. Those of you with email will receive an email when the election opens and will be given the link to use to access the Members Only section of the ASPET web site. Your eligible to vote. If you do not have email, you will be with a paper ballot and return envelope. You MUST name in order for your ballot to be counted. The listed on the address label on your election packet.

There are two ways to view the nominee’s biographical sketches online. The full election bulletin will be posted in PDF format on the web site. You can also click on the name of the nominee on the ballot, and the biographical sketch will appear in a pop-up window.

As required by the bylaws, the election site on the web will be open for a minimum of thirty days from the day of notification. Voting is easy. Just click on the radio button next to the name of the candidate for whom you are voting. When you are finished and have reviewed your choices, click the SUBMIT button.

Nominees for ASPET Office

Candidates for President-Elect

Kenneth P. Minneman
Kim A. Neve

Candidates for Secretary/Treasurer-Elect

Jerry J. Buccafusco
Annette E. Fleckenstein

Candidates for Councilor

Terrence J. Monks
Benjamin R. Yerxa
### ELECTION 2006

#### Candidates for Division Office

**Division for Behavioral Pharmacology**
- **Nominees for Chair-Elect**
  - Charles P. France
  - Galen R. Wenger
- **Nominees for Secretary/Treasurer-Elect**
  - Leonard L. Howell
  - Wouter Koek

**Division for Cardiovascular Pharmacology**
- **Nominees for Chair-Elect**
  - Debra I. Diz
  - Richard H. Kennedy
- **Nominees for Secretary/Treasurer-Elect**
  - John C. Kermode
  - Kafait U. Malik
  - Emel Songu-Mize

**Division for Drug Discovery, Drug Development & Regulatory Affairs**
- **Nominees for Chair-Elect**
  - Gary D. Novack
  - Christopher R. Toombs
- **Nominee for Secretary/Treasurer-Elect**
  - Richard Alper

**Division for Drug Metabolism**
- **Nominees for Chair-Elect**
  - Thomas A. Kocarek
  - Kenneth E. Thummel
- **Nominees for Secretary/Treasurer-Elect**
  - John Y.L. Chang
  - Emily E. Scott

**Division for Molecular Pharmacology**
- **Nominees for Chair-Elect**
  - Alan V. Smrcka
  - Robert H. Tukey
- **Nominees for Secretary/Treasurer-Elect**
  - Theresa M. Filtz
  - Tatyana Voyno-Yasenetskaya

**Division for Neuropharmacology**
- **Nominees for Chair-Elect**
  - P. Jeffrey Conn
  - L. Charles Murrin
- **Nominees for Secretary/Treasurer-Elect**
  - Margarita L. Dubocovich
  - Kelly M. Standifer

**Division for Pharmacology Education**
- **Nominee for Secretary/Treasurer-Elect**
  - Jack W. Strandhoy

**Division for Toxicology**
- **Nominees for Chair-Elect**
  - Hartmut W. Jaeschke
  - Curtis J. Omiecinski
- **Nominees for Secretary/Treasurer-Elect**
  - Lawrence R. Curtis
  - Peter J. Harvison

---

No elections this year for the Division for Clinical Pharmacology & Translational Medicine or the Division for Systems & Integrative Pharmacology
ASPET Long Range Planning Committee Retreat Addresses Committee Structure and Function

ASPET’s Long Range Planning Committee held a retreat on October 27-28, 2005, to discuss the roles and structures of the Society’s committees. In addition to members of ASPET Council, the chairs of the committees on Women in Pharmacology (Laura Nisenbaum), Graduate Recruitment and Education (Stephanie Watts), Minorities (Gonzalo Torres) and Public Affairs (Gerald Schaefer) were also participants. The following report summarizes the outcome of that retreat.

GENERAL DISCUSSION & ACTIONS

- The Committee on Committees will continue to appoint Committee chairs. The Committee chairs will be responsible for recruiting replacement members for their committees and notifying the Committee on Committees of their actions.
- There will be one single award committee for the Goodman and Gilman Award, the J. J. Abel Award, the Pharmacia-ASPET Award, and the Torald Sollmann Award comprised of sufficient members to enable adequate coverage of the topics under review.
- Council will look into the financial feasibility of having at least one additional face-to-face committee meeting for the Public Affairs, Women in Pharmacology, Minorities, and Graduate Recruitment and Education Committees, beginning in 2006.
- Insofar as possible, the ASPET representatives to FASEB committees should be drawn from the corresponding Society committee.
- Secretary/Treasure (Past, Current, Elect) will review the IUPHAR Travel Award Applications.

PUBLIC AFFAIRS COMMITTEE

Mission/Charge: The charge to the Committee on Public Affairs is to: Identify, or respond to, issues of interest to the ASPET membership and propose policy statements for consideration by the Board and membership; Develop ways to increase ASPET’s visibility in the public policy and public information arena; and Develop opportunities for ASPET members to become more involved in public affairs advocacy.

No changes were made to Committee charge

- Affirm the committee will respond, as a priority, to public affairs issues that are of unique interest to ASPET members. Priority given to those pharmacology related issues that the society might be able to favorably impact.
- Affirm that the committee will follow and monitor a broad range of issues that impact the larger biomedical research community to include NIH appropriations and related budget issues, and other ad hoc policy issues that develop.

Goals: Need to raise Public Affairs Committee profile with ASPET rank and file membership

- Committee will be more proactive in using ASPET email notices to membership on specific legislative issues of interest to broader biomedical research community. It was felt that ASPET alerts on these issues would help raise the society public affairs profile and that ASPET alerts would be sent in a more time sensitive manner than waiting for the FASEB alert to society members. (Examples: Class B Dealers, NIH appropriations)
- ASPET public affairs presentation to the Association of Medical School Pharmacology Chairs (AMSPC) should be encouraged and a closer working arrangement could be considered.
- To help increase awareness among students, the committee will continue to hold workshops and symposia relevant to public affairs issue that are of interest to the student membership. (Example: Workshop on jobs in industry for scientists with integrative training)
- Reappointment of dedicated committee members to successive 3-year terms should be considered the norm and not the exception.
- Consider AMSPC as a source for potential public affairs committee assignment.

Benchmarks: Maintain current activities

- Continue organizing and cosponsoring workshops and symposia at EB as in preceding years.
- Continue outreach to other professional societies such as SOT and ASCPT on areas of mutual interest. (Example: Cosponsorship with SOT/ASCPT of a 1/05 Congressional briefing on dietary supplements)
LONG RANGE PLANNING COMMITTEE

- Continue ad hoc relationships with other FASEB and non-FASEB societies as needed.

The Public Affairs Committee breakout group also offered as information items for potential consideration of Council:

- An EB 2007 Symposium on How Researchers Can Be Deposed. The title is a work in progress. The agenda would include but not be limited to animal rights issues, pharmacology law, and issues involving litigation (i.e., Vioxx depositions). Bryan Cox agreed to consider offering a more thorough outline and proposal for Council’s consideration.
- Consider the potential for developing comprehensive plans for saving laboratory animals in the event of natural or other disasters. Potential interested parties include AAALAC and NIH.

General conclusion of the committee was that it was working fairly well and provided important oversight and guidance to staff.

COMMITTEE ON WOMEN IN PHARMACOLOGY

Mission: The mission of the Women in Pharmacology Committee is to further the success of women in pharmacology and to promote awareness of pharmacology in women’s health.

Goals and Objectives:

- To identify and elucidate the stages of career development and provide women with tools to succeed.
  - Workshops
  - Web site (links to AWIS, WIN, list and pictures of Women Department Chairs)
  - Networking (WIP into Shape Walk, Social Mixer, Special Events)
  - Mentorship – Education of Senior Members to elicit potential mentors at Social Mixer
- To increase the visibility of women in pharmacology.
  - Identify women as potential leaders and keep them motivated
  - Submit female nominees for ASPET Awards
- To disseminate information on issues related to pharmacology in women’s health
  - Web Site (links to health-related sites)
  - Scientific symposia

 Benchmarks:
- Annual workshops
- Biennial scientific symposia
- Create WIP page on ASPET Web site
- Small meeting on Pharmacology and Women’s Health

COMMITTEE ON MINORITIES

Mission: To develop strategies to attract minority students into science in general and pharmacology in particular and work with ASPET membership to address issues of relevance to recruitment, retention and advancement of minorities in science and pharmacology.

Metrics: How to measure impact and effectiveness?
Collect information on underrepresented minorities – Get baseline
Questionnaire to all ASPET members
1. Place of employment – academia, industry, other
2. Rank – faculty, postdoc, scientist, manager
3. How long in current job
4. Age
5. Gender
6. Ethnic background: Give options
7. Length of ASPET membership
8. Willing to be a mentor to a minority?
Reassess every 5 years.
LONG RANGE PLANNING COMMITTEE

**Strategies:** Seek ways of developing partnership between ASPET and Minority institutions.

Recognize that there are barriers to minority advancement in all spheres – not just recruitment, but in promotion, funding, etc. – Need to focus on manageable issues to start but recognize this is a continuing process.

- Pilot program
  - Identify target schools
  - Identify and highlight Minorities in Pharmacology
  - Recruit mentors and “mentees” to attend ASPET meeting
    1) Work with identified faculty
    2) Work with regional chapters
- Need to involve Minority Committee members to help draft charge to committee.
- Examine ways to expand function of SACNAS – greater presence - interface with attendees – coordinate with Program Committee.
- Awards – ASK AMSPC Department chairs to nominate minority members for awards.
- Career development symposia sponsored by committee.
- Chair of Minority Committee to talk to other Societies to try to coordinate topics at annual meeting.
- Charge to committee to identify minority and underrepresented members conducting research.
- President’s newsletter – minorities and women.
- FASEB MARC Program – “Grass” traveling fellowship (ASPET Member) to go to identified schools for lectureship.
- Identify Minority ASPET Members that have made significant contributions and recognize them in some way to help as role models and contacts.
- Graduate students and young investigators minority travel awards. Provide awardees with a mentorship contact (one on one) during the annual meeting.

