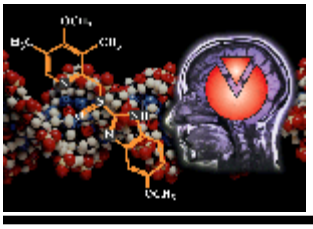


The Pharmacologist

Vol. 52
Number 4
2010
December

2010 Year In Review

Presidential Torch Passed From Past-President Brian Cox to President James Halpert

Award Winners in 2010

ASPET Members Volunteer at the Union Station Adult Center in Pasedena

ASPET Receives a $1.4 Million Bequest from the Estate of Vincent G. Zannoni

Also Inside this Issue:

The PHARMACOLOGIST

News

Features

Announcements

2011Dues Notices Have Been Mailed

Please Check Your Mailbox and Mail Your Payment or Renew Online at www.aspet.org

No Later than January 1, 2011

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

The Pharmacologist (ISSN 0031-7004) is published quarterly in March, June, September, and December by the American Society for Pharmacology and Experimental Therapeutics, 9650 Rockville Pike, Bethesda, MD 20814-3995. Annual subscription rates: $20.00 for ASPET Members; $45.00 for U.S. nonmembers and institutions; $70.00 for nonmembers and institutions outside the U.S. Single copy: $20.00.

Periodicals postage paid at Bethesda, MD. GST number for Canadian subscribers: BN:13489 2330 RT.

ASPET assumes no responsibility for the statements and opinions advanced by contributors to *The Pharmacologist.*

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

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

ASPET ELECTION

The ASPET election for President-Elect, Secretary/Treasurer-Elect, and Councilor will be taking place this month. All Regular, Post-doctoral, Retired, and Semi-Retired members are eligible to vote. In addition, the following Divisions are holding elections: Division for Cardiovascular Pharmacology, Division for Drug Discovery, Development & Regulatory Affairs, Division for Drug Metabolism, Division for Molecular Pharmacology, Division for Pharmacology Education, and Division for Toxicology. Those of you with email will receive a message when the election opens and will be reminded of your username and password so that you can log in to the Members Only section of the web site and vote. This email will also list the divisions in which you are eligible to vote. If you do not have email, you will be sent a paper copy of the election bulletin and a paper ballot and return envelope. You MUST sign the return envelope and print your name legibly in order for your paper vote to be counted. The divisions in which you are eligible to vote will be listed on your address label.

As required by the by-laws, the election site on the web will be open for a minimum of thirty (30) days from the day of notification.

NOMINEES FOR ASPET OFFICE

Candidates for President-Elect

John S. Lazo

Terrence J. Monks

Candidates for Secretary/Treasurer- Elect

Dennis C. Marshall

Edward T. Morgan

Candidates for Councilor

Charles P. France

Kenneth E. Thummel

NOMINEES FOR DIVISION OFFICE

Division for Cardiovascular Pharmacology:

Nominees for Chair-Elect

Richard H. Kennedy

Pamela A. Lucchesi

Stephanie W. Watts

Nominees for Secretary/Treasurer-Elect

Steven P. Jones

Nancy L. Kanagy

Jeffrey Martens

Division for Drug Discovery, Development & Regulatory Affairs:

Nominees for Chair-Elect

Donald R. Mattison

Eugene Shek

Nominees for Secretary/Treasurer-Elect

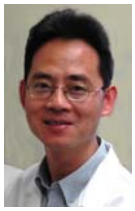
Anindya Bhattacharya

Robert J. Leadley, Jr

Division for Drug Metabolism:

Nominees for Chair-Elect

Wayne L. Backes



Wen Xie

Nominees for Secretary/Treasurer-Elect

Marion B. Sewer

Michael R. Wester

Division for Molecular Pharmacology:

Nominees for Chair-Elect

James R. Porter

Roger Sunahara

Nominees for Secretary/Treasurer-Elect

Guangyu Wu

Val J. Watts

Division for Pharmacology Education:

Nominee for Chair- Elect

Lynn M. Crespo

Nominees for Secretary/Treasurer-Elect

R. Senthil Kumar

Yuen-Sum (Vincent) Lau

Division for Toxicology:

Nominees for Chair- Elect

Jack A. Hinson

Stephen H. Safe

Nominees for Secretary/Treasurer-Elect

Lauren M. Aleksunes

Monica Valentovic

There will be no elections this year for the following divisions:

Division for Behavioral Pharmacolgy
Division for Integrative Systems, Translational and Clinical Pharmacology
Division for Neuropharmacology

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.**

ASPET gratefully acknowledges the following individuals who have made contributions over and above dues for 2010:

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Frances O. Kelsey, MD, PhD
Randy A. Hall, PhD

Julius Axelrod Award
Edward J. Massaro, PhD

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Allen Barnett, PhD
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Rosemary D. Bevan, BS, MB

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Benedict R. Lucchesi
M. K. Shellenberger, PhD

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Daniel E. Duggan, PhD
Francis J. Bullock, PhD
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Earl W. Dunham, PhD

Paul M. Vanhoutte Lectureship in Vascular Pharmacology

Rosemary D. Bevan, BS, MB
Thomas Michel
Chao-Yu Miao
Kim Jansen
Allan Lau

Norman Weiner Lectureship in Pharmacology

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EXPERIMENTAL BIOLOGY 2011 – Washington, DC

All rooms listed are in the Washington Convention Center unless otherwise noted.

Am Symposia 9:30 – 12:00; AM Lectures 8:30 – 9:20; PM Symposia 3:00 – 5:30; PM Lectures 2:00 – 2:50;

