

# AWARDS AND DESCRIPTIONS

In recognition of distinguished toxicologists and students, SOT presents several prestigious awards each year. In addition to receiving the award stipend and plaque, recipients are honored at a special Awards Ceremony at the SOT Annual Meeting and their names are listed in SOT publications. **The deadline for 2007 award nominations is October 9, 2006.**

The Awards Committee reviews applications for SOT Awards and Sponsored Awards. Nominations for most of these awards must be submitted by a sponsor and a seconder who are full members of SOT using the On-Line Award Nomination Form. The supporting documentation must indicate the candidate's achievements in toxicology and is critical in the review of each application. See the award description for the additional requirements for some of the awards, including the Sponsored Awards. The Best Paper Awards are reviewed by the Board of Publications.

Student awards, both SOT and Sponsored Awards, are reviewed by the Awards Committee, and application procedures are specific for each award. Other student awards are available through Regional Chapters and Specialty Sections. A student may apply for any award for which he or she is eligible and may apply for and receive multiple awards, whether SOT, Regional Chapters, or Specialty Sections sponsor the awards. Policies related to travel awards are determined by the sponsor (SOT, Regional Chapter, or Specialty Section). Students may only receive one SOT-National travel award.

Full descriptions of all awards, awards no longer being offered, application procedures, and names of past recipients may be found on the SOT Web site at [www.toxicology.org](http://www.toxicology.org).

## Award Descriptions



*Indicates an SOT Sponsored Award*



### Achievement Award

\* Deceased

The Achievement Award is presented to a member of the Society of Toxicology who has less than 15 years experience since obtaining his/her highest earned degree (in the year of the Annual Meeting of the Society of Toxicology) and who has made significant contributions to toxicology. This award consists of a plaque and a cash stipend.

#### Award Recipients

1967	.....Gabriel L. Plaa	1986	..... Sam Kacew
1968	.....Allan H. Conney	1987	.....James S. Bus
1969	.....Samuel S. Epstein	1988	.....Jeanne M. Manson
1970	.....Sheldon D. Murphy*	1989	.....James P. Kehrer
1971	.....Yves Alarie	1990	.....Michael P. Waalkes
1972	.....Robert L. Dixon*	1991	.....Debra Lynn Laskin
1973	.....(No Award)	1992	.....Michael P. Holsapple
1974	.....Morris F. Cranmer	1993	.....David L. Eaton
1975	.....Ian C. Munro	1994	.....James L. Stevens
1976	.....Curtis D. Klaassen	1995	.....Lucio G. Costa
1977	.....James E. Gibson	1996	.....Kenneth S. Ramos
1978	.....Raymond D. Harbison	1997	.....Kevin E. Driscoll
1979	.....Michael R. Boyd	1998	.....Rick G. Schnellmann
1980	.....Philip G. Watanabe*	1999	.....Michel Charbonneau
1981	.....(No Award)	2000	.....Christopher Bradfield
1982	.....Frederick P. Guengerich	2001	.....Martin A. Philbert
1983	.....(No Award)	2002	.....Ruth A. Roberts
1984	.....Melvin E. Andersen	2003	.....Lois D. Lehman-McKeeman
1985	.....Alan R. Buckpitt	2004	.....David C. Dorman
		2005	.....(No Award)
		2006	.....Jose E. Manautou

# AWARDS AND DESCRIPTIONS



## Arnold J. Lehman Award

The Arnold J. Lehman Award is presented to recognize an individual who has made a major contribution to risk assessment and/or the regulation of chemical agents, including pharmaceuticals. The contribution may have resulted from the application of sound scientific principles to regulation and/or from research activities that have significantly influenced the regulatory process. The nominee may be employed in academia, government, or industry and must be a SOT member. This award consists of a plaque and a cash stipend.

### Award Recipients

1980	.....	Allan H. Conney
1981	.....	Gabriel L. Plaa
1982	.....	Gary M. Williams
1983	.....	David P. Rall
1984	.....	Tibor Balasz
1985	.....	Frederick Coulston*
1986	.....	Gerrit Johannes Van Esch
1987	.....	John P. Frawley
1988	.....	Kundan S. Khera*
1989	.....	Richard H. Adamson
1990	.....	Harold C. Grice
1991	.....	Bernard A. Schwetz
1992	.....	Roger O. McClellan
1993	.....	Thomas W. Clarkson
1994	.....	Bruce Ames
1995	.....	Emil A. Pfitzer
1996	.....	John F. Rosen
1997	.....	(No Award)
1998	.....	Helmut Alfred Greim
1999	.....	(No Award)
2000	.....	Carole A. Kimmel and Janardan K. Reddy
2001	.....	Samuel M. Cohen
2002	.....	Dennis Paustenbach
2003	.....	Michael L. Dourson
2004	.....	Melvin E. Andersen
2005	.....	Rory B. Conolly
2006	.....	Kathryn R. Mahaffey

## AstraZeneca Traveling Lectureship Awards

The AstraZeneca Traveling Lectureship Awards are presented through the Society of Toxicology to recognize excellence in research and service in toxicology. AstraZeneca, Ltd., provides one or two awards annually to promote greater collaboration between European and North American toxicologists and to enable North American toxicologists to undertake a three-four week lecture tour of Europe. The awards are intended to familiarize recipients with research and regulatory issues in Europe as well as bring a North American perspective to these issues. Candidates for these awards should be established, mid-career North American scientists who are members of the Society and who demonstrate the ability to develop collaborative relationships with European colleagues. The awards are given each year in the amount of \$6,000 each.

### Award Recipients

1990	.....	Robert I. Krieger, Joseph R. Landolph
1991	.....	Sam Kacew
1992	.....	Charles V. Smith, Jerold A. Last
1993	.....	Terrence James Monks, Harihara H. Mehendale
1995	.....	David L. Eaton, Hanspeter R. Witschi
1996	.....	Rick G. Schnellmann, James P. Kehrer
1997	.....	Lucio G. Costa, Durisala Desaiiah
1998	.....	Syed F. Ali, Curtis J. Omiecinski
1999	.....	Alvaro Pugo
2000	.....	Kenneth Ramos, Garold Yost
2001	.....	Ronald Hines, Richard Seegal
2003	.....	William D. Atchison
2004	.....	Charlene A. McQueen
2005	.....	Kevin M. Crofton
2006	.....	Robert A. Roth

# AWARDS AND DESCRIPTIONS



## Board of Publications Award

The Board of Publications Award for the Best Paper in *Toxicological Sciences* is presented to the author(s) of the best paper published in this official SOT publication during a 12-month period, terminating with the June issue of the calendar year preceding the Annual Meeting at which the award is presented. The author(s) need not be a member of the Society of Toxicology. Submissions should include a one-page summary of the paper's contribution to the science of toxicology and a copy of the article for which the nomination is being made. Any member of the Society may submit one title for consideration. In addition, the titles of no more than six papers to be considered are submitted by the editor of *Toxicological Sciences*. All papers submitted will be evaluated by the Board of Publications. This award consists of a plaque and a cash stipend. (This award was formerly known as the Frank R. Blood Award.)