GRADUATE RECRUITMENT & EDUCATION COMMITTEE

- **Must** get input from whole committee
  - draft document, follow with assignments & conference calls
- Committee Approved document to Council, March ‘06
- Document critiqued/discussed at EB 2006, revise as necessary.
- Flush out document into a Committee Strategic Plan

**Mission:** To facilitate the recruitment, training and career success of students choosing graduate pharmacology.

**Simpler Mission:** To facilitate the recruitment, training and career success of students choosing graduate pharmacology.

**Goal 1 – Recruitment**

- Create/assemble a tool kit for departments to use to reach their undergraduates.
  - Flyer of successful SURF students
  - PowerPoint presentation based on Explore Pharmacology
  - Ask: How are they doing this now?
- Continue to support/review SURF
- Survey Graduate Directors as to presence of undergraduate pharmacology courses/programs/research opportunities
- Ask: What would help the tool kit?
- Talk to our current students

**Goal 2 – Current Graduate Education in Pharmacology**

- Continue to support ($ and effort) Graduate Directors’ meeting
- Disseminate/update information of all kinds back out to Graduate Directors.
LONG RANGE PLANNING COMMITTEE

- At the same time, ask:
  - what courses/programs/degrees (e.g. professional MS) exist at your institution; how is pharmacology represented?
  - what would be helpful
- Keep/recover/foster pharmacology to have a place in umbrella/joint biomedical training (controversy)

Goal 3 – Success in the Future
- Support/Assemble Graduate Colloquium. Topics should be truly relevant & helpful; Survey graduate students to ask
  - What do you want to hear?
  - What worries you?
  - What aren’t you learning?
- Highlight the ability of a career in pharmacology to provide diverse opportunities in life
  - More success story vignettes?
  - Student toolbox for success (e.g survival skills/ethics, Zigmond program at Pitt)

Committee Structure:
Must be composed of those that can help fulfill goals
- New student members
- Industrial representative
- Government representative
- Nontraditional representative
- Incorporate more Graduate Directors as turnover occurs

Benchmarks: Committee will set self-imposed deadlines for itself. Need to police actively.

Hurricane Katrina Update
ASPET Council approved several initiatives to assist members who were impacted by Hurricane Katrina and established a Hurricane Katrina Relief Fund to facilitate them. The initiatives included setting up a grant program for ASPET student members to provide $2000 per person as an unrestricted award to affected student members to help them re-establish their lives. To date, ASPET has made seven such awards to students affected by Hurricane Katrina. In addition, ASPET has agreed to pay the abstract submission fees and meeting registration to Experimental Biology ’06 in San Francisco for its member scientists affected by Hurricane Katrina. Finally, dues for 2006 will be waived for those members in New Orleans and other Gulf Coast areas impacted by Hurricane Katrina. The total estimated cost of these initiatives is $30,000, and Council was prepared to fund them entirely out of the Society’s operating budget at the expense of other programs, if necessary. ASPET members, however, have been extremely generous in their donations and to date have contributed $14,000. This includes a very significant contribution from GlaxoSmithKline.

ASPET did other things to try to help members affected by Hurricane Katrina, including posting information about laboratory resources available to scientists whose labs were lost. Over 92 ASPET members responded, offering laboratory or office space, mentoring and even housing. The ASPET Journals office has also held print subscription journals for those areas where mail delivery was a problem or where the libraries have not yet been re-established. These will be sent out to the subscribers as we find out about new addresses and contacts.

While the devastation of Hurricane Katrina has passed for most of us, it is still very real to those scientists who lost their labs and their homes. Many students who applied for grants indicated that they had been set back by at least a year in terms of getting their degrees. There is still much that can be done to help. ASPET has an online form for you to contribute to the Hurricane Katrina Relief Fund. You can access this form at http://www.aspet.org/public/Katrina/Katrina_home.htm.
COMMITTEE ON MINORITIES

SACNAS and ABRCMS Meetings Provide Opportunity for Members of Committee on Minorities to Educate Undergraduates about Pharmacology

ASPET’s Committee on Minorities sent representatives to the two largest minority student meetings to educate the undergraduate attendees about career opportunities in pharmacology and about the ASPET Summer Undergraduate Research Fellowships. The Society for the Advancement of Native Americans in Science (SACNAS) meeting was held October 30 – November 1 in Denver. The Annual Biomedical Research Conference for Minority Students (ABRCMS) was held November 3-6 in Atlanta. Dr. Gonzalo Torres, Chair of the Committee on Minorities, attended the SACNAS meeting. Dr. Manuel Miranda, a postdoctoral fellow in the Department of Pharmacology at the University of Colorado Health Science Center, and Mr. Anthony Oliva, an MD/PhD student at the University of Colorado Health Science Center, assisted at the booth in talking to interested students and faculty.

Gonzalo Torres, Chair of ASPET’s Committee on Minorities, is flanked by Anthony Oliva (left) and Manuel Miranda (right) at the ASPET booth in Denver.

Rachel Galimidi, a summer student with Dr. Margarita Dubocovich, explains her poster to Dr. Gonzalo Torres at the SACNAS meeting.

Students view posters and visit booths during SACNAS meeting exhibit hours.

Tony Oliva and Manuel Miranda talk with an interested student.
Dr. Catherine Opere, from Creighton University School of Pharmacy and a member of the ASPET Committee on Minorities, attended the Annual Biomedical Research Conference for Minority Students in Atlanta. She was assisted in the booth by Shala Thomas, a graduate student with Dr. Haian Fu, from Emory University’s Department of Pharmacology. Dr. Opere also presented ASPET Best Poster Awards to Khadijatou Mjimoluh, a sophomore from the University of Maryland, Baltimore County, for his poster entitled “Examining Drug Interactions with the N-Terminal Domain of the HIV-1 Capsid Protein” and to Rachel Sang, a senior from Minnesota State University in Moorhead, for her poster entitled “Phospholipase D Activity is Required for Alpha 1-Adrenergic Activation of Erk, Stress Fiber Formation, and Cell Migration in CCL39 Fibroblasts.”

Shala Thomas, a graduate student in pharmacology with Dr. Haian Fu at Emory University, talks to ABRCMS attendees about opportunities in pharmacology.

Catherine Opere talks with a student at the ASPET booth.

Josefa Coronel, an undergraduate student member of ASPET from California State University, Hayward, describes her research at the ABRCMS meeting.
EXPERIMENTAL BIOLOGY:
April 1–5, 2006
Moscone Convention Center,
San Francisco, CA

CALL FOR LATE-BREAKING
ABSTRACTS
Deadline for Submission:
Wednesday, February 8, 2006
www.eb2006.org

Late-breaking abstracts will be accepted for poster sessions to be scheduled on
Wednesday, April 5, 2006. Late-breaking abstracts will be published in an addendum
to the meeting program. The addendum will be distributed at the meeting. Late-
breaking abstracts will NOT be published in The FASEB Journal and are not citable.

Abstracts must be submitted at www.eb2006.org with payment of $90. Payment
and abstracts must be submitted on or before Wednesday, February 8, 2006. The
submission site will open the week of Monday, December 5, 2005.

Late Breaking Abstract Submission Site
www.eb2006.org
Abstract Submission Fee: $90
Experimental Biology Meeting Office
Phone: (301) 634-7010
Fax: (301) 634-7014
Email: eb@faseb.org

For information about the meeting, including each Society’s preliminary
program, housing, and registration forms go to www.eb2006.org.

Save Money! Register online by February 3 and make your
housing reservations by February 24.
## ASPET PROGRAM FOR EXPERIMENTAL BIOLOGY 2006 – SAN FRANCISCO, CA

(All rooms listed are in the North & South Moscone Convention Center buildings unless otherwise noted)

### Symposium Schedule

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Location</th>
<th>Title</th>
<th>Speakers/Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday</td>
<td>9:30 AM – 12:00 PM and 3:00 – 5:30 PM</td>
<td>Marriott Hotel Separate, pre-registration required</td>
<td>Golden Gate A1/A2</td>
<td>Behavioral Pharmacology Symposium</td>
</tr>
<tr>
<td>Monday</td>
<td>9:30 AM – 12:00 PM and 3:00 – 5:30 PM</td>
<td>Marriott Hotel Separate, pre-registration required</td>
<td>Yerba Buena 12/13/14</td>
<td>Behavioral Pharmacology Symposium</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:30 AM – 12:00 PM and 3:00 – 5:30 PM</td>
<td>Marriott Hotel Separate, pre-registration required</td>
<td>Yerba Buena 12/13/14</td>
<td>Behavioral Pharmacology Symposium</td>
</tr>
</tbody>
</table>

### Teaching Institute

- **How to be a Course Director**
  - J.W. Strandboy
  - 12:30-3:00 PM
  - Room 309

### Graduate Student Colloquium

- **Pointers for Getting Your Point Across**
  - E.J. Blisky, M.L. Toews
  - 1:00-3:15 PM
  - Room 305

### Advances in H3 Receptor Research:

- **Implications for Novel Therapeutics**
  - (In memory of Art Hancock)
  - T.A. Eshenhade, M.F. Jarvis, M. Williams
  - 2:00-5:30 PM
  - Marriott Hotel Golden Gate A1/A2