Saturday, 4/9	Sunday AM, 4/10	Sunday PM, 4/10	Monday AM, 4/11	Monday PM, 4/11	Tues AM, 4/12	Tues PM, 4/12	Wed AM, 4/13	Wed PM, 4/13
Behavioral Pharmacology Meeting (Renaissance)	**WIP Into Shape Walk** 7:00 AM – 8:30 AM Hyatt Meet at Concierge Desk **Diversity Mentoring Bkfst** 7:30 AM – 9:00 AM Hyatt **DM, ISTCP, TOX** DRUG METABOLISM AND ACTION IN PATHOPHYSIOLOGICAL CONDITIONS *R. Ghose, E.T. Morgan* **143C**	**ISTCP, CVP, DDDRA, DPE, TOX** SYSTEMS BIOLOGY OF OXIDATIVE STRESS AND THERAPEUTIC IMPLICATIONS *I. Laher* **140B**	**NEU, BEH, DDDRA, DM, ISTCP** ROLE OF NEUROINFLAMMATION IN PSYCHIATRIC DISEASE *J.E. Clark* **140A**	**Education Division Programming** WHAT HAPPENS TO DRUGS IN THE BODY? A PHARMACOKINETICS REFRESHER COURSE *J.S. Fedan, J.S. Leeder* (Hyatt) **TBA**	**MP, CVP, NEU** NOVEL REGULATION , PHYSIOLOGICAL ROLES, AND PHARMACOLOGICAL INTERVENTION OF GPCR-ADENYLYL CYCLASE SIGNALING SYSTEMS *C.W. Dessauer, V.J. Watts* **143A/B**	**DDDRA, MP** G_{α} SUBTYPE-SELECTIVE SIGNALING BY GPCRS AS A SUBSTRATE FOR FUNCTIONAL SELECTIVITY *R. Neubig* **143A/B**	**Norman Weiner Lecture: SEVEN TRANSMEMBRANE RECEPTORS:SOMETHING OLD, SOMETHING NEW** *Bob Lefkowitz* **143A/B** **MP, ISTCP** NEW ROLES FOR ARRESTINS IN SIGNALING, TRAFFICKING AND DISEASE *J.L. Benovic* **140A**	**RGS/AGS Colloquium** *V. Zachariou, J.R. Hepler* (Renaissance) TBA
Graduate Student Colloquium: Science, Scientist, Advocate: Making the Case for Increased Funding for Biomedical Research *J.V. Barnett, G.A. Dunaway* **1:30 – 4:30** **140A**	**BEH, ISTCP** THE NEUROBIOLOGY OF POST TRAUMATIC STRESS DISORDER (PTSD) AND IMPLICATIONS FOR TREATMENT *M. Davis, L.L. Howell* **140A**	**BEH, DDDRA, ISTCP** THE BIOLOGICAL "SPECIFICS" OF THE "NON-SPECIFIC" PLACEBO RESPONSE *J.D. Roache* **140A**	**BEH, ISTCP, NEU** TOO MUCH OR TOO LITTLE: BEHAVIORAL MODELS AND PHARMACOTHERAPIES FOR EATING DISORDERS *M.L. Banks* **143A/B**	**Behavioral Pharmacology Division Programming:** PHARMACOKINETIC APPROACHES TO THE TREATMENT OF DRUG ABUSE *G.T. Collins, C.R. Schuster* **140A**	**BEH, ISTCP, NEU** AUTISM AND PDD: NEUROPATHOLOGY, PHARMACOTHERAPIES, AND NEW DIRECTIONS *E.A. Walker* **140A**	**Neuropharmacology Division Programming:** POSTDOCTORAL AWARD FINALISTS **140A**	**Joint, NEU and DPE; BEH, ISTCP** CHRONOBIOLOGY IN THE MODERN CURRICULA: ADDRESSING DISEASE LINKAGE AND PHARMACOLOGICAL APPROACHES *M.W. Wood, S. Tischkau* **143C**	**DDDRA, DM, ISTCP, MP** RECENT DEVELOPMENTS IN THE UNDERSTANDING OF THE BIOLOGY AND PHYSIOLOGY OF THE JAK FAMILY OF TYROSINE KINASES *M.A. Sills* **140A**
2011 Teaching Institute: Creating Educational Partnerships from High School to Graduate School2:00 – 5:00 *J.V. Barnett* **140B**	Julius Axelrod Lecture Brian Kobilka **143A/B** Julius Axelrod Symposium *B. Kobilka* **143A/B**	**MP, CVP, DDDRA, ISTCP, DPE** G-PROTEIN COUPLED RECEPTOR SIGNALING IN STEM CELL BIOLOGY *A. Pébay, S. Hooks* **143A/B**	**CVP, ISTCP, WIP** ADVANCES IN ESTROGEN RECEPTOR SIGNALING: POTENTIAL IMPLICATIONS FOR WOMEN'S HEALTH *A. Cignarella, R.D. Feldman, V.M.Miller* **140B**	**Cardiovascular Division Programming:** PHARMACOLOGY DIVISION TRAINEE SHOWCASE 2:30 – 4:30 pm **140B** **Benedict Lucchesi Distinguished Lecture** **4:30 – 5:30 pm** 140B	**ISTCP, CVP** REGENERATIVE PHARMACOLOGY AND TRANSLATIONAL THERAPIES FOR REPAIR OF NERVE AND MUSCLE DISEASES/DISORDERS *F.C. Barone, G.J. Christ* **140B**	**DM Early Career Achievement Award Lecture: (CYP)2B, OR NOT 2B: THAT IS THE QUESTION** *Emily Scott* **2:00 – 2:50 pm** **140B** **Drug Metabolism James Gillette Award and Oral Sessions** **140B**	**CVP, DDDRA, ISTCP, MP** CARDIOVASCULAR KCNQ (Kv7) POTASSIUM CHANNELS: PHYSIOLOGICAL REGULATORS & TARGETS FOR THERAPEUTIC INTERVENTION *K.L. Byron, D.L. Kunze* **140B**	**CVP, DDDRA, ISTCP** THERAPEUTIC ANGIOGENESIS *E. Gherardi, S. Sengupta* **141**

EXPERIMENTAL BIOLOGY 2011 – Washington, DC

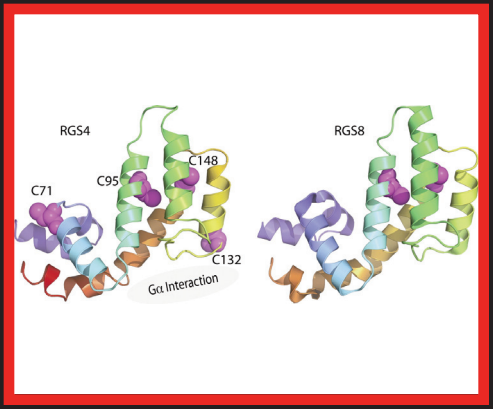
All rooms listed are in the Washington Convention Center unless otherwise noted.