## Best Paper in *Toxicological Sciences* (formerly published as *Fundamental and Applied Toxicology*)

### Award Recipients

1995	J. L. Larson, D. C. Wolf, B. E. Butterworth
1995	M. I. Luster, C. Portier, D. G. Pait, G. J. Rosenthal, D. R. Germolec, E. Corsini, B. L. Blaylock, P. Pollock, Y. Kouchi, W. Craig, K. L. White, A. E. Munson, C. E. Comment
1996	B. C. Allen, R. J. Kavlock, C. A. Kimmel, E. M. Faustman
1997	F. L. Fort, H. Ando, T. Suzuki, M. Yamamoto, T. Hamashima, S. Sato, T. Kitazaki, M. C. Matony, G. D. Hodgen
1998	D. D. Parrish, M. J. Schlosser, J. C. Kapeghian, V. M. Traina
1999	C. A. Franklin, M. J. Inskip, C. L. Baccanale, C. M. Edwards, W. I. Manton, E. Edwards, E. J. O'Flaherty
2000	H.A Boulares, C. Giardina, C.L. Navarro, E.A. Khairallah, S.D. Cohen
2001	Jinjiang Chen, Yunbo Li, Jackie A. Lavigne, Michael A. Trush, James D. Yager
2002	M.J. Bajt, J.A. Lawson, S.L. Vonderfecht, J.S. Gujral, H. Jaeschke
2003	S. Haddad, M. Beliveau, R. Tardif, K. Krishnan
2004	Urmila Kodavanti, Carolyn Moyer, Allen Ledbetter, Mette Schlasweiler, Daniel Costa, Russ Hauser, David Christiani, Abraham Nyska
2005	Nicole V. Soucy, Michael A. Ihnat, Chandrashekar D. Kamat, Linda Hess, Mark J. Post, Linda R. Klei, Callie Clark, Aaron Barchowsky
2006	Hiroshi Sawada, Kenji Takami, Satoru Ashai

## Best Paper in *Toxicology and Applied Pharmacology*

### Award Recipients

1995	M. F. Denny, M. F. Ware, W. D. Atchison
1996	T. A. Slotkin, C. Lau, E. C. McCook, S. E. Lappi, F. J. Seidler
1997	P. R. S. Kodavanti, T. R. Ward, J. D. McKinney, C. L. Waller, H. A. Tilson
1998	J. S. Landin, S. D. Cohen, E. A. Khairallah
1999	S. K. Ramaiah, M. G. Soni, T. J. Bucci, H. M. Mehendale,
1999	C. L. Zuch, D. J. O'Mara, D. A. Cory-Slechta
2000	J.E. Staples, N.C. Fiore, D.E. Frazier, Jr., T.A. Gasiewicz, A.E. Silverstone
2001	Barbara J. Mounho, Brian D. Thrall
2002	G.S. Ratra, S.G. Kamita, J.E. Casida
2003	J. Doorn, M. Schall, D. Gage, T. Talley, C. Thompson, R. Richardson

### Award Recipients (Frank R. Blood Award)

1974	Yves Alarie
1975	Donald J. Ecobichon, G. J. Johnstone, O. Hutzinger
1976	Richard D. Brown
1977	J. Dedinas, George D. DiVincenzo, C. J. Kaplan
1978	Perry J. Gehring, E. O. Madrid, G. R. McGowan, Philip G. Watanabe
1979	R. Fradkin, E. J. Ritter, W. J. Scott, James G. Wilson
1980	Jerold A. Last, Peter F. Moore, Otto G. Raabe, Brian K. Tarkington
1981	Yves Alarie, Martin Brady, Christine Dixon, Meryl Karol
1982	Melvin E. Andersen, Michael L. Gargas, Lawrence J. Jenkins, Jr., Robert A. Jones
1983	Henry D. Heck
1984	Erik Dybing, Sidney Nelson, Erik Soderlund, Christer Von Bahr
1985	Nobumasa Imura, Masae Inokawa, Kyoko Miura
1986	Calvin C. Wilhite, M. I. Dawson, K. J. Williams
1987	John Kao, Frances K. Patterson, Jerry Hall
1988	Debra L. Laskin, Sungchul Ji, Anne M. Pilaro
1989	R. G. Cuddihy, W. C. Griffith, Rogene F. Henderson, Joe L. Mauderly, Roger O. McClellan, M. D. Snipes, Ronald K. Wolff
1990	William P. Beierschmitt, Joseph T. Brady, John B. Bartolone, D. Stuart Wyand, Edward A. Khairallah, Steven D. Cohen
1991	Jay Babcock Silkworth, Daryl Cutler, LuAnn Antrim, Don Houston, Casimir Tumasonis, Laurence S. Kaminsky
1992	Donald A. Fox, Steve D. Rubinstein, Pauline Hsu
1993	Thomas Mably, Robert W. Moore, Robert W. Goy, Richard E. Peterson
1994	Susan J. Borghoff, William H. Lagarde

# AWARDS AND DESCRIPTIONS

## Colgate-Palmolive Grants for Alternative Research

The Colgate-Palmolive Grants for Alternative Research will identify and support efforts that promote, develop, refine, or validate scientifically acceptable animal alternative methods to facilitate the safety assessment of new chemicals and formulations. Scientists at any stage of career progression may submit a proposal.

High priority will be given to projects that use *in vitro* or non-animal models, reproductive and developmental toxicology, neurotoxicology, systemic toxicology, sensitization, and acute toxicity.

Applications can be for a single year or multi-year, and candidates can reapply for additional funding each year. The maximum award in any one year will not be greater than \$40,000. Awards are made as a single lump payment. An expert panel from the SOT *In Vitro* Specialty Section will recommend a prioritized list of applicants for funding, with the final awards designated by the SOT Awards Committee.

### Award Recipients

2006 ..... Rola Barhoumi, Abby Benninghoff,  
..... Jodie Flaws, Courtney Sulentic,  
..... Xiaouzhong Yu

## Colgate-Palmolive Post-Doctoral Fellowship Award in *In Vitro* Toxicology

The Colgate-Palmolive Company sponsors the Colgate-Palmolive Post-Doctoral Fellowship Award in *In Vitro* Toxicology through the Society of Toxicology to advance the development of alternatives to animal testing in toxicological research. The award is given in alternate years and includes stipend and research-related costs (up to \$38,500) for one year. The award may be extended for an additional year upon agreement between Colgate-Palmolive and the post-doctoral fellow. The award is available to post-doctoral trainees employed by academic institutions, federal/national laboratories, or research institutes worldwide. Preference will be given to applicants in their first year of post-doctoral study. Applications are due in even calendar years and the fellowship is awarded for the following year. The next application deadline: October 9, 2006.