### TOX (CPTM, DDDRA, SIP)

- **Cellular & Molecular Pathways of Neurotoxicity: Relevance to Neurodegenerative Diseases**
  - J.L. Cadet
  - 9:30-12:00 PM
  - Room 303
<table>
<thead>
<tr>
<th>Saturday, March 31</th>
<th>Sunday AM April 2</th>
<th>Sunday PM April 2</th>
<th>Monday AM April 3</th>
<th>Monday PM April 3</th>
<th>Tuesday AM April 4</th>
<th>Tuesday PM April 4</th>
<th>Wednesday AM April 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridges to Success in Academia: From Undergraduate Student to Professor</td>
<td>EDU Best Practices in Pharmacology Education J.E. Warnick 9:30 AM-12:00 PM Room 302</td>
<td>EDU (SIP) Beyond Listening: A Workshop on Strategies that Actively Engage Students in the Classroom W. Jeffries, R.F. Orzechowski 3:00-5:30 PM Room 200/212</td>
<td>Pharmacology Education Division Programming Distance Education in Pharmacology: Promises and Pitfalls P.K. Rangachari 9:30 AM-12:00 PM Room 301</td>
<td>Drug Metabolism Division Programming Metabolomic/Metabonomic Probes of Drug Metabolism Consequences L.S. Kaminsky 3:00-5:30 PM Room 307</td>
<td>DDDRA(CPTM, SIP, EDU) Getting Started in Drug Development: Academics to Industry B.R. Yerxa 3:00-5:30 PM Room 307</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASPET Business Meeting</td>
<td>CFP(CPTM, MP, SIP) Embryonic Stem Cell Therapy: From Cardiogenesis to Heart Repair A. Terzic 9:30 AM-12:00 PM Room 305</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Awards Ceremony &amp; Opening Reception</td>
<td>ASPET/AAA Workshop Beyond Academia: Career Options in Industry &amp; Biotech 10:00 AM-12:00 PM Room 123</td>
<td>Systems &amp; Integrated Pharmacology Division Programming Pharmacology of Cytokines in the Cardiovascular System R.C. Webb, M.W. Brands 3:00-5:30 PM Room 305</td>
<td>Cardiovascular Pharmacology Division Programming Graduate Student and Postdoctoral Scientist Best Abstract Competition W.M. Armstead, J. Shen 3:00-5:30 PM Moscone West Room 2008</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Posters displayed 7:30 AM – 4:00 PM, Sunday – Tuesday (Late-Breaking Posters on Wednesday)
Authors Must be Present by their Boards 12:30-2:45 PM

**Sunday Posters**
- Anxiety & Anxiolysis
- Depression & Stress
- Opioid Dependence
- Antinociception
- Neurotransmission
- Neurotransmitter Receptors
- GPCR Signaling I
- GPCR Signaling II
- Alpha Adrenergic Receptors
- RGS Proteins
- Hormone & Hormone Receptors
- DMD: Gene Expression & Regulation
- DMD: Phase I
- DMD: Phase II
- Clinical Pharmacology & Toxicology
- CV Pharmacology: Remodeling

**Monday Posters**
- Monoamines and Behavior
- Cognition, Attention & Neurogenesis
- Drug Discrimination & Behavioral Methods
- Cannabinoids
- Neuropharmacology I
- Neuropharmacology II
- Signal Transduction I
- Signal Transduction II
- Smooth Muscle Pharmacology & Toxicology
- Vascular Pharmacology: General
- Endothelium
- Pulmonary Pharmacology & Toxicology

**Tuesday Posters**
- Neurotoxicology & Neuroprotection
- Neurodegeneration
- Systems Pharmacology & Toxicology
- Renal Pharmacology & Toxicology
- DMD: Pharmacokinetics/Toxicokinetics
- DMD: Reactive Metabolite & Toxicity
- DMD: Transporters
- Hypertension: Blood Pressure Regulation
- Vascular Pharmacology: Coronary
- Cardiovascular Pharmacology: Ion Channels
- Second Messenger Systems
- Allosteric Modulation of GPCRs
- Kinases & Phosphatases
- Mammalian NO Metabolism & Signaling
- Immunopharmacology
- Chemotherapy
- Natural Products
ASPET Journals and Open Access

At the Society for Neuroscience Meeting in November, I had the opportunity to talk with meeting attendees at the Society’s booth on Publishers’ Row. We were located next to BioMed Central, a publisher of many online author-pays open-access journals. From a few of the discussions I had, I realized that I need to do a better job of publicizing the fact that ASPET’s primary research journals are open access. This was explained in the June issue of The Pharmacologist, but it bears repeating.

All manuscripts accepted for publication since July 2005 for JPET, Molecular Pharmacology, and Drug Metabolism and Disposition are freely accessible online. These “Fast Forward” online-ahead-of-print articles remain free after they are copyedited and formatted. The formatted version becomes free 12 months after publication in an issue, but the manuscript version is free immediately upon publication. This includes all articles—not just those funded by the NIH—so ASPET’s policy provides access exceeding that of the NIH.

There are many variations on “open access” (OA), but the primary tenet of OA is that a work be freely accessible immediately upon publication. That is exactly what ASPET is doing for its primary research articles.

We revised our copyright forms to allow authors to deposit NIH-funded research articles with PubMed Central. I encourage authors to do this. ASPET asks only that authors set the release date for their articles at 12 months. The NIH system will automatically calculate the actual calendar release date. It is based on publication data sent from the Society’s journals to PubMed. Authors just have to set the time interval.

Although the NIH’s Enhanced Public Access Policy is voluntary, the low participation rate to date is fueling calls for mandatory deposits with short or immediate release of content.

Why does ASPET ask for a 12-month release period at the NIH’s PubMed Central when articles are immediately available at the journal Web sites? It’s all about hits. Librarians demand, and get, detailed usage statistics for the journals to which they subscribe. If ASPET journal content is accessed at places other than the journal, hits go down, and there is less reason to maintain (or start) a subscription.

Hits are also important to advertisers. Advertising income helps support ASPET’s publishing program. It isn’t a great deal of income currently, but it is more than the Society’s journals can afford to lose, and we are working to make it grow. Hits diverted to journal content at PubMed Central or anywhere else decrease our ability to attract and keep advertisers.

Publishing your research in JPET, Molecular Pharmacology, or Drug Metabolism and Disposition is publishing in an open-access journal. Your research is freely available to all immediately and remains freely available.

Don’t Cheat Yourself Out of Citations

To format an announcement we recently prepared for publication, I went online to find an example from an earlier issue of the journal. The abstract and the full-text HTML versions of articles include a list of citations to it from other HighWire-hosted journals. I was surprised to find that the announcement I found was cited six or seven times. Why would anyone cite an announcement about editorial board changes?

Some digging explained what had happened. The citations to the announcement had the correct journal title, volume number, and starting page number. The algorithm that creates links between an article and citations to it uses these three data points. Unfortunately, the authors and article titles in the citations were completely different. No one intended to cite the announcement.

The announcement I found appears on page 1 of the issue. It also happens that all page proofs sent to authors start on page 1. An article’s starting page number usually cannot be determined at the time that proofs are sent. All of the citations to the announcement
were actually to other articles in the same issue. It appears that some authors shared their page proofs with colleagues, who then cited the volume and page numbers from the proofs.

This is a good news/bad news story. The good news is that the erroneous citations will be included in the impact factor calculations for the journal. Only the three data points mentioned above are used when verifying journal citations. As long as the journal title, volume number, and starting page number match the meta data supplied to the Science Citation Index and other indices, the journal gets credit for the citation.

The bad news is that the authors who were supposed to be cited will not get credit. Author citations are more rigorous than journal citations. Because the starting page numbers supplied in the citations did not match those of the articles cited, the citations were probably not counted toward the authors’ impact factors.

The copy editors working on ASPET’s journals now check the accuracy of all page 1 citations. How thoroughly other journals check their references varies. Much of this work is now automated. HighWire Press tested their linking algorithm by including author names and article titles, but they found too many legitimate differences that ruled out matches. For instance, some reference styles do not include article titles, and some do not list all authors. Authors present accented and special characters in inconsistent ways that prevent matches. The journal title, volume number, and starting page number have proven to be the most consistent and reliable meta data for linking and citation accuracy.

We ask authors not to share their page proofs. There are several reasons for that, and this is the newest. Direct your colleagues to the published version of your article so they can correctly cite your work.

Archival Issues Now Online

The back-issue scanning project is completed for Drug Metabolism and Disposition and Molecular Pharmacology. All issues of these journals going back to volume 1, issue 1, are available online as PDF files. DMD began publication in 1973, and Molecular Pharmacology was launched in 1965.

Online posting of the DMD issues was completed on July 29. Molecular Pharmacology was finished on September 7. Availability of the back issues was publicized through email messages to ASPET members, to those registered to receive announcements from the journals, and to email lists serving librarians. Announcements on each journal’s homepage alerted readers. Advertisements have been running in the print versions of the journals as well.

Users of the online version of Pharmacological Reviews may have noticed that its back issues are online. However, a careful quality assurance check by ASPET staff discovered a number of misidentified issues, broken links, and other glitches. HighWire Press is working to fix these problems, and the back issues will be publicized fully when they are corrected.

Scanning of JPET’s back issues has been completed, and the articles are being prepared for online posting. As the oldest ASPET journal, it has required the most work. We were fortunate to find every issue back to 1909. The pages of the early volumes were quite brittle and required special handling, as did the foldout pages used in earlier years.

For each journal, all back issues were “de-spined” so the pages would be flat for scanning. The scanning process created one enormous PDF file for each journal. The PDF files were then broken down to the article level. Each article’s title, authors, volume, issue, page numbers, and abstract were pulled from PubMed when available there and were rekeyed otherwise. PubMed began in 1965. Bibliographic information from its earlier years is spotty, so a significant amount of rekeying is needed, particularly for JPET and Pharmacological Reviews.

The early issues of these journals include items in addition to research articles and reviews. There are meeting abstracts, book reviews, obituaries, reports, and various announcements. All are being preserved, but they present some coding difficulties in a process that is highly automated and standardized. The project also preserves electronically the original mastheads, tables of contents, and advertising that were published in each issue. This is critical to librarians for the online version to serve as a true archive.

Watch your email and the Pharmacological Reviews and JPET Web sites for the completed posting of these journals’ back issues. We eagerly await the online availability of these tremendous Society assets.
NIH Funding
Last month the House rejected the conference report to the previously passed Labor/HHS bill that funds NIH and other public health agencies. It has been ten years since a conference report was not passed on House and Senate approved bills. The report had a $253 million increase (0.7%) above the FY’05 level for the NIH. This was significantly lower than the Senate approved bill (3.7%) and only $100 million more than the House bill (and President’s request). The conferenced number allocated for the NIH comes as no great surprise as it was expected the number would be closer to the House than the Senate.