Program Committee Meeting 12-4:30	**ISTCP, CVP, DM, TOX** THERAPEUTIC PEPTIDES *S. Alagarsamy, M.H. Holinstat* **140B**	**DM, MP, TOX** MICRO-RNA CONTROLLED REGULATION OF DRUG METABOLISM AND DISPOSITION *T.Yokoi, A. Yu* **143C**	PUBLIC AFFAIRS WORKSHOP: PARTNERING WITH THE FDA *M.F. Jarvis* **141**	**Toxicology Division Programming:** HYPOXIA, HYPOXIA-INDUCIBLE FACTOR 1α, AND TOXIC RESPONSES *P.E. Ganey* **143C**	**TOX, DM** IDIOSYNCRATIC DRUG REACTIONS *C. Ju* **141**	**ISTCP Division Programming:** YOUNG INVESTIGATOR PLATFORM AWARDS SESSION **141**	**ISTCP, CVP, DM, TOX** PHARMACOGENOMICS AND PERSONALIZED MEDICINE *A. Gaedigk* **143A/B**	**TOX, DDDRA, ISTCP** PHARMACOGENOMICS TO ADDRESS ADVERSE DRUG EVENTS *D.L. Mendrick, P.B. Watkins* **143A/B**
Business Meeting 6 – 7:30 (Renaissance)	**DPE, CVP, ISTCP** PHARMACOLOGY FOR HEALTHCARE PROFESSIONALS: THIRST FOR KNOWLEDGE *L. Wecker* (Hyatt) **TBA**	**DPE, CVP** CREATING EFFECTIVE QUESTIONS FOR ASSESSMENT AND AS AIDS IN LEARNING IN TODAY'S PHARMACOLOGY PROGRAMS *J.L. Szarek* (Hyatt)	**Molecular Pharmacology Division** POSTDOCTORAL AWARD FINALISTS **143C**	**DDDRA Division Programming:** HIGH IMPACT PHARMACOLOGIC SCREENING IN ACADEMIA *J.S. Lazo* **143A/B**	**Torald Sollmann Lecture** *Marcus M. Reidenberg* **8:30 – 9:20 am** **143A/B** **CVP, MP** THERAPEUTIC TARGETING OF EPOXYEICOSANOIDS *J.D. Imig, C. Lee* **143C**	**TOX, DM, ISTCP** ORGAN-SPECIFIC TOXICITIES CAUSED BY NOVEL METABOLIC PATHWAYS *K. Skordos, D. Zhang* **143C**		**Joint, NEU and MP, BEH, ISTCP** PHYSIOLOGY AND PHARMACOLOGY OF TRACE AMINE ASSOCIATED RECEPTOR *R.R. Gainetdinov, K.A. Neve* **143C**
Opening Reception 7:30-9:00 PM (Renaissance)		**Graduate Student/Postdoc poster competition**		**Division Mixers (tentative)**		**Student/Postdoc mixer** **Past Presidents' Dinner (Oya)**		**Festschrift Symposium Celebrating More than Three Decades of Mentorship by Dr. Paul Insel** 1:00 PM – 5:00 PM **140B**

Lectures

Social/Other

Divisional



RGS & AGS Proteins in Physiology & Disease Colloquium

April 13-14, 2011, Washington, D.C.

Chairs: John R. Hepler, Emory Univ & Venetia Zachariou, Univ of Crete
This is a Satellite Meeting to Experimental Biology 2011

RGS/AGS Proteins in Physiology & Disease

Visual System

RGS9 Regulation of ON-Bipolar Cells *(T. Wensel, Baylor College of Medicine)*
AGS/PcP2/Go Signaling in Retina *(N. Vardi, Univ of Pennsylvania)*

Inflammation and Cardiovascular Disease

RGS in Bronchial Smooth Muscle/Asthma *(K. Druey, NIAID/NIH)*
RGS Modulation of Myocyte Stress Responses in Heart Disease *(D. Kass, Johns Hopkins Univ)*
RGS Proteins in Cardiovascular Function *(S. Heximer, Univ of Toronto)*

Cancer and Neoplastic Disease

RGS Proteins in Breast Cancer *(S. Hooks, Univ of Georgia)*
AGS3 & Polycystic Kidney Disease *(P. Jackson, Genentech)*
AGS Protein Pins in Asymmetric Cell Division *(K. Prehoda, Univ of Oregon)*

CNS Disorders

RGS4 in Bipolar Disorders/Schizophrenia *(A. Hedge, Wake Forest Univ)*
RGS10 in Microglia & CNS Inflammation *(M. Tansey, Emory Univ)*

RGS & AGS Proteins & Their Partners as Drug Targets

The RGS/AGS/G Protein Interface as Drug Targets

RGS Proteins as Drug Targets *(R. Neubig, Univ of Michigan)*
Structure/Function of RGS & AGS Proteins *(D. Siderovski, Univ of North Carolina-Chapel Hill)*

Genetic Systems and Structure/Function

Genetic Studies of AGS3 in *c. elegans* *(M. Koelle, Yale Univ)*
Structural Analysis of RGS Protein Interactions *(J. Tesmer, Univ of Michigan)*

RGS/AGS Binding Partners and Signaling Complexes

Ric8A Regulation of AGS/G Protein Complexes *(G. Tall, Univ of Rochester)*
Coupling of RGS & AGS Proteins with GPCRs *(J. Blumer, Medical Univ of South Carolina)*

Attendees are invited to submit a poster for presentation on Wednesday evening and Thursday morning. Several short talks will be selected from the contributed posters. Poster titles and abstracts must be emailed to araptakis@aspet.org, no later than March 1, 2011.

For more information and to register, visit:
http://www.aspet.org/Meetings/RGS_AGS_Proteins/

Division for Cardiovascular Pharmacology:

The Executive Committee Membership printed in the last issue of *The Pharmacologist*, September 2010, was not the most current list. Please find below a corrected Executive Committee list:

John C. Kermode, PhD	Chair
Debra I. Diz, PhD	Past Chair
David B. Averill, PhD	Secretary/Treasurer
William M. Armstead, PhD	Member
Alan Bass, PhD	Member
Dayue Duan, MD, PhD	Member
Ross Feldman, MD	Member
Steven P. Jones, PhD	Member
Richard H. Kennedy, PhD	Member
Fadi Khasawneh, BPharm, PhD	Member
David D. Ku, PhD	Member
Benedict R. Lucchesi, MD, PhD	Member
Jeffrey R. Martens, PhD	Member
Mariana Morris, PhD	Member
Carrie A. Northcott, PhD	Member
Hemal H. Patel, PhD	Member
Nancy J. Rusch, PhD	Member
Hugo Vargas, PhD	Member
Amy C. Arnold, PhD	Student/Fellow
Biny K. Joseph, PhD	Student/Fellow
Sarah M. Schumacher, BS	Student/Fellow
Hossam Shaltout, PhD	Student/Fellow
Susan Laychock, PhD	Council Liaison
Christine K. Carrico, PhD	Staff Liaison

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Have you moved, changed jobs, or graduated?
Be sure to keep ASPET informed of any changes.