### Award Recipients

1988 ..... Ernest Bloom  
1989 ..... Gin Hsieh  
1990 ..... Dennis E. Chapman  
1991 ..... Anne Walsh  
1992 ..... Qin Chen  
1993 ..... Erika Cretton  
1994 ..... William Chan  
1995 ..... Bob Van de Water

1997 ..... Alan Parrish  
1999 ..... Russell Thomas  
2001 ..... Kevin Kerzee, Christopher Reilly  
2002 ..... Kevin Kerzee  
2003 ..... Kimberly Miller  
2004 ..... Kimberly Miller  
2005 ..... Francis Tukov

## Colgate-Palmolive/SOT Awards for Student Research Training in Alternative Methods

The purpose of the Colgate-Palmolive/SOT Awards for Student Research Training in Alternative Methods is to enhance student research training using *in vitro* methods or alternative techniques to reduce, replace or refine use of animals in toxicological research. The Awards Committee will present the awards to graduate students. Up to five awards, at \$3,500 each, are available. Deadlines for applications are February 15, June 15, and October 9.

Graduate Students: The award is for expenses for training consistent with the goal of this award program. The training may include, but is not limited to, use of *in vitro* and *ex vivo* procedures, non-mammalian animal models, computer modeling, and structure-activity relationships. Graduate students may propose to develop expertise in such methodologies at 1) a laboratory away from their home institution; 2) a laboratory at their home institution that would not be available to them otherwise; or 3) approved workshops, symposia, or continuing education programs where hands-on training will be received. The training should help toxicology graduate students enhance their thesis or dissertation research. The overall goal is to support the replacement, reduction, or refinement of currently used animal models in toxicology research and testing. Awards of up to \$3,500 per student will defray travel, per diem, and training expenses.

### Award Recipients

2000 ..... Jason Gross  
2001 ..... Jason Biggs, Victoria Richards  
2002 ..... Kartik Shankar, Chad M. Vezina, Ryan L. Williams  
2003 ..... Sachin Devi, Midhun Korrapati, Pallavi Limaye  
2004 ..... Jaya Chilakapati  
2005 ..... Vishaka Bhawe, Ankur Dnyanmote,  
..... Johnathan Maher  
2006 ..... Mary Hassani, Prajakta Palkar

# AWARDS AND DESCRIPTIONS

## Colgate-Palmolive Traveling Lectureship in Alternative Methods in Toxicology Award

The Colgate-Palmolive Company sponsors the Colgate-Palmolive Traveling Lectureship in Alternative Methods in Toxicology Award annually through the Society of Toxicology. This award covers expenses for an individual scholar to visit institution(s) for the dissemination of knowledge and for stimulating research that takes advantage of modern *in vitro* toxicology approaches. The overall goal of this program is to make scientists aware of the benefits of modern *in vitro* toxicology approaches and to stimulate research for the replacement, reduction, or refinement of currently used animal models. The scholar may be asked to make a special presentation at the SOT Annual Meeting.

Lecturing scholars should be established, mid-career through late-career scientists who are members of SOT and who are developing collaborative relationships with scientists at other institutions.

Requests for funds can be made by the individual scholar or by organizations such as universities, colleges, SOT Specialty Sections and SOT Regional Chapters, and other toxicology organizations that are interested in inviting the scholar. Up to \$15,000 is available. The Awards Committee reviews the applications, which must be accompanied by a statement of the applicant's experience, a brief overview of the techniques to be discussed in the lecture, and a letter from the hosting institution(s) indicating their interest in serving as host and the potential benefits to the institution.

### Award Recipients

1996 ..... University of Mississippi Medical Center  
 Visiting Professor: ..... Tetsuo Satoh  
 1996 ..... University of Illinois at Urbana  
 Visiting Professor: ..... Julio Davila  
 1996 ..... Mississippi State University  
 Visiting Professor: ..... Michael Holsapple  
 1996 ..... Washington State University  
 Visiting Professor: ..... Daniel Acosta  
 1997 ..... Indiana University School of Medicine  
 Visiting Professor: ..... A. Jay Gandolfi  
 1997 ..... University of Arizona Health Science Center  
 Visiting Professor: ..... Kevin E. Driscoll  
 1997 ..... University of New Mexico Health Sciences Center  
 Visiting Professor: ..... Sam Kacew  
 1997 ..... University of Illinois  
 Visiting Professor: ..... Michael Denison  
 1998 ..... University of Washington  
 Visiting Professor: ..... Bruce Fowler  
 1998 ..... San Diego State University  
 Visiting Professor: ..... Leigh Ann Burns Naas  
 1999 ..... San Diego State University  
 Visiting Professor: ..... Robert Chapin  
 2000 ..... Yale University, School of Medicine  
 Visiting Professor: ..... Narendre Singh  
 2001 ..... Medical College of Wisconsin  
 Visiting Professor: ..... Garold Yost  
 2003 ..... Washington State University  
 Visiting Professor: ..... Marc W. Fariss

2004 ..... Snorri S. Thorgeirsson  
 Institution to be Visited: ..... University of  
 ..... Louisiana at Monroe



## Contributions to Public Awareness of the Importance of Animals in Toxicology Research Award

The Contributions to Public Awareness of the Importance of Animals in Toxicology Research Award is presented annually to an individual (or organization) in recognition of the contributions made to the public understanding of the role and importance of experimental animals in toxicological science. This award may be for either a single seminal piece of work or a longer-term contribution to public understanding of the necessity of the use of animals in toxicological research both to ensure and enhance the quality of human and animal health and the environment. The award consists of a plaque and a cash stipend.

### Award Recipients

2000 ..... Allegheny-Erie Chapter  
 2001 ..... Massachusetts Society for Medical Research  
 2002 ..... George Nethercutt  
 2003 ..... Michael Derelanko  
 2004 ..... North Carolina Association for  
 ..... Biomedical Research (NCABR),  
 ..... Americans for Medical Progress (AMP)  
 2005 ..... Orrin G. Hatch, Foundation for  
 ..... Biomedical Research (FBR)  
 2006 ..... Jayne Mackta

# AWARDS AND DESCRIPTIONS



## Distinguished Lifetime Toxicology Scholar Award

The Distinguished Lifetime Toxicology Scholar Award is presented to a member of SOT who has made substantial and seminal scientific contributions to the discipline of toxicology. The prime consideration for this award is scientific accomplishments and not necessarily service to the Society. This award consists of a plaque and a cash stipend. (This award was presented in 2001 as the Scientific Achievement Award.)

### Award Recipients

2001	James E. Troska
2003	Henry C. Pitot
2004	Gerald N. Wogan
2005	Daniel Nebert
2006	Sten G. Orrenius



## Education Award

The Education Award is presented to an individual who is distinguished by the teaching and training of toxicologists and who has made significant contributions to education in the broad field of toxicology. This award consists of a plaque and a cash stipend.