If some resolution is not found, the NIH could face the prospect of a year long continuing resolution (CR) at FY’05 funding levels for the remainder of FY’06. A second CR is currently funding programs and was due to expire on December 17. Alternative solutions such as passing the existing bill as a stand alone bill or attaching it to the Department of Defense appropriations bill present their own problems that make any passage difficult to impossible. Also looming in any final resolution is the potential of across the board spending cuts. As a result of this uncertainty, the NIH recently announced that existing NIH grantees will be receiving payments as much as 20% below their award notice. NIH will consider making upward adjustments should a final FY’06 appropriations bill be enacted. However this situation ultimately gets resolved, the best-case scenario for the NIH in FY’06 remains “not good,” and the worst case looks pretty bad. At press time, Conferees were once again trying to hammer out some agreement.

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.

EB’06 Workshop for Summer Short Courses in Integrative and Organ Systems Science
At the 2006 Experimental Biology meeting in San Francisco, ASPET’s Public Affairs Committee will sponsor a workshop on Monday, April 3, 2006, to provide information on the National Institute of General Medical Sciences four short summer courses that will provide specialized training for using intact organ system and in vivo animal models in the conduct of research. The workshop will be held at the Moscone Convention Center from 12:30 pm - 2:00 pm. 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 background on last year’s summer short courses visit http://www.aspet.org/public/public_affairs/pa_NIGMS_shortcourse_awards.html.

Evolution vs. Intelligent Design
FASEB’s Office of Public Affairs has added a web page featuring evolution resources, including tools for teaching evolution to K-12, statements made by scientific societies regarding evolution, and other resources of interest to scientists. The page can be found at http://www.faseb.org/opa/ppp/evolution.html.

Funding Opportunities
Prescription Opioid Use and Abuse in the Treatment of Pain

The National Institute on Drug Abuse (NIDA) would like to inform the drug abuse and addiction research community about four recently announced NIH Roadmap funding opportunities. Further descriptions of these grant opportunities and the recently convened NIDA Roadmap Symposium titled “The NIH Roadmap: Inviting Drug Abuse and Addiction Researchers to Contribute to the Clinical Research Enterprise” Meeting Summary and Videocast are available at http://www.nida.nih.gov/about/roadmap/index.html.

Competing Renewal Awards of SBIR Phase II Grants for Pharmacologic Agents and Drugs for Mental Disorders http://grants.nih.gov/grants/guide/pa-files/PA-06-079.html
Division for Clinical Pharmacology & Translational Medicine

ASPET’s Division for Clinical Pharmacology has added a new dimension to its title. At its October meeting, ASPET Council approved changing the name of the Division to the Division for Clinical Pharmacology and Translational Medicine to better reflect the type of research of its members and to attempt to attract new members who might not have thought of themselves as clinical pharmacologists. But WAIT! At the recent Program Committee meeting, there was general agreement that these terms also encompassed the increasingly important area of Pharmacogenomics, and a recommendation was made to modify the name to the Division for Clinical Pharmacology, Pharmacogenomics and Translational Medicine to call attention to this very important area of pharmacology. ASPET Council will be considering this change on its next conference call.

Division for Drug Metabolism

Requests for Proposals for Division-sponsored Symposia at Experimental Biology 2007

The Division for Drug Metabolism seeks proposals for Division-sponsored symposia at Experimental Biology 2007, April 28-May 2, 2007, Washington, DC. Please submit your preliminary ideas and plans to Dr. Laurence Kaminsky (kaminsky@wadsworth.org). Guidelines and an on-line submission form are available on the Division for Drug Metabolism web site: http://www.aspet.org/public/divisions/drugmetab/meetings.htm.

The final deadline for submission of full symposium proposals is February 15, 2006.

James R. Gillette Best Paper Award Winners Announced

Pharmacokinetics/Transporters Category

NEUROPHARMACOKINETICS OF A NEW A-AMINO-E-HYDROXY-5-METHYL-4-ISOXAZOLE PROPIONIC ACID (AMPA) MODULATOR, S18986 [(S)-2,3-DIHYDRO-[3,4]CYCLOPENTANO-1,2,4-VENZOTHIADIAZINE-1,1-DIOXIDE], IN THE RAT

Fanchon Bourasset, Katy Bernard, Carmen Muñoz, Patric Benissel, and Jean-Michel Scherrmann
Institut National de la Santé et de la Recherche Médicale (INSERM) U 705, UMR Centre National de la Recherche Scientifique (CNRS), 7157, Université Paris 7, Université Paris 4, Hôpital Fernand Widal, Paris, France; and Institut de Recherches Internationals Servier (IRIS), Courbevoie, France

Drug Metabolism and Disposition 33: 1137-1143 (2005).

Drug Metabolism Category

A SIMPLE SEQUENTIAL INCUBATION METHOD FOR DECONVOLUTING THE COMPLICATED SEQUENTIAL METABOLISM OF CAPRAVIRINE IN HUMANS

Hai-Zhi Bu, Ping Kang, Ping Zhao, William F. Pool and Ellen Y. Wu
Department of Pharmacokinetics, Dynamics & Metabolism, Pfizer Global Research and Development, San Diego, CA

Drug Metabolism and Disposition 33: 1438-1445 (2005).
Division for Neuropharmacology

The Division of Neuropharmacology hosted a social/mixer during the Society for Neuroscience meeting in November, 2005. This was a purely social occasion and was attended by about 250 people. Food and drink were provided and, as can be seen in the accompanying pictures, a good time was had by all!
Susan G. Amara, Ph.D., to receive the Axelrod Medal for 2006 from the Catecholamine Club

Dr. Susan Amara received her B.S. in Biological Sciences from Stanford University in 1976 and her Ph.D. in Physiology and Pharmacology from the University of California, San Diego in 1983. Her doctoral work with Michael G. Rosenfeld established alternative RNA processing as a mechanism for regulating gene expression in the nervous system and identified a novel neuropeptide, CGRP, encoded within the gene for the peptide hormone, calcitonin. In 1985, she joined the Section of Molecular Neurobiology at the Yale University School of Medicine as an Assistant Professor, and in 1986 she was appointed as an Assistant Investigator in the Howard Hughes Medical Institute. At Yale she and her colleagues worked to isolate the genes encoding the norepinephrine transporter, a primary site of action for therapeutic antidepressants and psychostimulants, and the dopamine transporter, the molecular target associated with the addictive and euphoric properties of cocaine and amphetamines. Dr. Amara moved to the Vollum Institute at Oregon Health Sciences University as an Associate Professor in 1991 and was appointed Professor and Senior Scientist in 1996. She became an Associate Investigator in the Howard Hughes Medical Institute in 1994 and was promoted to Investigator in 1999.

In the fall of 2003, Dr. Amara left the Vollum and the Howard Hughes Medical Institute to become the Thomas Detre Professor and Chair of the Department of Neurobiology and Co-director of the Center for Neuroscience at the University of Pittsburgh. Work in her laboratory has examined the impact of psychostimulant and antidepressant drugs on the signaling properties, physiology and acute regulation of biogenic amine transporters. Her group has also addressed the structure, function and physiology of glutamate transporters. This work has demonstrated that such proteins can serve dual functions as transporters and as substrate-gated ion channels, revealing additional mechanisms by which carriers regulate neuronal excitability. Dr. Amara is a recipient of the George Herbert Hitchings Award for innovative methods in drug discovery from the Burroughs Wellcome Fund, the Young Investigator Award from the Society for Neuroscience, the John Jacob Abel Young Investigator Award from the American Society of Pharmacology and Experimental Therapeutics, a McKnight Neuroscience Investigator Award and a MERIT Award from the National Institute on Drug Abuse. She is a member of the Dana Alliance for Brain Initiatives and of the American College of Neuropsychopharmacology. She has served as a member of the National Advisory Council for the National Institute on Drug Abuse, and as a Councilor and a Treasurer of the Society for Neuroscience. She was elected to the National Academy of Sciences in 2004. She currently serves on editorial boards of several journals including Annual Reviews of Pharmacology and Toxicology, Trends in Pharmacological Sciences, and the Proceedings of the National Academy of Sciences. She is also a member of the Board of Scientific Counselors for the intramural program at the National Institute on Drug Abuse.

The Axelrod Medal has been given annually since 1991 by the Catecholamine Club to honor Nobel Laureate Julius Axelrod, a founding member of the Catecholamine Club. Previous winners have included Ullrich Trendelenberg, Arvid Carlsson, Norman Weiner, Robert Furchgott, Irvin Kopin, Sidney Spector, Solomon Snyder, Erminio Costa, Toshi Nagatsu, Salomon Langer, Richard Weinshilboum, Richard Palmiter and Marc Caron.
Catecholamine Club Dinner 2006

When: April 4th - Tuesday evening - 7:00 pm
Held in conjunction with Experimental Biology 2006 (www.faseb.org/meetings/eb2006).

Where: The Mandarin at Ghirardelli Square
900 North Point St., San Francisco.

Featuring: Presentation of the Julius Axelrod Medal for 2006 to Susan G. Amara PhD
The medalist will provide a dinner talk. This will be followed by live music and entertainment.

Cost: $50.00 per person
Note: Cost of the dinner — subsidized by the Foundation for Catecholamine Research — is capped at $50.00 per person for the first 40 members and guests who register. Cost of the dinner is otherwise $75.00.

To register: Registration deadline is March 20th 2006
Early registration will guarantee the reduced cost. Make check payable to the “Foundation for Catecholamine Research/CFNCR” and mail to Dr. Esther L. Sabban, Department of Biochemistry and Molecular Biology, New York Medical College, Valhalla, New York 10595. If you reside overseas or are otherwise unable to send a check, please contact Dr. Sabban to arrange alternative payment - email: sabban@nymc.edu.
CONTRIBUTORS FOR 2005

ASPET gratefully acknowledges the following individuals who have made contributions over and above dues for 2005.