You may update your information at www.aspet.org by logging in as a member or send us an email to:
rphipps@aspet.org

Journals

New Editorial Board Members

In June, the BPT approved Dr. Peter Swaan to serve as an associate editor for *Drug Metabolism and Disposition*. Dr. Swaan is with the University of Maryland, Baltimore.

In October, the BPT approved Prof. Clive Page to serve as an associate editor for *Pharmacological Reviews* and Dr. Rohini Kuner as an associate editor for *JPET*. Prof. Page is with the Sackler Institute of Pulmonary Pharmacology, Division of Pharmaceutical Sciences, King's College London. Dr. Kuner is with the Pharmacology Institute at the University of Heidelberg.

Dr. Hiroyuki Fukui and Dr. Michael Nader were approved to serve on the *JPET* Editorial Advisory Board. Dr. Fukui is with the Institute of Health Biosciences at the University of Tokushima Graduate School, and Dr. Nader is with the Wake Forest University School of Medicine.

BPT Passages

Dr. Edward T. Morgan's six-year term on the Board of Publications Trustees will come to an end on December 31. The BPT and ASPET thank Dr. Morgan for his dedicated and conscientious service to the Society through his work on the Board. He has provided valuable insight on a number of difficult issues and has been a reliable and steadfast BPT member during his tenure.

At its October meeting, the ASPET Council approved Dr. Kathryn E. Meier, PhD, to fill Dr. Morgan's vacated position on January 1. Dr. Meier is Director and Chair of the Program in Nutrition and Exercise Physiology at the College of Pharmacy, Washington State University. She received the Ph.D. degree from the University of Wisconsin, Madison. Dr. Meier has served or is currently serving on the editorial boards of the *Journal of Biological Chemistry*, *JPET*, *American Journal of Physiology (Cell Physiology)*, and *Molecular Pharmacology*. She has served as a manuscript reviewer for 18 journals and as a textbook reviewer. Dr. Meier has been an ASPET member since 1994. She has been active in the Society, serving as the chair of two symposia and a short course, the Molecular Pharmacology Division secretary/treasurer, and as a member of the Nominating Committee and the Short Course/Continuing Education Committee.

Staffing Changes

Dan Collinge, the senior editorial coordinator for *Molecular Pharmacology*, left ASPET in August to pursue a second master's degree while working part-time in his field of study. Because manuscript submissions have fallen across ASPET's three primary research journals, Dan will not be replaced. Erin Salb, who was the editorial coordinator for *DMD*, is now responsible for *Molecular Pharmacology*. Courtney Beardsworth used to work with Cassie Wood on *JPET* as an editorial assistant. Courtney was promoted to editorial coordinator and handles *DMD* while continuing to help with some *JPET* tasks.

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ASPET members get online access to all five journals. Be sure to activate your journals if you have not already done so. Staff at info@aspet.org will be happy to help.

Public Affairs/ Government Relations

FY 2011 began October 1 but final spending decisions on all 12 appropriations bills remained unresolved. To keep the government running, Congress has now passed two Continuing Resolutions (CR), the latest extends funding at FY'10 levels through December 18. There is talk about trying to pass an omnibus spending bill that the appropriations committees have been trying to cobble together (an omnibus bill would roll all 12 bills into one). But it is unlikely that there are 60 votes in the Senate to pass an omnibus bill. ASPET members received a FASEB alert to contact Congressional members to encourage them to pass an omnibus bill that includes a $32 billion FY'11 budget for the NIH (a $1 billion increase over FY'10). This alert generated approximately 9,000 emails to Congress. However, Senate Minority Leader Mitch McConnell (R-Ky.) has said he would not support an omnibus spending package. And House Republicans continue their effort to push spending back to FY'08 levels. What happens after December 18? The best scenario is the most unlikely, an omnibus bill that has NIH at $32 billion. Good news would be an extended CR that could include an increase for NIH up to the $32 billion mark. But that too is unlikely to happen and NIH could see a final FY'11 mark at the FY'10 level. Bad news would be an extended CR that includes an across the board cut for programs including NIH, unless an exception is made for the agency. With FY'11 still unresolved it makes it difficult to plan for FY'12. But Washington is moving forward on potential budget decisions for FY'12. The Office of Management and Budget has asked federal agencies to submit their FY'12 budget requests 5% below the FY'11 figure (whatever that may be). House Republicans are proposing $100 billion in spending cuts. The biomedical research advocacy community is moving forward developing funding recommendations for NIH in FY'12. That recommendation will likely be in the $34-$35 billion range. This will be difficult to achieve given the tremendous deficit and debt reduction pressures that Congress says it must address. The justifications for increased funding will be there for ASPET members to make to their Congressional Representatives.

ASPET Symposium on FDA's Intersection with Pharmacology at EB'2011 in Washington, DC

All ASPET members and others attending the 2011 Experimental Biology meeting in Washington, DC are invited to attend an interesting symposium: **Promise and Partnership: FDA's Critical Path Initiative and its Intersection with Pharmacology.** The agenda and featured speakers include:

How Pharmacology & Toxicology Can Help Meet the Demands of FDA's Expanding Scientific Portfolio: Vicki Seyfert-Margolis, Senior Advisor to the Office of the Chief Scientist, Director of FDA's Critical Path

Need for Improved Clinical Trial Design and Improved Standardization of Clinical Trial Data to Improve Public Health Measures: Robert Temple, Deputy Director for Clinical Science, CDER, FDA

Application of Advanced Imaging Technologies in Drug Development and Clinical Trial Design: Richard Hargreaves, Merck and Co. VP Worldwide Head of Discovery Neuroscience, West Point, PA

Bioinformatics and Pharmacoepidemiology: Making Sense of Data: Darrell Abernethy, Associate Director for Drug Safety, FDA

Systems Biology and Drug Development: Jeremy Berg, NIGMS Director

Progress in Biomarkers and Translational Strategies for Drug Development: Janet Woodcock, Director, CDER, FDA

The symposium is chaired by Michael F. Jarvis of Abbott Laboratories and is sponsored by the ASPET Division for Drug Discovery, Development and Regulatory Affairs, and ASPET's Public Affairs Committee.

ASPET Revised Stem Cell Statement of Support

In November, ASPET Council approved a revised Statement in Support of Stem Cell Research. The Statement below updates an original approved by ASPET Council in 1999.