### Award Recipients

1975	Harold C. Hodge
1976	Ted A. Loomis
1977	Robert B. Forney
1979	Sheldon D. Murphy
1980	Herbert H. Cornish
1981	Frederick Sperling
1982	Lloyd W. Hazleton
1983	Julius M. Coon
1984	Frank Guthrie, Ernest Hodgson
1985	William B. Buck
1986	Robert I. Krieger
1987	Gabriel L. Plaa
1988	John Autian
1989	Tom S. Miya
1990	Charles H. Hine
1991	Hanspeter R. Witschi
1992	Dean E. Carter
1993	Curtis D. Klaassen
1994	Robert A. Neal
1995	William Carlton
1996	Robert Snyder
1997	Albert E. Munson
1998	David J. Holbrook
1999	Jules Brodeur
2000	Gary Carlson
2001	Harihara Mehendale
2002	Joseph Borzelleca
2003	Frederick W. Oehme

2004	A. Jay Gandolfi
2005	Nobuyuki Ito
2006	Robert A. Schatz



## Enhancement of Animal Welfare Award

The Enhancement of Animal Welfare Award is presented annually to a member of the Society in recognition of the contribution made to the advancement of toxicological science through the development and application of methods that replace, refine, or reduce the need for experimental animals. This award recognizes outstanding/significant contributions made by members of the Society of Toxicology to the sound and responsible use of animals in scientific research. The achievement recognized may be either a seminal piece of work or a long-term contribution to toxicological science and animal welfare. The award consists of a plaque and a cash stipend.

### Award Recipients

2000	Yves Alarie
2001	Alan Goldberg
2002	Gary Williams
2003	G. Frank Gerberick, Ian Kimber
2005	Daniel Acosta
2006	William S. Stokes

# AWARDS AND DESCRIPTIONS

## Graduate Student Fellowship Award—Novartis Award

The Graduate Student Fellowship—Novartis Award is available for student members of the SOT engaged in full-time graduate study towards a Ph.D. degree in toxicology. The major professor must be a SOT member. The evaluation is based primarily on originality of the dissertation research, research productivity, relevance to toxicology, scholastic achievement, and letters of recommendation. Finalists are interviewed at the Annual Meeting and receive travel support.

### Award Recipients

1989	Timothy Zacharewski
1990	Mary Suzanne Stefaniak
1991	Donald Bjerke
1992	Lhanoo Gunawardhana
1993	Christopher Martenson
1994	Nyla Harper
1995	Heather E. Kleiner
1996	Russell Thomas
1997	Melva Rios-Blancos
1998	Kent Carlson
1999	Mark Hickman
2000	Jeffrey Moran
2001	Vishal Vaidya
2002	Kartik Shankar
2003	Sachin Devi
2004	James Luyendyk
2005	Andrea W. Wong
2006	Sheung P. Ng

*(Recipients of Graduate Fellowship Awards no longer offered may be found on the SOT Web site at [www.toxicology.org](http://www.toxicology.org).)*



## Graduate Student Travel Support

Graduate Student Travel Support defrays expenses for students presenting platform talks or posters at the SOT Annual Meeting. To be eligible, the student must be a SOT member (or have submitted a membership application) who has not previously received SOT Graduate Student Travel Support.



## Honorary Membership

The Society of Toxicology recognizes non-members who embody outstanding and sustained achievements in the field of toxicology with the Honorary Member Award. Candidates are nominated by two voting or associate members of the Society. Seconding letters and information regarding career achievements in toxicology should accompany the nomination. A two-thirds vote of Council determines recipients, with not more than two Honorary Members elected during any one term of Council. Nominations should be sent to SOT Headquarters.

### Inductees

1962	Eugene M.K. Geiling*
1962	W. F. Von Oettingen*
1962	Torald H. Sollman*
1963	Ethel Browning*
1966	R. Tecwyn Williams*
1976	Norton Nelson*
1982	George H. Hitchings*
1986	Bernard B. Brodie*
1986	Herbert Remmer
1991	Hyman J. Zimmerman*
1994	Ronald W. Estabrook
1994	Wendell W. Weber
1995	Gertrude B. Elion*
1995	Charles S. Lieber
1996	Sten G. Orrenius
1996	Dennis Parke
1997	John E. Casida
1997	Roger W. Russell*
1998	Jud Coon
1998	Michel Mercier
1999	William O. Robertson
1999	Takashi Sugimura
2000	Findlay Russell
2001	Herbert Needleman

# AWARDS AND DESCRIPTIONS



## Merit Award

The Merit Award is presented to a member of the Society of Toxicology in recognition of a distinguished career in toxicology. This award consists of a plaque and a cash stipend. The recipient delivers the Merit Awardee Lecture at the SOT Annual Meeting.

### Award Recipients

1966	Henry F. Smyth, Jr.
1967	Arnold J. Lehman
1968	R. T. Williams
1969	Harold C. Hodge
1970	Don D. Irish
1971	Kenneth P. DuBois
1972	O. Garth Fitzhugh
1973	Herbert E. Stokinger
1974	William B. Deichmann
1975	Frederick Coulston*
1976	Verald K. Rowe*
1977	Harry W. Hays
1978	Julius M. Coon
1979	David W. Fassett
1980	Bernard L. Oser
1981	John H. Weisburger
1982	Harold M. Peck
1983	Perry J. Gehring*
1984	Tom S. Miya
1985	Carrol S. Weil
1986	Ted A. Loomis
1987	Bo Holmstedt
1988	Seymour L. Friess
1989	Wayland J. Hayes, Jr.*
1990	Sheldon D. Murphy
1991	Toshio Narahashi
1992	W. Norman Aldridge
1993	John Doull
1994	Ernest Hodgson
1995	Robert A. Scala
1996	Gabriel L. Plaa
1997	Mary O. Amdur
1998	John A. Thomas
1999	Thomas Clarkson
2000	Philippe Shubik*
2001	Donald Reed
2002	Bernard Schwetz
2003	M.W. Anders
2004	Robert Goyer
2005	Roger McClellan
2006	A. Wallace Hayes



## Minority Undergraduate Student and Advisor Awards

The Minority Undergraduate Student and Advisor Awards provide support for awardees to participate in the Undergraduate Education Program at the SOT Annual Meeting. This program is an introduction to the discipline of toxicology for undergraduate science majors and includes an orientation, a special poster session with scientists, and activities with a SOT mentor. The travel awards are for those from races and ethnic groups under-represented in the sciences (African American, American Indian, or Hispanic American) and for their advisors. Advisors are eligible regardless of racial or ethnic background. Meeting registration and support for travel, lodging, and meals are provided for students and advisors who are not local to the meeting site. Students and advisors from local institutions receive meeting and program registration and meals. In the past, the program has been supported in part by NIH-MARC, Pfizer, and Johnson & Johnson.

## Pfizer Undergraduate Student Travel Award

Pfizer Undergraduate Student Travel Awards are presented through the Society of Toxicology to foster an interest in graduate studies in the field of toxicology by bringing promising undergraduate students to the SOT Annual Meetings. Pfizer, Inc. will provide up to five awards per year to undergraduate students presenting research at the Annual Meeting. Awardees will be selected based on the quality of the submitted abstract and their advisor's supporting recommendation. Those selected will receive travel assistance for the Meeting, a plaque presented at the annual Awards Ceremony, and recognition at a special Pfizer function. Awardees will be matched with a graduate student and a Pfizer scientist to mentor them during the Meeting, and will have the opportunity to attend the Society of Toxicology Undergraduate Education Program on the Sunday of the SOT Annual Meeting.