Karl H. Beyer, Jr.
Graduate Student Travel Fund
Allen Barnett
Annette Beyer-Mears
J. Frederick Pritchard

Morton Printz
Kelly Standifer

Harvey B. Haag Graduate Student Travel Fund
Allan Yard

Thomas F. Burks Graduate Student Travel Fund
Edward Bilsky
Theodore Brody
David Brown
James Bruckner
Christine Carrico
John Fitzgerald
R. Kelly Hester
David Jones
Diana Krause
Mark Osinski
Kelly Standifer
Mark Voigt
Paula Witt-Enderby

IUPHAR Travel Fund
James Bain
Diana Krause
Elaine Sanders-Bush
Robert Stitzel
George Van Rossum

Bernard B. Brodie Award
Wayne Backes
Alan Brash
Thomas Chang
Patricia Combs
Allan Conney
David Cooper
Jack Dean
Xinxin Ding
Daniel Ellis
Catherine Fenselau
Burhan Ghanayem
GlaxoSmithKline
James Halpert
Patrick Hanna
Eric Johnson
Werner Kalow
John Kao
Thomas Kocarek
Dennis Koop
Bert LaDu
Chun Lin
H. George Mandel
Bettie Sue Masters
Michael Mayersohn
Edward Morgan
Eliot Ohlstein
Yoichi Osawa
J. Frederick Pritchard
Gary Rankin
David Riddick
Jonathan Sheng
Robert Snyder
Stanley Vickers
Richard Weinshilboum
Grant Wilkinson
Gerald Yost
Richard Zangar
Mary Alice Ziegler

P. B. Dews Award
Richard Adamson
Paul Draskoczy
Stephen Fowler
Charles France
Louis Harris
Chris-Ellyn Johanson
Jonathan Katz
Vicor Latives
J. Leander
James McKeen
Todd McKerchar
Donald McMillan
Keith Miller
S. Negus

Members Fund for Graduate Student Travel
Clare Advokat
Susan Amara
Alan Brash
Julie Eiseman
Daniel Ellis
Keith Freeman
Dale Hoyt
Joseph Krzanowski
Steven Mayer
Charles Nichol
Raymond Orzechowski
John Regan
Maria Salazar-Bookaman
Elaine Sanders-Bush
Akira Tsuji
Monica Valentovic
Thomas Walle
Lynn Wecker
Peter Wells

Keith F. Killam, Jr. Graduate Student Travel Fund
Afar Atrakchi
James Bain
Theodore Brody
Joseph Goldfarb
Harvey Kupferberg
Steven Mayer
David Nelson
Merle Paule

Robert F. Furchgott Graduate Student Travel Fund
Donald Bennett
Rosemary Bevan
Richard Carchman
Walter Dixon
Robert Furchgott
Barry Goz
F. Edmond Hunter
Richard Klein
Suzanne Laycock
Donald McMillan
Sidhartha Ray
Odd Steinsland
William West

Joseph P. Buckley Graduate Student Travel Fund
David Clarke
Barwint Dixit
Bhagavan Jandhyala
CONTRIBUTORS FOR 2005

Members Fund for Hurricane Katrina Relief
Jeffrey Fedan
Mahmoud Ahmed
Susan Amara
Nathan Appel
Amy Arai
Daniel Azarnoff
James Barrett
William Beck
Corrado Blandizzi
Floyd Bloom
Margaret Bodele-Bieber
Jerry Buccafusco
Christine Carrico
Martha Charney
Zhongjian Chen
Richard Clark
Judith Cole
Gordon Coppoc
Bryan Cox
Brian Cox
John Craner
Paul Draskoocy
Cheng Fang
Edward G. Fingl
William Fleming
Adriana Gallardo-Carpentier
Jonathan Geiger
Gerald Gianutsos
Margaret Gnegy
Susan Gonsalves
Garrett Gross
James Halpert
Donna Hammond
Louis Harris
Jeff Herman
Ron Hines
K. Hornbrook
Kari Hoyt
Margaret James
Jonathan Javitch
David Jones
Jeffrey Joyce
Jonathan Katz
Bertram Katzung
Frederick Kauffman
Kenneth Kellar
Robert Koerker
Cynthia Kuhn
Roger Maickel
Frank Margolis
Steven Mayer
Donald McMillan
Robert Mellins
Kenneth Moore
Tatiana Nanovskaya
Rob Nicholas
Eliot Ohlstein
Richard Olsen
Roger Porter
John Pritchard
Margaret Reilly
J. Steven Richardson
Ennio Rossi
Elaine Sanders-Bush
M. Shellenberger
Dolores Shockey
Glenn Sipes
Robert Snyder
Patricia Sonsalla
Myron Toews
Edwin Uyeki
Rita Valentino
James Way
Wendell Weber
Lynn Wecker
Robert Wolan
Sumner Yaffee
Nancy Zahniser

I.C. Winter Graduate Student Travel Fund
Steven Dworkin

Young Scientist Travel Fund
Mark Black
Amy Davidoff
John Fitzgerald
Brian Kobila
Bert LaDu
Raymond Lipicky
George Nuss
Robert Pechnick
Irwin Slater
George Van Rossum
Lynn Wecker

Sustaining Members Fund
Darrell Abernethy
C. Murray Ardies
Desiree Armstrong
James Barrett
Joe Beavo
Bary Berkowitz
William Berndt
Allan Blake
Joseph Borowitz
Hugh Burford
Brian Cox
Donald DuCharme
Emir Duzic
James Ellingboe
John Emmerson
Jeffrey Fedan
Maurice Feinstein
Anthony Fox
Arthur Furst
William Gerthoffer
Gerald Gianutsos
William Greenlee
Joseph Hanig
Joel Hardman
Louis Harris
Eugene Herman
R. Hester
Brian Hoffman
Lorenz Hofmann
Akira Horita
James Howard
Dale Hoyt

John P. Perkins Graduate Student Travel Fund
Richard Clark
Joel Hardman
Rita Valentino

Frank G. Standaert Graduate Student Travel Fund
Theodore Brody
George Condouris
Wolf Detbarn
Roberto Levi
Keith Miller
Yung Sohn

A.E. Takemori Graduate Student Travel Fund
Michael Ahlijanian
Theodore Brody
Charles Craig
Gary DeLander
Walter Dixon
Earl Dunham
Garrett Gross
Patrick Hanna
Donald Kvan
Louis Lemberger
Kenneth Moore
Robert Mueller
E. Leong Way
Lavern Weber
### CONTRIBUTORS FOR 2005

**Sustaining Members Fund, cont.**

- Ming Hu
- David Johns
- Robert Koerker
- Joseph Krzanowski
- Donald Kvak
- Gary Lesher
- Roberto Levi
- Dan Longo
- Kevin Lynch
- Roger Maickel
- Dennis Marshall
- Jean Marshall
- Steven Mayer
- Bruce McEwen

<table>
<thead>
<tr>
<th>Tom Miya</th>
<th>Dolores Shockley</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stata Norton</td>
<td>Albert Sjoerdsma</td>
</tr>
<tr>
<td>John O'Leary</td>
<td>Patricia Sonsalla</td>
</tr>
<tr>
<td>John Palmer</td>
<td>Palmer Taylor</td>
</tr>
<tr>
<td>Robert Pechnick</td>
<td>Alfonso Tobia</td>
</tr>
<tr>
<td>Dianne Perez</td>
<td>Akira Tsuji</td>
</tr>
<tr>
<td>Mark Perrone</td>
<td>Daya Varma</td>
</tr>
<tr>
<td>Walter Prozialeck</td>
<td>Richard Vulliet</td>
</tr>
<tr>
<td>Alvaro Puga</td>
<td>L. David Waterbury</td>
</tr>
<tr>
<td>Gary Rankin</td>
<td>Stephanie Watts</td>
</tr>
<tr>
<td>John Raymond</td>
<td>E. Leong Way</td>
</tr>
<tr>
<td>Margaret Reilly</td>
<td>Lynn Wecker</td>
</tr>
<tr>
<td>Charles Rutledge</td>
<td>John Yanni</td>
</tr>
<tr>
<td>Elaine Sanders-Bush</td>
<td>David Yesair</td>
</tr>
<tr>
<td>David Schneider</td>
<td>Nancy Zahniser</td>
</tr>
<tr>
<td>M. Kent Shellenberger</td>
<td>Morris Zedeck</td>
</tr>
</tbody>
</table>

---

**Thank you to our Corporate Contributors in 2005**

- **Experimental Biology 2005**
  - Avanti Polar Lipids
  - Dov Pharmaceutical, Inc.
  - Eli Lilly and Company
  - Esprion
  - Hoffmann-LaRoche
  - Merck Research
  - Pfizer
  - Wyeth Research Laboratories

- **Bernard B. Brodie Award**
  - Abbot Laboratories
  - GlaxoSmithKline
  - Merck Research Laboratories
  - Sanofi Aventis
  - Schering-Plough Research Institute

- **Torald Sollmann Award**
  - Wyeth Research

- **Hurricane Katrina Relief Fund**
  - GlaxoSmithKline

- **Division for Neuropharmacology Social**
  - Eli Lilly and Company

- **ASPET-Merck Fellowships in Integrative Pharmacology**
  - Merck & Company
NEW MEMBERS