Human adult and embryonic stem cell research has the potential to introduce transformative therapeutic strategies. The National Institutes of Health and the Food & Drug Administration have developed rigorous guidelines and oversight for any research or treatment involving stem cells.

The American Society for Pharmacology and Experimental Therapeutics (ASPET) supports the use of federal funding for research utilizing human adult and embryonic stem cells in accordance with the regulatory and ethical framework established through the National Institutes of Health.

For over a decade, research involving human adult and embryonic stem cells has contributed to signature advances in regenerative medicine, bio-pharmacology, and cell-based therapeutics. Continued research in this field is setting the stage for the development of novel therapeutic strategies directed to the treatment of a number of degenerative diseases including Parkinson's disease and macular degeneration as well as diabetes and spinal cord injury. Continued federal support of research involving embryonic stem cells is essential for this vision to be realized and this work will provide new opportunities to treat some of our most intractable, deadly and costly diseases providing hope to millions.

DON'T FORGET TO PAY YOUR 2011 ASPET MEMBERSHIP DUES

LOG IN ONLINE AT: WWW.ASPET.ORG

ANY QUESTIONS, CONTACT: RPHIPPS@ASPET.ORG

MEMBERS IN THE NEWS

V.C. Jordan, PhD, has been appointed to the Susan G. Komen for the Cure® Scientific Advisory Council. Jordan is the scientific director and vice chairman of the Department of Oncology at the Lombardi Comprehensive Cancer Center at Georgetown University Medical Center. According to Komen, appointment to the council is reserved for those who have a distinguished record of leadership and commitment to breast cancer research, as well as innovative contributions to breast cancer advancements.

Originally published in *ASBMB Today, October 2010*

Daniele Piomelli, PhD, Louise Turner Arnold Chair in Neurosciences and Professor of Pharmacology at the University of California, Irvine, is the recipient of one of the first-ever National Institute on Drug Abuse Avant-Garde Awards for Innovative Medication Development Research. Piomelli will receive $500,000 per year for five years to support his research. Piomelli plans to use the award to pursue a medication for smoking cessation using a novel approach of targeting the endogenous cannabinoid system. He will identify and optimize compounds that inhibit an enzyme called fatty acid-amide hydrolase, which degrades the endocannabinoid anandamide. Animal studies have shown that blocking FAAH reduces nicotine self-administration and prevents nicotine-induced reinstatement, a model of relapse.

Originally published in *ASBMB Today, November 2010*

Congratulations to **Linda S. Birnbaum, PhD,** and **Raymond J. Dingledine, PhD,** for their election to the Institute of Medicine.

Share with Us and the ASPET Membership…

Your Announcements, Promotions, Achievements, and News

Please send us your news, along with a picture to:

Suzie Thompson, sthompson@aspet.org

STAFF NEWS

Angelique Raptakis joined ASPET's staff as Meeting Manager on July 1, 2010. Since the summer, she has been working diligently in planning and organizing the Annual Meeting at Experimental Biology 2011 in Washington, DC. Angelique will be on site at next year's meeting and will be happy to help with any meeting questions. In her spare time, Angelique is an avid nature photographer and her talented works can be seen on her website www.araptakis.com

ASPET WELCOMES THE FOLLOWING NEW MEMBERS:

REGULAR MEMBERS:

Anson K. Abraham, PhD, Pfizer Inc
Ethan J. Anderson, PhD, Brody School of Medicine, East Carolina Univ
Pieter P. Annaert, PhD, Katholieke Univ Leuven
Luke H. Bradley, PhD, Univ of Kentucky College of Medicine
Tim Brayman, Sigma-Aldrich
Kiranam Chatti, PhD, Institute of Life Sciences
Chih-liang Chin, PhD, Abbott Laboratories
Michael A. Collins, PhD, Loyola Univ Chicago Stritch School of Medicine
Chris G. Dealwis, PhD, CWRU
Gregory M. Dick, PhD, West Virginia Univ
Abir T. El-Alfy, PhD, Chicago State Univ
Hany M. El-Bassossy, PhD, Zagazig Univ
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Alice F. Ford-Hutchinson, PhD, Merck
Ming Gao, MD, PhD, Univ of Maryland
Mikel Garcia-Marcos, PhD, Univ of California-San Diego
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A. Laurel Gorman, PhD, UCF
Donovan C. Haines, PhD, Sam Houston State Univ
Zhenfu Han, PhD, Washington Univ-St. Louis
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Eileen J. Kennedy, PhD, Univ of Georgia
Jonghan Kim, PhD, Harvard Univ
Gregory M. Lanza, MD, PhD, Washington Univ School of Medicine
Michael W. Lee, PhD, Univ of Central Florida
Yong-Hee Lee, PhD, Ligand Pharmaceuticals
L.M. F. Leeb-Lundberg, Lund Univ
Pamela A. Lucchesi, PhD, Nationwide Children's Hospital
Patricia McDonald, PhD, Scripps Research Institute
Reza Mehvar, PhD, Texas Tech Univ Health Sciences Center
Rajesh Mohanraj, PhD, National Institutes of Health - NIAAA
Susan L. Mooberry, PhD, Univ of Texas Health Science Center-San Antonio
Edward J. Neafsey, PhD, Loyola Univ Chicago Stritch School of Medicine
Linda Porrino, Wake Forest Univ
Rithwik Ramachandran, PhD, Univ of Calgary
Shasta L. Sabo, PhD, Case Western Reserve Univ
Prabodh Sadana, PhD, NEOUCOM
Kazuko Sakata, PhD, Univ of Tennessee HSC College of Medicine
James J. Sasanya, PhD, Joint FAO/IAEA
Claus Schneider, PhD, Vanderbilt Univ Medical Center
John M. Seubert, PhD, Univ of Alberta Faculty of Pharmacy & Pharmaceutical Sciences
Marion B. Sewer, PhD, Univ of California-San Diego
Naj Sharif, PhD, Alcon Research, Ltd
Alex C.h. Vo, PhD, Oncothyreon Inc.
Achim Wach, PhD, Polyphor Ltd

Michelle D. Walker, PhD, Drug Enforcement Administration
Jie Wang, PhD, BD Biosciences
Petrine Wellendorph, PhD, Univ of Copenhagen
Sudhirkumar Yanpallewar, MD, National Cancer Institute
Yueh-Chiao Yeh, PhD, Graduate Institute of Natural Healing Sciences
Benjamin D. Zeitlin, PhD, Univ of the Pacific School of Dentistry
Shufeng Zhou, MD, PhD, Univ of South Florida
Robert E. Zipkin, PhD, Enzo Life Sciences International Inc