### Awards Recipients

2006	Shawntay Chaney, Theresa M. Eagle, Natalie Malek, Adeliada Segarra, Ryan Vaughan
------	---



# AWARDS AND DESCRIPTIONS



## Public Communications Award

The Public Communications Award is presented by the Society of Toxicology to recognize an individual who has made a major contribution to broadening the awareness of the general public on toxicological issues through any aspect of public communications. The award should reflect accomplishments made over a significant period of time. Examples of qualifying media in which the nominated communication may appear are: books, brochures, continuing education courses, data bases, extension bulletins, magazines, newspapers (local or national), outreach, public presentations, public forums, radio and television scripts, and workshops. The award consists of a plaque and a cash stipend.

### Awards Recipients

1994	.....	Michael A. Kamrin
1995	.....	Philip Abelson*
1996	.....	Bruce N. Ames
1997	.....	Audrey Gotsch
1999	.....	Ann de Peyster
2001	.....	Anna Shvedova
2002	.....	Sam Kacew
2003	.....	Charlene A. McQueen
2004	.....	Kenneth Olden
2005	.....	Robert Kreiger



## Regional Chapter Awards

Most SOT Regional Chapters provide awards to recognize outstanding students or scientists. Application requirements and deadlines vary. Visit the Regional Chapter or Awards and Fellowship section on the SOT Web site for full details.



## SOT/AstraZeneca IUTOX Fellowship

The AstraZeneca company and SOT, sponsor travel fellowship awards annually, which are administered by IUTOX. Awards will be available to senior scientists from a country where toxicology is underrepresented to assist with travel to attend the Society of Toxicology Annual Meeting.

### Award Recipients

2002	.....	Christophor Dishovsky (Bulgaria), ..... Zoltan Gregus (Hungary), ..... Maritza Rojas Martini (Venezuela), ..... Choon-Nam Ong (Singapore), ..... W. Wasowicz (Poland), Ping-kun Zhou (China)
2003	.....	Jian-Hui Liang (China), ..... Marjan G. Vracko (Slovenia), ..... Eman A. Seif (Egypt)

2004	.....	Cristina Bolaton (Phillipines), P.K. Gupta (India), ..... Salmaan Inayat-Hussain (Malaysia), Xianping Ying (China)
2005	.....	Diana B. Apostolova (Bulgaria), Marite Arijia Bake (Latvia), ..... Teresa I. Fortuoul (Mexico), Mary Gulumian (South Africa), ..... He Jiliang (China), Khalidya Khamidulina (Russia), ..... L. Orish Orisakwe (Nigeria), Songsak Srianjata (Thailand), ..... Sinan Suzen (Turkey)
2006	.....	Olanike Adeyemo (Nigeria), Deepak Argwal (India), ..... Carlos Colangelo (Argentina), Sandra Demichelis (Argentina), ..... Mumtaz Iscan (Turkey), Karolina Lyubomirova (Bulgaria), ..... Osman Aly Osman (Egypt), Shuang-Qing Peng (China), ..... Julia Radenkova-Saeva (Bulgaria)



## Specialty Section Student Awards

Most SOT Specialty Sections provide awards to recognize outstanding student presentations at the SOT Annual Meeting. Application requirements and deadlines vary. For more details refer to the Award descriptions on the SOT Web site at [www.toxicology.org](http://www.toxicology.org), under Specialty Sections or the Awards and Fellowships section.



## Undergraduate Toxicology Education Award

The Undergraduate Toxicology Education Awards provide support for awardees to participate in the Undergraduate Education Program at the SOT Annual Meeting. This program is an introduction to the discipline of toxicology for undergraduate science majors and includes an orientation, a special poster session with scientists, and activities with a SOT mentor. The travel awards are for those from institutions that receive a limited amount of Federal funding in science and technology (Institution List). Preference in selection will be students who are first generation college attendees (that is, neither parent graduated from a four-year academic institution).

Meeting registration and support for travel, lodging, and meals are provided for students who are not local to the meeting site. Students from local institutions receive registration, meeting materials, and an expense stipend.

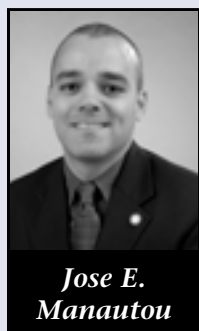
### Awards Recipients

2006	.....	Chevon Blalock, Marygrove College ..... Johnna Courneya, Lake Superior State University ..... Isabella Garcia, University of Texas Pan American ..... Laura Lalemand, University of Maine Farmington ..... Tueng V. (Madeline) Nguyen, Macalester College ..... Robert A. Overton, University of North Carolina Charlotte ..... Stephanie A. N. Payne, Grand Valley State University ..... Kendra Pete, Lake Superior State University
------	-------	---

# 2006 AWARD WINNERS



## Achievement Award



The Awards Committee of the Society of Toxicology is honored to have selected Dr. Jose E. Manautou as the recipient of the 2006 Achievement Award for significant contributions to the field of toxicology.

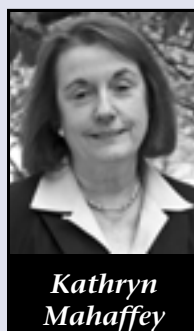
Dr. Manautou completed his undergraduate training in pharmacy at the University of Puerto Rico in 1985 and went on to carry out graduate work at Purdue University. His Ph.D. research under the direction of Dr. Gary Carlson focused on the capacity of the lung to metabolize ethanol *via* oxidative, non-oxidative (esterification with free fatty acids) and conjugative pathways, such as glucuronidation and sulfation. After completing his graduate studies, he accepted a post-doctoral position in biochemical toxicology at the University of Connecticut in the laboratory of Dr. Steven Cohen; he then joined the faculty at the University of Connecticut in the Department of Pharmaceutical Sciences. For the past 10 years as an independent academic scientist, Dr. Manautou's research efforts built on early findings from his post-doctoral work on acetaminophen. His research interests focus on the study of mechanisms underlying the hepatoprotective actions conferred by a class of compounds known as peroxisome proliferators. He has published a number of seminal articles focused on pathways involved in cytoprotection and is currently evaluating transcriptional regulation of hepatic transport proteins during liver injury.

Dr. Manautou's dedication to the training of young scientists is unmatched. His students speak proudly of his continued mentorship through daily problem solving, while allowing them the autonomy and flexibility needed for them to guide the path of their research projects. In addition to managing his research laboratory, Dr. Manautou participates on a number of committees including the National Research Council Committee on Human Health Risks of Trichloroethylene and the European Commission Sixth Framework Programme on Food Quality and Safety on Risk Assessment of Non-Dioxin-Like Polychlorinated Biphenyls. Also worth mentioning is Dr. Manautou's strong commitment to the Society of Toxicology. Dr. Manautou has been active on the Career Resource and Development Committee (formerly the Placement Committee), Mechanisms Specialty Section, and Minority Program where he has held a number of appointments. Most recently, Dr. Manautou served as SOT Councilor and was active as the Council Liaison to the Specialty Sections, Education Subcommittee for Minority Programs, the NIH Funding Task Force, and the Special Interest Group Task Force.