Regular Members

Akbarali, Hamid, Virginia Commonwealth University MCV, Dept of Pharmacology & Toxicology
Awumey, Emmanuel, North Carolina Central University, Dept of Biomedical/Biotechnology Research
Babul, Najib, TheraQuest Biosciences
Bertrand, Daniel, University of Geneva/CMU, Dept of Physiology
Brauner-Osborne, Hans, Danish University of Pharmaceutical Science, Dept of Medicinal Chemistry
Burris, Thomas, Lilly Research Laboratories, Lilly Corporate Center
Charlton, Clivel, Meharry Medical College, Dept of Pharmacology
Copello, Julio, Southern Illinois University School of Medicine, Dept of Pharmacology
Cowan, Conrad, Cara Therapeutics, Dept of Molecular Screening
Craven, Rolf, University of Kentucky, Dept of Molecular & Biomedical Pharmacology
Cunningham, J., University of Texas HSC, Dept of Pharmacology
Dai, Xiaoling, Michigan State University, Dept of Pharmacology & Toxicology
Dar, Ahsana, University of Karachi, H.E.J. Research Institute of Chemistry
DeHaven, Robert, Adolor Corporation
Doze, Van, University of North Dakota Sch of Medicine & Health Science, Dept of Pharmacology
Elble, Randolph, Southern Illinois University, Dept of Pharmacology
Fernandes, Daniel, Medical University of South Carolina, Dept of Biochemistry & Molecular Biology
Frazer, Kelly, Perlegen Sciences, Inc.
Gallardo, Kathy, NIMH, NIH, Child Psychiatry Branch
Goosen, Theunis, Pfizer, Inc, Dept of Pharmacokinetics, Dynamics & Metabolism
Goosen, Colleen, University of Michigan, College of Pharmacy
Gros, Robert, Robarts Research Institute
Imig, John, Medical College of Georgia, Vascular Biology Center
James, Joyce, Ambit, Inc
Jin, Yan, Indiana University, Division of Clinical Pharmacology
Jones, Toni, University of California, San Diego, Dept of Anesthesiology
Jordan, Kristen, Targacept, Inc.
Kalsotra, Auinash, University of Texas Med Sch, Dept of Biochemistry & Molecular Biology
Kanai, Yoshikatsu, Kyorin University School of Med, Dept of Pharmacology & Toxicology
Kawabata, Atsufumi, Kinki University Sch of Pharmaceutical Science, Div of Physiology & Pathology
Kedei, Noemi, LCCTP/MMTP, NIH
Kondraganti, Sudha, Baylor College of Medicine, Dept of Pediatrics
Kousha, Ahmed, TargeGen, Inc.
Lapiz, M. Danet, University of Texas, HSC, Dept of Pharmacology
Lee, Youn, University of Missouri, Dept. of Medical Pharmacology/Physiology
Li, Fang, St. Jude Children's Rsch Hospital, Dept of Molecular Pharmacology
Lin, G., University of Canberra, School of Hlth Sciences, Dept of Pharmacy
Mitchell, Kristen, University of Texas Medical Branch, Dept of Pharmacology & Toxicology
Morgan, Dave, University of South Florida, Dept of Pharmacology & Molecular Therapeutics
Moussy, Yvonne, University of South Florida, Dept of Mechanical Engineering
Muralidhara, Bilikallahalli, University of Texas Med Branch, Dept of Pharmacology & Toxicology
Nagarajan, Naveen, The Picower Inst for Learning & Memory
Nirthanan, Selvanayagam, Harvard Medical School, Dept of Neurobiology
Patel, Jignesh, PRA International, Dept of Clinical Pharmacokinetics
Patel, Hemal, University of California, Dept of Anesthesiology
Peterson, Lisa, University of Minnesota, Dept of Environmental Health Sciences
Pucci, Michael, New York Medical College, Dept of Pharmacology
Purohit, Anil, Mount Sinai School of Medicine, Dept of Internal Medicine
Ramkumar, Vickram, Southern Illinois University Sch of Medicine, Dept of Pharmacology
Renger, John, Merck Research Laboratories, Sleep Research
Richburg, John, University of Texas, Dept of Pharmacology & Toxicology
Rodriguez, Raquel, University of Salamanca, Dept of Biochemistry & Molecular Biology
Rorabaugh, Boyd, Ohio Northern University, College of Pharmacy
Rudic, R., Medical College of Georgia, Dept of Pharmacology & Toxicology
NEW MEMBERS

Sanchez, Alma, Texas Tech University, HSC, Dept of Pharmacology & Neuroscience
Schell, Michael, USUHS, Dept of Pharmacology
Schwartz, Jean-Charles, Bioprojet Biotech
Sell, Stacy, University of Texas Medical Branch, Dept of Pharmacology & Toxicology
Seong, Jae, Chonnam National University Hormone Research Center, Sch of Biological Sciences & Technology
Spedding, Michael, Institut De Recherches Servier
Terzic, Andre, Mayo Clinic, Dept of Molecular Pharmacology & Experimental Therapeutics
Tukov, Francis, Michigan State University, National Center for Food Safety & Toxicology
Valdez, Glenn, Havard Medical School, New England Primate Research Center
Vrbacac, John, PharmOptima
Wang, Zaijie, University of Illinois College of Pharmacy, Dept of Biopharmaceutical Sciences
Ward, Gregg, North Carolina Central University, Dept of Neuroscience and Drug Abuse Research Program
Watson, Cheryl, Central Connecticut State University, Dept of Biomolecular Sciences
Witt, Ken, Southern Illinois University, School of Pharmacy
Wulff, Heike, University of California, Dept of Medical Pharmacology & Toxicology
Xiao, Jim, Amgen, Inc., Dept of Pharmacokinetics & Drug Metabolism
Xie, Zhihua, Harvard Medical School, New England Regional Primate Center
Zhou, Huiping, Med College of Virginia VCU, Dept of Immunology & Microbiology
Zhou, Fuguo, Louisiana State University, HSC, Dept of Pharmacology & Experimental Therapeutics
Zuo, Jian-Ping, Shanghai Institute of Materia Medica, Chinese Academy of Sciences

Affiliate Members
Hosseini, Alireza, Eastern Virginia Medical School, Dept of Physiological Sciences
Paintlia, Ajaib, Medical University of South Carolina, Dept. of Pediatrics

Graduate Student Members
Allen, Jonathan, Northeastern Ohio University Coll Med/Kent State University, Dept of Pharmacology
Allen-Klee, Leah, University of Kentucky College of Pharmacy, Dept of Pharmaceutical Sciences
Bassil, Marcel, University of Montreal, Dept of Physiology
Bose, Diptiman, University of the Pacific, TJI School of Pharmacy
Bulku, Elida, Long Island University A&M Schwartz Coll Med, Dept of Pharmacy
Burston, James, Virginia Commonwealth University, Dept of Pharmacology & Toxicology
Cagnina, R. Elaine, University of Virginia CVRC, Dept of Physiology/Medicine
Chung, Shinjae, University of California, Dept of Pharmacology
Compton, Leigh, Centenary College, Dept of Biochemistry
Cordes, Crystal, University of Nebraska Med Ctr, Dept of Pharmacology & Experimental Neuroscience
Cunha, Tatiana, Wright State University Booshoft Sch of Med, Dept of Pharmacology & Toxicology
Cvitanovic, Luke, Tulane University HSC, Dept of Pharmacology
Descorbeth, Magda, University of Montreal, Faculty of Med, Dept of Physiology
El-Yazbi, Ahmed, University of Alberta, Dept of Pharmaceutical Science
Esfandiarei, Mitra, University of British Columbia St. Paul's Hosp, The James Hogg ICAPTURE Center
Fabiyi, Adebola, University of Oxford, Dept of Pharmacology
Fan, Yun, University of Pittsburgh, School of Pharmacy
Fardoun, Riham, University of Houston, College of Pharmacy
Field, Julie, Vanderbilt University, Dept of Pharmacology
Fisher, Ashley, University of Arizona, Dept of Pharmacology & Toxicology
Gajewski, Christine, University of Pennsylvania Sch of Med, Dept of Biology
Goddard, Alison, Queen Mary University, Dept of Clinical Pharmacology
Hall, Aaron, University of South Florida, Dept of Pharmacology
Hlavacova, Alexandra, Michigan State University, Dept of Pharmacology & Toxicology
Houston, Dayle, University of North Carolina, Dept of Pharmacology
Hulshizer, Randall, University of Kentucky Coll of Med, Dept of Biology/Biotechnology
King, Andrew, Michigan State University, Dept of Pharmacology & Toxicology
Krishnan, Prasad, Louisiana State University HSC, Dept of Pharmacology, Tox & Neuroscience
Lash, Leanne, University of Texas Medical Branch, Dept of Pharmacology & Toxicology
NEW MEMBERS

Lee, Yuk Kwan, University of Hong Kong, Dept of Cardiovascular Pharmacology
Li, Melissa, Michigan State University, Dept of Pharmacology & Toxicology
Lowery, John, University of New England College of Osteopathic Med, Dept of Pharmacology
Mannery, Yancy, Emory University, Dept of Molecular & Systems Pharmacology
Metcalfe, Cameron, University of Utah, Dept of Biology/Human Development
Middleton, Natavia, University of South Alabama, Dept of Pharmacology
Oestreich, Emily, University of Rochester School of Med, Dept of Chemistry & Biochemistry
Pasumarthi, Ravi, University of South Carolina Sch of Med, Dept of Neuropharmacology
Pazin, Marina, Northwestern University, Dept of Chemistry
Procknow, Jesse, St. Louis University Sch of Med, Dept of Pharmacology & Physiology
Puppala, Dinesh, University of Kentucky, Dept of Pharmacology
Radio, Nicholas, Duquesne Univ/Mylan Sch of Pharm, Dept of Human Anatomy & Physiology
Ramanujapuram, Suneetha, Duquesne University, Dept of Pharmacology & Toxicology
Roberts, Diane, University of Manitoba, Dept of Pharmacology & Experimental Therapeutics
Rocha, Marcelo, UMDNJ-Robert Wood Johnson Med School, Dept of Biomedical Science
Rutkowski, James, Duquesne University, Graduate School Pharmaceutical Science
Samudre, Sandeep, Tidewater Community College, Dept of Math & Sciences
Shi, Yi, University of Hong Kong, Dept of Pharmacology
Sliter, Danielle, Upstate Medical University, Dept of Pharmacology
Smith, Aaron, East Carolina University, Dept of Pharmacology & Toxicology
Song, Julie, University of Illinois, Dept of Pharmacology
Stumpf, Madelyn, St. Louis University, Dept of Pharmacological & Physiological Sciences
Swiger, Brad, University of South Alabama Coll of Med, Dept of Pharmacology & Center for Lung Biology
Tang, Eva, University of Hong Kong, Dept Pharmacology
Van Der Hoeven, Dharini, Med Coll of Wisconsin, Dept of Pharmacology & Toxicology
Volz, Trent, University of Utah, Dept of Pharmacology & Toxicology
Wallace, Kori, University of Virginia, Dept of Molecular Microbiology
Wang, Xiaoxia, University of Saskatchewan, Dept of Pharmacology
Wei, Lian, University of Minnesota, Dept of Experimental & Clinical Pharmacology
Weissmiller, Sandra, Emory University, Dept of Neuroscience
Williamson, Kelly, Oklahoma Med Rsch Foundation, Dept of Free Radical Biology & Aging
Wolf, Valerie, New Mexico Tech, Dept of Biology
Wood, Susan, University of Michigan, Dept of Biopsychology
Wu, Ran, University of Kentucky Medical Center, Dept of Pharmacology
Ying, Zhekang, Medical College of Georgia, Dept of Physiology
Yoon, Eun-Ja, Vanderbilt University Medical Center, Dept of Pharmacology
Zhang, Jiejin, University of Florida Coll of Med, Dept of Pharmacology & Therapeutics
Zhou, Xiping, University of North Carolina, Dept of Pharmacology
Zurn, Jane, University of Vermont, Dept of Electrical Engineering