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Melissa Branham-O'Connor, PhD, Medical Univ of South Carolina
Bethany R. Brookshire, PhD, Univ of Pennsylvania
Chi-Tso Chiu, PhD, National Institute of Mental Health, National Institutes of Health
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Ross Corriden, PhD, Univ of Nottingham
Fabrice Dabertrand, PhD, UVM College of Medicine
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Steven G. Kinsey, PhD, Virginia Commonwealth Univ
Susruta Majumdar, PhD, Memorial Sloan-Kettering Cancer Center
Gloria E. Malpass, PhD, Wake Forest Univ Health Sciences
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Jennifer Yeung, Thomas Jefferson Univ
Samet Serdar Yildirim, Ankara University Faculty of Medicine
Lianghui Zhang, University of Rochester Medical Center
Yingzi Zhao, The University of Hong Kong
Qian Zou, The University of Hong Kong

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Renato D. Chiovatto, ABC School of Medicine
Jee Su Choi, Univ of North Carolina-Chapel Hill
Brian J. Davis, Indiana Univ
Kenneth W. Drombosky, Duquesne Univ
Amanda Fitzgerald, Christian Brothers Univ
Katiria Flores, Univ of Puerto Rico
Derek A. Franklin, Univ of North Carolina-Chapel Hill
Dominique Garcia-Robles, Christian Brothers Univ
Phillip Geter, Univ of Maryland
Alicia Humphrey, California State Univ-Sacramento
Miki Kodaka, Osaka Univ
Stefan Leo-Nyquist, St. Lawrence Univ
Uche Maduka, Univ of Iowa
Minette Malinao, Mt St Mary's College
Tricia B. McCutchan, Case Western Reserve Univ
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Amanda B. Natter, Univ of Toledo
Michael Nieves, St. Lawrence Univ
Laurel M. Oldach, Univ of North Carolina-Chapel Hill
Om P. Paliwal, RNT Medical College
Mimi Pham, Tulane Univ
Connie Qiu, Columbia Univ
Rachel Reiff, Emory Univ
Rachel Riendeau, Trinity College
Joshua Salmon, Dutchess Community College

NEW ASPET MEMBERS

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Ailton Spiacci
Meagan C. Sullivan, Univ of Notre Dame
Tracey Suter, Trintiy College
Lily Tan, Univ de Montreal
Idrees Tariq, Univ of the Virgin Islands
Anna Tien, Tulane Univ
Nicholas V. Ullmann, Purdue Univ
Vanessa Walker, Christian Brothers Univ
Eric J. Wigton, Colorado College
Tiffany Williams, Winston-Salem State Univ
Peter D. Young, Univ of the Sciences in Philadelphia

ASPET notes with sympathy the passing of the following members:

S.C. Alexander, MD

John J. Burns, PhD

Merrill J. Egorin, MD

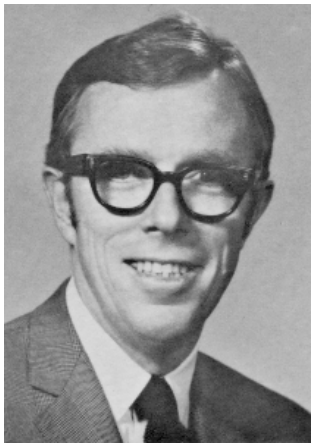
George C. Fuller, PhD

Clive V. Greenway, PhD

Robert C. Haynes, MD, PhD

Roy L. Mundy, PhD

John I. Munn, PhD



John J. Burns, PhD (1920-2007)

Dr. John J. Burns, a legend in pharmaceutical industry research and an outstanding scientist in his own right, died on 29 July 2007. Born in Flushing, New York, on 8 October 1920, he was a graduate of Queens College with a BS degree in 1942, and from Columbia University in 1950 with a PhD degree. During World War II, he served in the US Army where he was assigned to a research group developing new anti-malaria drugs.

During his years as Vice President and Director of Research at Burroughs Wellcome and Hoffman La Roche, Dr. Burns supported basic research more than any other pharmaceutical executive, both within his company as well as in the academic community. One of his most outstanding contributions was the establishment of the Roche Institute of Molecular Biology. This institute, which earned a worldwide reputation for outstanding research is one of John's legacies. John's view that great basic research would always lead to practical results was confirmed when a collaboration between the Roche Institute and Genentech led to the development of important drugs, and many years later, to Roche owning a controlling interest in this now major biotechnology company.

In his earlier years, John did outstanding research and was the author of several hundred original research papers.

Dr. Burns did much of the early pioneering work on the biosynthesis and metabolism of vitamin C (ascorbic acid). He demonstrated that ascorbic acid is formed in the rat by the following steps: glucose or galactose, D-glucuronolactone, L-gulonolactone, L-ascorbic acid, and he demonstrated that man, monkey and the guinea pig lacked the ability to metabolize gulonolactone to ascorbic acid, which explains why these species require ascorbic acid to prevent scurvy. Dr. Burns found that the half-life of ascorbic acid was 4 days in guinea pigs, compared with about 18 days in man. The longer half-life of ascorbic acid in humans explains why they require a much longer time to develop scurvy than the guinea pig.

Dr. Burns' fundamental studies in the area of drug metabolism helped explain the multiple action of certain drugs. His metabolic studies identified metabolites with high biological activity, which have later been used in the medical profession for the treatment of various diseases. Dr. Burns showed that in man phenylbutazone is converted to two major metabolites. One product is formed by the introduction of a phenolic group in the para position of a benzene ring (metabolite I), and the other by the introduction of an alcohol group on the butyl side chain (metabolite II). Metabolite I has the potent antirheumatic and sodium-retaining effects of phenylbutazone, whereas metabolite II possesses little sodium-retaining and antirheumatic properties, but is considerably more potent as a uricosuric agent. These two metabolites can explain the antirheumatic, sodium-retaining and uricosuric activities that are observed when phenylbutazone is administered to man. Metabolite I (oxyphenbutazone, tandearil) has been used in man as a potent antirheumatic agent in acute gout and rheumatoid arthritis, and a sulfoxide metabolite (sulfinpyrazone) of a thio-ether derivative of phenylbutazone is a potent uricosuric agent that is useful for the treatment of chronic tophaceous gout. Sulfinpyrazone was identified by Dr. Burns as a urinary metabolite of the thio-ether derivative of phenylbutazone. The extensive studies by Dr. Burns and his associates on the metabolism and pharmacological activities of phenylbutazone and its analogs have markedly enhanced our knowledge of the pharmacology of these compounds, and were early studies indicating the metabolism of drugs to active metabolites.