Dr. Jose Manautou is a highly deserving recipient of the 2006 SOT Achievement Award. His outstanding research and professional accomplishments place him among an elite few in the field of toxicology.



## Arnold J. Lehman Award

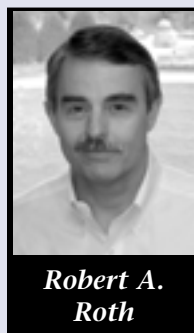


Dr. Kate Mahaffey's contributions to our understanding of the risk posed by metals such as lead and methylmercury date back over 30 years. Her early work demonstrated that the toxicity of lead could be modulated through its interactions with other essential metals such as iron and calcium. She extended these efforts through both clinical studies and use of the N-HANES data sets and to corresponding risk assessments for lead that played an important role in the evolving regulatory decisions limiting the exposures of children to lead in the U.S. Similarly, Dr.

Mahaffey has also contributed at several levels to the regulatory process for limiting exposure of women of childbearing age and children to methylmercury exposure through fish consumption. She was one of the principal authors of the EPA's Mercury Study Report to Congress that served as the background for alerting the scientific and regulatory communities to the health risks posed by methylmercury and for identifying subpopulations at highest risk from such exposures. This award is granted in recognition of her past and continuing contributions to regulatory affairs and to risk assessment of chemical agents, particularly on the health risks associated with exposures to the toxic metals lead and methylmercury.



## AstraZeneca Traveling Lectureship Award



This year's recipient of the AstraZeneca Traveling Lectureship Award is Dr. Robert A. Roth. Dr. Roth is a professor in the Department of Pharmacology and Toxicology at Michigan State University. His research in the past several years has focused on inflammation as a susceptibility factor for chemical-induced liver injury and the relationship of inflammatory stress to idiosyncratic drug reactions. Along with numerous accomplishments including 150 plus peer-reviewed publications, Dr. Roth received the Burrough's Wellcome Award in 1991 and the Merit Award from NIH.

Dr. Roth's Traveling Lectureship is designed to continue and expand his collaborations with European scientists and to initiate several new collaborative ventures. The scientists at the proposed sites are all highly renowned and working in a field that complements his current and future research. There is no doubt that Dr. Roth will learn significant and exciting new research methods from the tour.



## Board of Publications Award



The Board of Publications has selected the paper entitled *A Toxicogenomic Approach to Drug Induced Phospholipidosis: Analysis of its Induction Mechanism and Establishment of a Novel In Vitro Screening System* as the best paper published in *Toxicological Sciences* during the past year. The authors of this paper are Hiroshi Sawada, Kenji Takami and Satoru Asahi (*ToxSci*, 2005; 83: 282-292).

Drug-induced phospholipidosis was identified more than 50 years ago, and since that time, numerous drugs and xenobiotics have been shown to produce this phospholipid storage disorder. The condition is generally difficult to diagnose, relying predominantly on microscopic confirmation of the presence of lamellar bodies in affected tissues. In the recognized paper, the authors carried out toxicogenomic studies to examine the molecular mechanisms of drug-induced phospholipidosis and applied these results to identify specific markers that could be used to develop an *in vitro* screening test for this effect. They performed large-scale gene expression analysis in human hepatoma HepG2 cells, and the results established that alterations in pathways involved in both the synthesis and degradation of phospholipids were involved in the syndrome. Specifically, after 6 or 24 hours after treatment, there was evidence for reduced expression of genes involved in lysosomal phospholipase activity and lysosomal enzyme transport along with the induction of genes that regulate phospholipid and cholesterol biosynthesis. The authors validated the results of the gene expression changes by real-time PCR and used these results to identify a set of 12 marker genes that could be used to predict phospholipidosis. The *in vitro* assay represents an important extension of the toxicogenomic analysis because it provides for an accurate, mechanism-based *in vitro* screening method.

It is generally recognized that genomic technologies can facilitate major advances in our understanding of the molecular underpinning of both normal biological events and adverse effects. However, with only a few exceptions, much of the available toxicogenomic data is limited to a description of gene expression patterns that may or may not facilitate hypothesis generation. The recognized paper is an important and outstanding contribution in advancing the use of toxicogenomic data because it provides new mechanistic insight into an important toxicological issue that extends the validated genomic results into an effective rapid screening system. The authors have provided an exceptional example of the utility of toxicogenomic approaches for mechanistic toxicology and for developing useful biomarkers of toxicity.

## Colgate-Palmolive Grants for Alternative Research

The following five toxicologists have been awarded funding for

research that promotes, develops, refines, or validates scientifically acceptable animal alternative methods to facilitate the safety assessment of new chemicals and formulations.

**Rola Barhoumi**, *Texas A & M University*

Project Title: Early Toxicity Screening for Drug Development in Immature Neural Cells



**Abby D. Benninghoff**, *Oregon State University*

Project Title: Toxicogenomics in Chemical Profiling: An Evaluation of the Utility of *In Vitro* Hepatic Gene Expression Profiles for Predicting Chemical Classification



**Jodi Flaws**, *University of Maryland Baltimore*

Project Title: Proposal to Develop a Micro-assay for Culturing Mouse Ovarian Surface Epithelium and Assessing DNA Adduct

Formation

**Courtney E.W. Sulentic**, *Wright State University*

Project Title: Modulation of the 3' Immunoglobulin Heavy Chain Regulatory Region, a Prospective *In Vitro* Screening Tool for Identifying Potential Immunotoxicants



**Xiaozhong Yu**, *University of Washington*

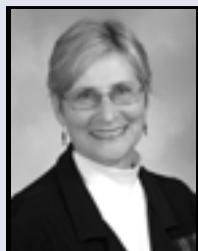
Project Title: Validation of an ECM-Overlay-Based 3-D Sertoli Cell/Gonocyte Co-Cultures System as an *In Vitro* Model for Assessment of Male Reproductive Toxicity



# 2006 AWARD WINNERS



## Contributions to Public Awareness of Animal Welfare Award



**Jayne Mackta**

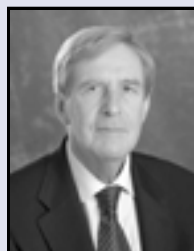
The Contributions to Public Awareness of the Importance of Animals in Toxicology Research Award is presented annually to an individual (or organization) in recognition of the contributions made to the public understanding of the role and importance of experimental animals in toxicological science.