Undergraduate Student Members

Alter, Matthew, Rutgers University Cook College, Dept of Biochemistry
Andresen, Jennifer, Princeton University
Branta, Jeff, Michigan State University, Dept of Biology
Brauner, Daniel, Washington State University, Dept of Biochemistry
Carrazquillo, Martin, University of Puerto Rico, Dept of Biology
Chalmers, Nicole, Rockhurst University, Dept of Biology
Cork, Shannon, Southwestern College, Dept of Chemistry
Dhupelia, Amrita, University of Illinois, Dept of Molecular & Cellular Biology
Eagle, Theresa, Michigan State University, Dept of Biochemistry
Esker, Jan, University of Southern Indiana, Dept of Biophysics
Gaydess, Andrea, Benedictine College, Dept of Biochemistry
Georgi, Sean, Brigham Young University, Dept of Neuroscience
Goraya, Nadeem, University of California, Dept of Biological Sciences
Knobbe, Reed, University of Kansas, Dept of Chemical Engineering
Lancelin, Ka Tonya, Xavier University, Dept of Chemistry
NEW MEMBERS

Love, Joseph, University of Southern Indiana, Dept of Biology
McMullen, Davida, Marshall University, Dept of Nursing
Obaidat, Amanda, Park University, Dept of Biology
Ogden, Kevin, Michigan State University, Dept of Physiology
Panian, Benida, University of California, Santa Barbara, Dept of Pharmacology
Pappas, Samuel, Michigan State University, Dept of Physiology
Park, Sung, California State University, East Bay, Dept of Physiology
Raymond, Tyler, University of New England, Dept of Medical Biology
Sillah, Kemella, California State University - Northridge, Dept Biology
Torres, Roxana, New Mexico State University, Dept of Nursing
Vasko, Matthew, Michigan State University, Dept of Human Biology
West, Elizabeth, University of Delaware, Dept of Neuroscience
Zorniak, Michael, Lake Forest College, Dept of Biology

IN SYMPATHY

ASPET notes with sympathy the passing of the following members:

David A. Brodie
Gerald Cohen
Oscar F. Davis
Arthur A. Hancock
William G. Huber
Richard L. Irwin
Andrew Lasslo
Joseph Leiter
George J. Levinskas
Arthur Sohler
Marshall Steinberg
Arthur A. Hancock, Ph.D.
1946-2005

With deep sorrow we report that our dear colleague, mentor, and friend, Dr. Arthur Allan Hancock, passed away November 11, 2005, in Westmoreland Nursing Home at Lake Forest Hospital, surrounded by his loving wife and family. He battled kidney cancer with grace, faith, and good humor for four months before succumbing to this recently diagnosed illness. Dr. Hancock was born in St. Louis, and grew up in Easton, Pennsylvania. He is survived by his beloved wife Kathryn of Libertyville, IL; two sons, David M. Hancock of Grayslake, IL and Chad M. Hancock of Waukegan, IL; a stepson, Jeffrey B. Svehla of Evanston, IL; and his sister, Christine (Steve) Fisher of Bethlehem, Pa. He was loved and will be remembered by a number of in-laws, nieces and nephews as well. He was preceded in death by his brother, Dr. Kenneth Hancock of Rockville, Md., as well as his mother, Audrey Hancock (nee Buddensick) and father, Kenneth R. Hancock, both of Bethlehem. His funeral service was held at the First Presbyterian Church in Libertyville, on November 19, 2005.

Dr. Hancock graduated with two degrees from Penn State University in 1968 and worked as a pharmacologist at Norwich Pharmacal Company from 1968-1970. He then completed his doctoral work (Myocardial contractile force: The role of verapamil-induced changes in transmembrane calcium flux and cyclic nucleotides) in 1977 at the University of Pennsylvania's Department of Pharmacology, School of Medicine under the tutelage of Dr. Marilyn E. Hess. Upon completion of his doctoral work, Art proceeded to the laboratory of Dr. Robert J. Lefkowitz at the Duke University Medical Center to conduct post-doctoral research in receptor pharmacology. His work during that time resulted in the publication of three now classic papers in Molecular Pharmacology on the development of the first computer assisted methods for detailed analysis of receptor subtypes. The methods he developed while working in the laboratory of Dr. Lefkowitz quickly became the standard in the field and are used throughout the world today for the detailed analysis of ligand binding experiments.

Following completion of his fellowship at Duke in 1979, Art accepted the position of senior research pharmacologist at Merrell Dow Research Institute in Cincinnati, Ohio, where he was involved in cardiovascular and neuroscience research. He came to Abbott Laboratories in 1985 and rose to the position of senior project leader and Research Fellow in the prestigious Volwiler Society. Due to his battle with cancer, he retired from Abbott on Sept. 30, 2005. Dr. Hancock's intellect, passion, vision and leadership were critical to the discovery of numerous clinical candidates across a spectrum of disease states including depression, BPH, cognitive disorders and pain. During his tenure at Abbott, Art used his considerable pharmacological knowledge to diligently work with his colleagues to correlate pathophysiological findings to molecular targets and shepherd the development of selective new chemical entities into clinical candidates and important pharmacological tools. His research efforts contributed to the greater understanding of the contributory role of α1-adrenergic subtypes to benign prostatic hypertrophy and the development of α1A/AD-receptor antagonist fiduxosin. More recently, he had considerable impact in the histamine H3 receptor field, leading the research effort at Abbott in demonstrating the preclinical utility of H3 antagonists to treat cognitive disorders and obesity, culminating in the development of a number of novel H3 receptor antagonists including ABT-239. Art was a true drug hunter who was passionate about drug research and considered himself fortunate to be able to work at something he truly loved.

Art combined his scientific expertise with the ability to lead and mentor scientists from multiple disciplines. He was internationally recognized and served on the editorial board for numerous journals, including Biochemical Pharmacology, the Journal of Pharmacology and Experimental Therapeutics and others. He was the author or co-author of over 85 scientific articles and book chapters. Art was an active and involved member of the Society for Neuroscience, the European Histamine Research Society, and the American Society for Pharmacology and Experimental Therapeutics (ASPET). Memorializing the passion Dr. Hancock felt for encouraging and mentoring young people in the field, Abbott Laboratories sponsored what is now called the Arthur A. Hancock Young Investigator Award given out by the European Histamine Research Society.

Art was a great colleague and friend to many inside and outside of Abbott; his calm demeanor, thoughtful analysis, willingness to listen to multiple viewpoints and desire to help anyone in need made him a person who was sought for advice and insight on many occasions. He possessed a wonderful sense of humor that was often incorporated into witty prose he presented to colleagues celebrating significant events in their careers. As Art fought his battle with cancer, he maintained these qualities and continued to have a deep concern for all of his colleagues past and present. He encouraged his colleagues to continue the search for better medicines for pain and cancer, and he retained his great sense of humor.
OBITUARY

Dr. Hancock found solace and pleasure in music and participated in the First Presbyterian Church of Libertyville's Chancel Choir. This circle of friends in faith was where he found immense joy. He played various percussion instruments including the hammer dulcimer and marimba. Among his other interests were theater, travel and bicycling. He was a man of deep integrity, quiet courage, keen intellect, ready wit and abiding faith in God.

Both Abbott Laboratories and the larger communities of pharmacology and neuroscience have sustained a significant loss with his untimely death. All will miss his wise counsel, mentoring, character, wit, and grace. Art was an esteemed colleague, valued mentor, and most especially a dear friend who will be missed greatly.

Contributions in Dr. Hancock’s memory can be made to American Cancer Society or the Music Program of the First Presbyterian Church, 219 W. Maple Ave, Libertyville, IL 60048.

Prepared by Tim Esbenshade, Gerry Fox, Kathleen Krueger, Robert Lefkowitz, Mike Meyer, and Jim Sullivan

Advances in H3 Receptor Research: Implications for Novel Therapeutics
A Symposium in Memory of Arthur Hancock

Saturday, April 1
2:00 pm – 5:30 pm
San Francisco Marriott
Golden Gate A1/A2
San Francisco, CA
(In conjunction with EB ’06)

Despite two decades of pharmacological research on histamine H$_3$ receptor antagonists, no compound from this class is currently in advanced clinical trials. To date, no clinical proof-of-concept data exist for the proposed therapeutic utilities of H$_3$ receptor antagonists that include: Alzheimer’s disease, attention deficit hyperactivity disorder, schizophrenia and other dementias; metabolic diseases such as obesity and; sleep/wake disorders including narcolepsy. However, recent advances in biology and chemistry in industry and academia have resulted in major advances towards this elusive goal. This symposium will highlight advances, including presentations of recent findings on H3 receptor oligomerization, function, and physiological activity as well as the development of novel H$_3$ antagonists and the potential therapeutic indications of the compounds by leading H$_3$ receptor experts. The H$_3$ research area was one in which the late Art Hancock made major contributions building on his extensive experience in the area of GPCRs.