As part of his research on phenylbutazone, which was published in the *American Journal of Medicine* in 1954, Dr. Burns compared the anti-inflammatory action of this drug with the steroid cortisone, and observing the similarity in mechanism of action between the two compounds, used the term "nonsteroidal anti-inflammatory"

to describe phenylbutazone. This was the first use of this term, which is commonly used today to describe drugs such as motrin, aleve and celebrex.

Dr. Burns performed pioneering research on species differences in the rates and pathways of metabolism of phenylbutazone, oxyphenbutazone, ethylbiscoumacetate, meperidine and ascorbic acid. The results of these studides emphasized the difficulties involved in extrapolating drug metabolism data from one species to another, and from animals to man. Dr. Burns also performed pioneering research on individual variations in human drug metabolism. He found a greater than 10-fold variation in the rate of metabolism of ethyl biscoumacetate (tromexan) among different human subjects and about a four-fold difference in the rates of metabolism of phenylbutazone in different subjects. There are now many examples of drugs that are metabolized at different rates in different patients. Because of person-to-person differences in drug metabolism, some human subjects metabolize a drug so rapidly that therapeutically effective blood levels are never achieved, whereas other individuals metabolize the same drug so slowly as to result in toxic side effects. These were early studies on person-to-person differences in the metabolism of drugs.

Dr. Burns found that administration of several drugs such as chloretone and barbiturates, as well as polycyclic aromatic hydrocarbons, stimulates the metabolism of glucose and galactose via the glucuronic acid pathway to glucuronic, gulonic and ascorbic acid, and he found that those drugs that stimulated ascorbic acid biosynthesis also stimulated the liver microsomal metabolism of drugs.

Dr. Burns was the first to demonstrate the clinical importance of microsomal enzyme induction. He provided early evidence that enzyme induction decreased the action of drugs in both animals and man. Dr. Burns demonstrated that chronic administration of several drugs to rats or dogs stimulated the drugs' own metabolism and decreased their toxicity. These studies have had an important impact on both the interpretation and design of chronic toxicity tests. Studies by Dr. Burns also demonstrated the usefulness of microsomal enzyme induction and inhibition as tools for determining whether drugs are active *per se* or require metabolism to an active metabolite.

In addition to the fundamental research contributions which are described above, Dr. Burns has made enormous contributions to pharmacology and toxicology in the United States and abroad by his leadership role in the affairs of the American Society for Pharmacology and Experimental Therapeutics, the International Union of Pharmacology, the American College of Neuropsychopharmacology, the Committee on Problems of Drug Safety of the National Academy of Sciences, as Senior Consultant to the Pharmacology-Toxicology Program, National Institute of General Medical Sciences, and as a consultant to many other groups. Dr. Burns was elected for membership in the National Academy of Sciences in 1975 because of his important contributions to science.

In addition to the above contributions to pharmacology and toxicology, Dr. Burns while directing research at Burroughs Wellcome and at Hoffman La Roche was instrumental in the discovery and/or development of drugs such as levodopa (Parkinson's), rocaltrol (kidney dialysis), accutane (cystic acne), limbitrol (depression), versed (anesthesia) and interferon (hepatitis).

Dr. Burns served as Adjunct Professor of Pharmacology at the Weill Medical College of Cornell University. He also was a scientific advisor to a number of new biotechnology companies. Dr. Burns was a member of the Institute of Medicine, served as President of the American Society for Pharmacology and Experimental Therapeutics, and as President of International Union of Pharmacology. In 1974, Dr. Burns was a member of the Herbal Pharmacology Delegation to the People's Republic of China, and in 1973 was a member of the Panel on Chemistry & Health of President Nixon's Scientific Advisory Committee. Dr. Burns was a member of the Steering Committee of the National Academy of Sciences/Institute of Medicine that developed the National Strategy for AIDS. In 1987, he was awarded Honorary Membership in the Japanese Pharmacology Society.

In 1987, he received an Honorary Doctor of Science degree from Queens College on the occasion of the College's 50th anniversary celebration.

Neuropsychopharmacology (2008) **33**, 458-459; doi:10.1038/sj.npp.1301582
Ronald Kuntzman, Rye Brook, NY, USA and Allan Conney, Rutgers University, Piscataway, NJ, USA

George C. Fuller, PhD (1937 – 2010)

George Charles Fuller, 73, passed away on Thursday, September 23, 2010.

He was Professor Emeritus, Wayne State University, where he had also served as Dean of the College of Pharmacy and Allied Health Professions. He remained active providing leadership service to advisory boards of the PhRMA Foundation and the University of Rhode Island.

Born on May 15, 1937 to Winifed E. Fox Fuller and George Kendall Fuller in Detroit, Dr. Fuller earned his B.S in pharmacy (59) and M.S. (63) from Wayne State University and a PhD in pharmacology from Purdue in 1966. Dr. Fuller spent the next 15 years at the University of Rhode Island as Professor of Pharmacology and Toxicology and Lecturer in the Department of Medicine at Brown University.

While a student at WSU, he met his wife of 51 years, Margery Linton. They lived in Grosse Pointe Park for the past 22 years and were active members of the Grosse Pointe Memorial Church.

Dr. Fuller's hobbies included playing bridge and reading. He had a love for sailing that started when he taught his family to sail off the coast of Rhode Island. He continued sailing here on Lake St. Clair and was an active member in the Grosse Pointe Sail Club, serving as editor of the Anchorline.

Dr. Fuller's memberships were numerous and included the American Society for Pharmacology and Experimental Therapeutics, Society of Toxicology, American Association for Study of Liver Disease, American Association for the Advancement of Science, the New York Academy of Science and the Rho Chi Society, the national honors society for pharmacy. He received the distinguished alumni awards from both WSU and Purdue University.

During his career, he published 85 original scientific articles and book chapters. He also held two U.S patents. He was a preceptor for both graduate and postdoctoral students and taught pharmacology and toxicology.

During his Deanship at the WSU College of Pharmacy from 1988 to 2000, Dr. Fuller's commitment and vision lead to the creation of the new pharmacy and health sciences building which opened in 2002.

He is survived by his wife, Margery; his children, G. Mark Fuller of Oregon, Julie (James) Joiner of Olympia, Washington and Jeffrey (Connie) of Chesterfield, MI; his sister Dorothy Fortuna of Warren, MI; and his grandchildren, Kelly, Ryan, Zachary and Helayna.