The 2006 Award winner, Ms. Jayne Mackta, is President of the New Jersey Association for Biomedical Research (NJABR), an organization that is a well known and widely

heard voice of reason in conveying the importance of animals in toxicological research to the public. In her role as President of this organization, Ms. Mackta is an untiring crusader. Not only is she active in providing public awareness of this issue, she also participates in informing local and national legislators of the need for government recognition and appropriate legislation regarding the use of animals in research. Ms. Mackta accomplishes her goal of educating the public about the importance of animals in research through diverse mechanisms. She established a speakers bureau that links speakers with schools for the purpose of spreading the message of the value of animals in all types of research. She developed a variety of programs including the ASK program that supports teachers who believe in the importance of using animals in education, the CLOUT program that educates elective officials to the importance of using animals in research, and roundtable discussions that bring together academic scientists with potential partners in industry and government. Under Ms. Mackta's leadership, the NJABR sponsors an annual "Thank You Research" month to celebrate the achievements of people and programs involved in biomedical research. This program includes a lesson plan that encourages students to write thank you letters to researchers involved in an area of biomedical research that has affected them. Ms. Mackta's efforts have been instrumental in establishing the NJABR as a credible resource for providing information for schools and public organizations on the important and integral role that animals play in biomedical research including toxicology. Her dedication to fostering awareness in the community of the importance of animals in toxicology and other areas of biomedical research make her an excellent choice for the Contributions to Public Awareness of the Importance of Animals in Toxicology Research Award.



## Distinguished Lifetime Toxicology Scholar Award



**Sten G. Orrenius**

Dr. Sten G. Orrenius has made important contributions to the field of toxicology over the last 40 years. He received his Ph.D. in 1965 and his M.S. in 1967 from the Karolinska Institute in Stockholm, Sweden. He later was appointed Professor and Chairman of the Department of Forensic Medicine at the Karolinska Institute and also became its Dean of Medicine. From 1988-1999, he served as Director of the Institute of Environmental Medicine, and subsequently became Professor Emeritus at the Karolinska Institute in 2004. During his tenure he has

contributed over 542 publications related to cytochrome P-450, mechanisms of cytotoxicity, glutathione and other cellular defense systems, oxidative stress, calcium signaling, and, most recently, regulation and mechanisms of cell death. The importance of his contributions is indicated by that fact that he is recognized as a Highly Cited Researcher by Thomson ISI. Moreover, he has received numerous professional honors, such as membership in the Royal Swedish Academy of Sciences, the Merit Award from EUROTOX, the MRC lectureship at the 41<sup>st</sup> Annual Meeting of the Society of Toxicology, and the first European Cell Death Organization (ECDO) Career Award for Excellence in Cell Death Research. This SOT award is granted in recognition of his extensive and continuing contributions in both research and mentorship to the field of toxicology over the past four decades. Dr. Orrenius continues to be a major contributor both to our understanding of oxidative stress and calcium-mediated cytotoxicity and to promotion of the field of toxicology.



## Education Award



**Robert Schatz**

The recipient of the 2006 Education Award is Dr. Robert A. Schatz, Associate Professor of Toxicology and Director, Toxicology Program, Bouve College of Health Sciences, Northeastern University. January 2006 will be Dr. Schatz's 25<sup>th</sup> anniversary for toxicology teaching at Northeastern University! While Dr. Schatz has had a long-standing interest in studying the influence of solvents on the regulation of drug metabolizing enzymes in the respiratory tract and consequent respiratory toxicity, his greatest achievement has been

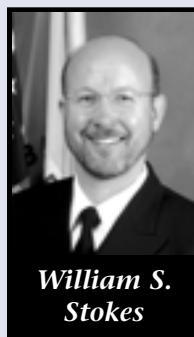
the training of both undergraduate and graduate students in toxicology.

Dr. Schatz began his career by receiving his B.S. in Pharmacy from the Massachusetts College of Pharmacy (1966) and Masters in Pharmacology from Northeastern University (1968). He received his Ph.D. in Pharmacology/Toxicology from the University of Rhode Island (1971) after which he was appointed as an NIH post-doctoral fellow at the Mental Health Research Institute, University of Michigan. From 1973-1981 he rose through the ranks and reached the level of Senior Research Associate. In 1981, Dr. Schatz joined the Toxicology/Pharmacology Program at Northeastern University. At Northeastern University, Dr. Schatz quickly assumed leadership positions. From 1985-1988, he served as Acting Director of the Toxicology Program and was then appointed Director. He also served as Acting Director, Biomedical Sciences (1988-1990) and then Director of the Pharmaceutical Sciences Graduate Program (1999-present). Dr. Schatz has also held numerous positions in the Society of Toxicology including, most recently, a member of the Animals in Research Committee (1998-2002) and Vice President of the Northeast Regional Chapter of the Society of Toxicology (1998-1999).

Northeastern University has one of the few undergraduate toxicology degree programs in the United States. This program has been very successful over the years in producing undergraduate students, numbering in the 100s, who have assumed leadership positions in academia, government, and industry. Dr. Schatz has also trained 19 doctoral students and has served on the thesis committees of many others. The training of this large number of students from this small toxicology program, with limited resources and space, is quite an accomplishment. The success of the Northeastern Toxicology program at both the undergraduate and graduate levels has been and continues to be completely dependent on Dr. Schatz's continuous perseverance and, often, personal financial support. Ask any Northeastern University graduate how they traveled to SOT each year to participate in the national meeting and you are likely to discover that personal support from Dr. Schatz played a major role. We honor Dr. Schatz with the 2006 Education Award because of this personal dedication and willingness to foster the development and career interest of undergraduate and graduate students in toxicology.



## Enhancement of Animal Welfare



**William S. Stokes**

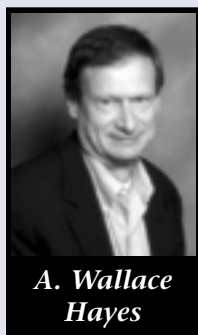
Dr. William S. Stokes, Director of the National Toxicology Program's Interagency Center for the Evaluation of Alternative Toxicological Methods at the National Institute of Environmental Health Sciences, is the 2006 recipient of the Enhancement of Animal Welfare Award. This award was instituted in 2000 to honor a member of the Society of Toxicology whose scientific accomplishments have lead to a marked reduction in the use of experimental animals for research. Dr. Stokes is responsible for directing the scientific evaluation of new chemical and

product safety assessment methodologies that support improved protection of human health and improved animal welfare. He also administers the Interagency Coordinating Committee on the Validation of Alternative Methods (ICCVAM), which reviews test methods of interagency interest and coordinates related validation, regulatory acceptance, and national and international harmonization issues within the Federal government. Dr. Stokes is a Captain in the Commissioned Corps of the U.S. Public Health Service (USPHS) and the Chief Veterinary Officer for the USPHS. In this role, he is responsible for providing leadership and coordination of Public Health Service veterinary professional affairs for the Office of the Surgeon General and the Department of Health and Human Services. Dr. Stokes is a recipient of the NIH Director's Award and the Russell and Burch Recognition Award from the Humane Society of the United States. Dr. Stokes also served as a Council member for the Institute for Laboratory Animal Research at the National Research Council, National Academy of Sciences from 1998-2004. The Society of Toxicology is pleased and honored to recognize Dr. Stokes' contributions to marked reduction in the use of experimental animals for research.