Tentative topics include:

- Advances in GPCR Research: Implications on Drug Therapy
- Recent Advances in H$_3$ Receptor Molecular Pharmacology: Isoforms, Oligomerization and Signaling
- Advances in H$_3$ Receptor Biology: Utility of H$_3$ Knockout Mice in Drug Discovery
- Development of H$_3$ Antagonists for CNS Disorders
- Therapeutic Applications of H$_3$ Antagonists
- Alternate Correlation of H$_3$ Antagonist Effects on Behavioral and Neurochemical Measures: Implications for Therapeutic Utility
New England Pharmacology Society Announces Its 2006 Annual Meeting

The 35th Annual Meeting of New England Pharmacologists (NEP 2006), a regional chapter of ASPET, will be held on February 10 and 11, 2006, in the elegant Eden Vale Grand Ballroom at the Westin Hotel in Waltham, MA. The Department of Pharmacology and Experimental Therapeutics at Boston University School of Medicine (David H. Farb, Ph.D., Chair, and Carol T. Walsh, Ph.D., organizers) is pleased to host this meeting. Participation by trainees and professionals in academia and the pharmaceutical industry of New England is strongly encouraged. There will be an emphasis on providing opportunities for graduate students, post-doctoral fellows, and undergraduates to present their research and interact informally with thought leaders from the academic, governmental, and industrial sectors of pharmacology. In addition to oral and poster presentations, the meeting will feature keynote presentations by scientific leaders from academia and industry. Confirmed speakers include Susan L. Lindquist, Ph.D., Professor of Biology, Whitehead Institute, MIT; Frank S. Walsh, Ph.D., Executive Vice President, Discovery Research Worldwide, Wyeth Research; and Lex H.T. Van der Ploeg, Ph.D., Vice President, Basic Research, Merck Research Laboratories, Boston, MA.

An award for research excellence will be presented to one graduate student from each participating academic institution. The abstract submission deadline is January 6, 2006, and the registration deadline is January 27, 2006. A discounted rate ($99 per room) for attendees is available but reservations for the Westin Hotel in Waltham, MA (800-937-8461) must be confirmed by 20 January 2006. For further information contact Sara Johnson at 617-638-4302 or pharm3@bu.edu. Online information and registration is available at http://lmnsrv.bumc.bu.edu/NEPS/

ASPET Staff again this year decorated the display case in the corridor outside the ASPET and Biophysical Society offices.

We join our penguin friends in wishing everyone a Happy Holiday Season.
A SPET will be making travel awards for graduate students and young scientists to attend this unique international meeting. Application forms will be available online in November at: www.aspet.org/public/awards/awards_fellowships.html

Applicants must be ASPET members and must be the presenting author of an abstract submitted to IUPHAR 2006.

Abstract deadline: January 31, 2006
IUPHAR 2006

15th World Congress of Pharmacology
Scientific Program

Plenary Lectures

Retinoid Pharmacology: Cell Growth, Differentiation and Cancer, Lorraine Gudas (USA)
Endothelial Dysfunction and Vascular Disease, Paul M. Vanhoutte (USA)
Annexin 1, Glucocorticoids and the Neuroendocrine-Immune Interface, Julia Buckingham (UK)
Serotonin 5-HT\textsubscript{2} Receptors: Molecular and Genomic Diversity, Elaine Sanders-Bush (USA)
Muscle-Derived Cytokines: Pharmacological Implications, Bente Klarlund Pedersen (Denmark)
Discovery of Ghrelin: Its Structure and Physiological Significance, Kenji Kangawa (Japan)
Pharmacogenomics: Basic and Clinical Research, Richard M. Weinshilboum (USA)
Ca\textsuperscript{2+} Sensitizers: Characteristics, Classification and Potential Clinical Relevance, Masao Endoh (Japan)
Modulation of Cytochrome P450 Activity by Reactive Species, Patrick du Souich (Canada)
Why Pharmacology Teaching and Research are Inextricably Linked, Bevyn Jarrott (Australia)
Targeting Adenosine Receptors, Bertil Fredholm (Sweden)
Regulation of Hypoxia Inducible Factor, Cell Respiration and NO, Salvador Moncada (UK)
Prostanoid Receptors: From Physiology, Molecular Biology to Translations Research, Shuh Narumiya (Japan)
Discovery and Molecular Analysis of Aquaporin Water Channels, Agre Peter (USA)
Myoblast-Mediated Gene Transfer for Therapeutic Angiogenesis, Helen Blau (USA)
A New Class of Peripheral Analgesics: Stimulators of the NNO-cGMP-PKG-ATP \textsuperscript{K} Channel, Sergio Henriqu Ferreira (Brazil)
Adrenoceptor Trafficking in a Living Cell, Qi-de Han (China)
Understanding Drug Glucuronidation: New Insights on an Old Enzyme, John Miners (Australia)
Ethnicity, Genetics and Tailored Pharmacology, Hong-hao Zhou (China)
Angiogenesis: From Plants to Blood Vessels, Tai-ping Fan (UK)
Modular Assembly of G Protein Protein-Coupled Receptor Signalosomes, Michel Bouvier (Canada)
The IUPHAR Lecture in Analytical Pharmacology – From Systems to Target to Systems: Can we Keep Caprice Out of Pharmacological Numbers, Terry Kenakin (USA)
The British Pharmacological Society Lecture – Prostaglandins, Glucocorticoids, Annexin A1 and Inflammation
Danish Lecture: The Pharmacology of Hypertension: What Now?

Symposia

Cellular Targets for Cancer Therapy
Protein Kinase Signaling in the Heart
Transporters and Adverse Effects of Drugs
Better Medicines for Children
Disease-Modifying Therapies in Alzheimer’s Disease: From Experimental Targets to Clinical Applications
Advances in Analgesic Drug Targets: Beyond Opioids and NSAIDS
Drug Treatment for AIDS and AIDS Associated Diseases
New Information on Classical 5-HT Receptors
Antibody-Based Therapies and Diagnostics
Frontiers in G Protein-Coupled Receptor Research
Torsades de Pointes Arrhythmias: Etiology, Detection and Benefit vs Risk Associated with Potential Cardiototoxic Drugs
Antimalarial Drugs: From the Bench to the Field
Inflammatory Sensitization
Pharmacological Treatment of Pulmonary Hypertension
Gene and Cell-Based Therapies for Cardiovascular Disease
Addiction
Pharmacology of Natural Products
Presynaptic Receptors: the third Decade and Future Perspectives
Integrating Tradition and Technology-Effective Teaching of Pharmacology
Pharmacology of Sarcoplasmic Reticulum in Smooth Muscle
Receptor Closure: New Frontiers for Functions Definitions
Metalloproteinases as Therapeutic Targets for Cancer Therapy
Na⁺/Ca²⁺ Exchangers: Molecular Pharmacology and Therapeutic Perspectives
Pharmacology of Gaseous Mediators
Novel Aspects of Cytochrome P450
Role of the Endocannabinoid System
Targeting Signaling Pathways for Therapeutic Interventions
Aquaporin Water Channels and New Drug Discovery
Modern Molecular GI Pharmacology: From Gene Expression to Therapy
Neuropathic Pain: Mechanism and Control
Pharmacology of Traditional Medicines
Eicosanoid Receptors in Vascular Disease: Targets for Drug Development
The Status of Educational Programs in Drug Development and Regulatory Science
Pharmacology of Nitric Oxide Synthase (NOS)
Acid-Related Disease and Mucoprotective Agents: Studies from Cells to Patients (parts 1 and 2)
Metabolic Modulation in Cardiac Myocytes as a Pharmacological Approach to Treat Cardiac Ischemia and Heart Failure
Role of Oxidative Stress in the Regulation of Drug Metabolizing Enzymes
Poly (ADP-ribosyl)ation: A Key Process for Pharmacological Intervention
New Perspectives for the Treatment of Airway Inflammation
Potential Drug Targets in the Renal Microcirculation
Purinergic Signaling
Possible Roles for Muscarinic Receptors in the Pathology of Schizophrenia and other CNS Disorders
Evolving Perspectives in the Pharmacology of Osteoporosis
Vascular Complications of Diabetes: Is Targeting the Endothelium a Viable Option for New Treatments?
Juxtaglomerular Cell Pharmacology
Pharmacology and Physiology of Pacemaker Channels
Neuronal Plasticity under Insult: From Transcription to Function
Prostaglandins in the Kidney
Pharmacogenetics in Cancer Therapy
Intercellular Cross-Talk in Blood Vessels: From Bench to Bedside
Chronotherapy: A New Means of Optimizing Therapeutic Outcomes and Safety
Molecular, Cellular and Clinical Pharmacology of Selective Serotonin Reuptake Inhibitors (SSRIs)
PPAR Agonists for the Treatment of Diabetes
EPHAR Mini-Symposium – Janus-Faced Enzymes: Generation of Reactive Oxygen Species by NO Synthases

Workshops

E-Pharmacology: Using Technology to Enhance Teaching and Learning in Pharmacology
Standardization and Quality-Control of Natural Products and Traditional Medicines
Target and Drug Discovery and Validation
Computational and in vitro Approaches for Predicting Drug Metabolism and Pharmacokinetics in Humans
New Advances in CNS Safety Pharmacology
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 (rphipps@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
- Travel awards for young scientists to the International Congress of Pharmacology in Beijing in 2006
- 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.
Application for Membership

Application for ☐ Regular, ☐ Affiliate, ☐ Graduate Student, or ☐ Undergraduate Student

APPLICANT: Please complete this section – type if possible.

Name and Address:  
Telephone:  
Fax:  
E-mail:  
Date of Birth:  

Education and Training:

<table>
<thead>
<tr>
<th>Date and Degree</th>
<th>School</th>
<th>City/State/Country</th>
<th>Major Field</th>
</tr>
</thead>
</table>

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):

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 & Translational Medicine  ☐ Division for Neuropharmacology
☐ Division for Drug Discovery, Development & Regulatory Affairs  ☐ Division for Pharmacology Education

Division membership is a benefit of ASPET membership and there is no additional charge to belong to a division.

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@aspet.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@aspet.org.

You may apply online at http://www.aspet.org/public/membership/membership.html
Future Meetings

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

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

📅 ASPET’s Centennial 🎉
Experimental Biology ‘08
San Diego, CA
Saturday-Wednesday
April 3-9, 2008