APS Announces the 2011
Rita Allen Foundation Award in Pain

The Rita Allen Foundation and the American Pain Society announce a call for applications for the 2011 *Rita Allen Foundation Award in Pain*. The RAF and APS may award two grants in the amount of $50,000 annually, for a period of up to three years to those research proposals demonstrating the greatest merit and potential for success.

Candidates must have completed their training and provided persuasive evidence of distinguished achievement or extraordinary promise in **basic science research in pain**. Candidates should be in the early stages of their career with an appointment at a faculty level. The entire award is to be allocated to projects specifically chosen by the recipient. Overhead is not supported.

Deadlines:
Applications may be submitted online by visiting http://www.connect2conferences.com/aps4/ and will be due by midnight January 17, 2011. Grant awards will be announced in April, 2011. Funds will be awarded for the initial 12 month grant period that will begin upon satisfactory execution of the grant agreement between the RAF and the grant recipient's institution. Applications will be reviewed by a Scientific Advisory Committee of APS and RAF. The committee will not provide a review of unsuccessful applications.

Research Topics:
Proposed research projects should be directed toward the molecular biology of pain and/or basic science topics related to the development of new analgesics for the management of pain due to terminal illness.

General Information
The application must include a written proposal in English of no more than 7 pages including references and a curriculum vitae including the candidate's address and telephone numbers. The candidate's application must include letters of support from five people acquainted with the candidate's research. At least two of the support letters should come from individuals outside of the candidate's institution. In addition, a letter from the appropriate administrators and the Department Chair or Institute Head is required and must demonstrate strong support for the candidate's proposed research and career development. The candidate will provide the email contact information for the individuals that support the candidate's proposed research. Each individual will be contacted by the online system requesting that their letters of support be uploaded directly into the candidate's application.

The candidate should list current and pending research support from all sources. The application process, including the electronic submission of all letters, is online at www.connect2conferences.com/aps4/

Eligibility:
To be eligible for the *Rita Allen Foundation Award in Pain* the applicant:

- Must demonstrate the strong support of the appropriate administrators and Department Chair or Institute Head.
- Candidates should have been on a tenure track for no more than three years and support will be reconsidered if a Rita Allen Foundation Scholar is awarded tenure.
- Must conduct the research and be appointed at an institution in the United States or Canada.

Grant Budget and Grantee Obligations:
- Eligible grant expenses may include Principle Investigator salary but not institutional overhead.
- Recipients are required to submit a 500 word annual progress report and a financial report to the RAF in accordance with the terms of the grant agreement.
- Investigators are required to present an abstract presentation of the sponsored research at a future Annual Meeting of the APS.

For additional information contact APS at 847-375-4715 or info@ampainsoc.org.

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 one (1) Regular or Retired ASPET member.

Postdoctoral Members: Any qualified person who has received their Ph.D. or equivalent degree in pharmacology or a related field within the past five years is eligible for Postdoctoral membership. Individuals may remain in the Postdoctoral Membership category for a maximum of five (5) years from the date of receipt of their PhD (or equivalent) degree after which time they must upgrade to Regular Membership. Applicants for Postdoctoral membership must be sponsored by one (1) Regular or Retired ASPET member.

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 for corresponding authors to publish in ASPET journals – pay $40/page instead of $80/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.

Postdoctoral Members (Dues $70) have all the benefits of Regular Members.

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 that 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.

2011 Member Publication Subscription Rates

- *Journal of Pharmacology and Experimental Therapeutics* (Monthly) - $220/year
- *Pharmacological Reviews* (Quarterly) - $89/year
- *Drug Metabolism and Disposition* (Monthly) - $151/year
- *Molecular Pharmacology* (Monthly) - $180/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/membership/apply**. 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**.

Sponsor Statements: Submit a statement of qualifications of the applicant from one Regular/Retired Member of ASPET for Regular Membership, Affiliate Membership and Student Membership (Affiliate Members may also sponsor student applicants). In addition to the statement certifying that the applicant is qualified for ASPET membership, sponsors should provide their 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.

American Society for Pharmacology and Experimental Therapeutics
9650 Rockville Pike, Bethesda, MD 20814-3995 USA
Phone: 301-634-7060 ♦ Fax: 301-634-7061 ♦ www.aspet.org

Membership Application – T1210

Please Complete All Sections:

Section 1: Application Details

Application for:

❑ **Regular Membership**

❑ **Affiliate Membership**

❑ **Postdoctoral Membership – Date of Graduation:** _____

❑ **Graduate Student – Expected Date of Graduation:** _____

❑ **Undergraduate Student - Year:** ❑ **Fr** ❑**Soph** ❑**Jr** ❑**Sr**

Section 2: Source

How did you hear about ASPET:

❑ **Meeting** _____

❑ **ASPET Journal** _____

❑ **Mentor** _____

❑ **Website** _____

❑ **Other** _____

Section 3: Personal Information

Name:

Institution:

Mailing Address:

Telephone:

Fax:

Email:

Section 4: Optional Demographics (Not Required)

Date of Birth: _____

Sex: ❑ Female ❑ Male

Ethnicity:

❑ Asian

❑ Black or African American

❑ American Indian or Alaskan Native

❑ Hispanic or Latino

❑ Native Hawaiian or Pacific Islander

❑ White

❑ Other: _____

The information in this section will be used by ASPET to collate statistics and will be kept private. Completion of this section is voluntary.

Section 5: Sponsor (Must be an ASPET Member)

Name and email of your sponsor:

Please have your sponsor send us a brief letter or e-mail outlining your qualifications for Membership in ASPET to the Membership Coordinator , Robert Phipps, (rphipps@aspet.org).

Section 6: Division Selection

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:

___Division for Behavioral Pharmacology
___Division for Cardiovascular Pharmacology
___Division for Drug Discovery, Development & Regulatory Affairs
___Division for Drug Metabolism
___Division for Integrative Systems, Translational & Clinical Pharmacology
___Division for Molecular Pharmacology
___Division for Neuropharmacology
___Division for Pharmacology Education
___Division for Toxicology

Section 7: Curriculum Vitae

Regular, Affiliate, and Graduate Student applicants: Please send your *Curriculum Vitae* (including bibliography) by email to the Membership Coordinator, Robert Phipps, (rphipps@aspet.org).

Undergraduate Student Applicants Only:

Current Education :

Expected Degree & Date: School: City/State/Country: Major Field:

Applications are reviewed on a rolling basis. Please DO NOT submit payment with your application.
Upon membership approval, you will be sent a dues statement and welcome package.
Student Membership is FREE for the first year.

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