# 2006 AWARD WINNERS



## Merit Award



**A. Wallace  
Hayes**

Dr. A. Wallace Hayes has made significant contributions to the field of toxicology through his research accomplishments, his mentorship of young scientists, his dedication to the associated societies, and his textbook contributions. Through his tenure in both corporate environments and academic positions, he has been a contributing author to over 180 peer-reviewed scientific reports and has contributed to the publication of nine reference books, including *Principles and Methods of Toxicology*, which serves as an indispensable guide not

only for those involved in risk assessment but for basic scientists, clinicians, and others. He has given generously of his time to the Society of Toxicology in roles on many different committees (Program, Technical, Animals in Research, Membership, and Education) and served on its Council. In addition, he has served in numerous editorial capacities for journals, including Editor of *Toxicology and Applied Pharmacology*. Dr. Hayes is currently editor of *Cutaneous and Ocular Toxicology* and editor for the *Americas of Human and Experimental Toxicology*. He has served on the board of Directors, and as Vice-President and President, of the Academy of Toxicological Sciences. His dedication to education and mentoring is exemplified by his role in the establishment of the Leon Goldberg Memorial Post-Doctoral Fellowship Program for Toxicology at Duke University. Dr. Hayes has been active as a Board Member and Officer of the Toxicology Education Foundation. He has served as a delegate to the International Union of Toxicology (IUTOX) and on several IUTOX commissions. Dr. Hayes currently is the Secretary-General of IUTOX. Dr. Hayes has served on committees and expert panels for the National Academy of Sciences, the National Institutes of Health, the Environmental Protection Agency, and the Department of Defense as well as on several international expert panels. Dr. Hayes is a diplomat of the American Board of Toxicology, the American Board of Forensic Medicine, and the American Board of Forensic Examiners. He is a Fellow of the Academy of Toxicological Sciences, the Institute of Biology (UK), and the American College of Forensic Examiners. Dr. Hayes is a registered toxicologist in the European Union (ERT). Dr. Hayes is currently at Harvard School of Public Health. For his past and continuing contributions, Dr. A. Wallace Hayes is highly deserving of the Merit Award.

## Student Awards

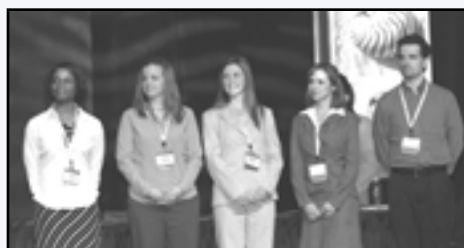


**Sheung P. Ng**

### 2006 Graduate Student Fellowship— Novartis Award

**Sheung P. Ng**, *New York University School of Medicine*

### Pfizer Undergraduate Student Travel Award



**Shawntay Chaney**, *University of Houston*  
**Theresa M. Eagle**, *Michigan State University*  
**Natalie Malek**, *Texas A&M University*  
**Adeliada Segarra**, *University of Puerto Rico Cayey*  
**Ryan Vaughan**, *University of Connecticut Storrs*

# 2006 FELLOWSHIP AND TRAVEL SUPPORT WINNERS

## 2006 Society of Toxicology Graduate Travel Support Recipients

**Amanda Ashley**, *Colorado State University*  
**Ok Nam Bae Seoul**, *National University, Korea*  
**Wade Barranco**, *University of California Los Angeles*  
**Sally Brady**, *University of London, United Kingdom*  
**Christopher Brynczka**, *NIEHS*  
**Cecilia Chan**, *University of California Los Angeles*  
**Grace Chan**, *St. John's University*  
**Xiaoqing Chang**, *University of Cincinnati*  
**Jaya Chilakapati**, *University of Louisiana Monroe*  
**Sudhakar Chintharlapalli**, *Texas A&M University*  
**Jonathan Ciencewicki**, *University of North Carolina Chapel Hill*  
**Jeannette Comeau**, *Queen's University, Canada*  
**Steven Cooper**, *USFDA-NCTR*  
**Lauren Courter**, *Oregon State University*  
**Christine Curran**, *University of Cincinnati*  
**Yolanda Dale**, *Meharry Medical College*  
**Edward Deke**, *Rutgers University*  
**Ankur Dnyanmote**, *University of Louisiana Monroe*  
**G. Scott Dotson**, *University of South Florida-CEORAM*  
**Althea Elliott**, *Wayne State University*  
**David Farrer**, *University of Rochester*  
**Shannon Fernandez**, *University of Arizona*  
**Robert Foxenberg**, *University at Buffalo*  
**Marisol Gutierrez**, *Rutgers University*  
**Genevieve Hamelin**, *Universite de Montreal, Canada*  
**Kouji Harada**, *Kyoto University, Japan*  
**Jaime Hatcher**, *Emory University*  
**Rebecca Henseler**, *Wright State University*  
**Christina Herden**, *Michigan State University*  
**Lya Hernandez**, *Queen's University, Canada*  
**Jedd Hillegass**, *Rutgers University*  
**Frank Johnson**, *Mississippi State University*  
**Vijay Kale**, *University of Louisiana Monroe*  
**Suzanne Krance**, *University of Rochester School of Medicine*  
**Chelsea Laudermilch**, *Virginia-Maryland Regional College of Veterinary Medicine*  
**Junga Lee**, *Oregon State University*

**Fujun Liu**, *Texas Tech University*  
**Thomas Long**, *University of North Carolina*  
**Jean Lord**, *University of Arizona*  
**Gang Lu**, *Rutgers University*  
**Yasong Lu**, *Colorado State University*  
**Rosemarie Marchan**, *University of Rochester*  
**Vivek Mathrani**, *University of California Davis*  
**Minerva Mercado-Feliciano**, *Indiana University*  
**Keiko Okamoto**, *San Diego State University*  
**Bladimir Ovando**, *University at Buffalo*  
**Rushang Patel**, *Penn State University*  
**Julian Pittman**, *Mississippi State University*  
**Kathila Rajapaksa**, *University of Arizona*  
**Jennifer Rayner**, *University of North Carolina Chapel Hill*  
**Ava-Gaye Rhule**, *University of Montana*  
**Elizabeth Ryan**, *University of Rochester School of Medicine*  
**Ashwini Sabnis**, *University of Utah*  
**Yuhui Shi**, *Michigan State University*  
**Kerstin Stemmer**, *University of Konstanz, Germany*  
**Lorraine Sullivan**, *University of California Davis*  
**Lauren Tarantino**, *New York University School of Medicine*  
**Robert Taylor**, *University of California Los Angeles*  
**Salina Torres**, *Lovelace Respiratory Research Institute*  
**Emily Tung**, *Queen's University, Canada*  
**Olga Valenzuela**, *CINVESTAV, Mexico*  
**Kathryn VanDeMark**, *University of Washington*  
**Caren Villano**, *Rutgers University*  
**Xiaodong Wang**, *University of the Pacific*  
**Xueqian (Shirley) Wang**, *Purdue University*  
**Lifang Xie**, *University of Arizona*  
**Yan Xu**, *Rutgers University*  
**Koji Yamazaki**, *Chiba University, Japan*

Sponsored by **Merck & Company**  
**Paul Grivas**, *University of South Africa*  
**Linnzi Wright**, *USFDA-NCTR*

## Colgate-Palmolive—SOT Awards for Student Research Training in Alternative Methods Recipients

**Mary Hassani**  
*University of Montana*

**Prajakta Palkar**  
*University of Louisiana Monroe*