

# SOT HONOR AND AWARD DESCRIPTIONS

In recognition of distinguished toxicologists and students, SOT presents Honorary Membership and awards each year. In addition to receiving a 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 2008 Honorary Membership and award nominations is October 9, 2007.

SOT Council reviews nominations for Honorary Membership and the Awards Committee reviews applications for SOT Awards and most Sponsored Awards. The Best Paper Awards are reviewed by the Board of Publications. The Education Committee selects the recipients of the Pfizer Undergraduate Travel Award and the Committee on Diversity Initiative selects the other undergraduate student travel recipients.

Nominations for most 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. There are specific applications for Fellowships and Graduate Travel Support.

Other graduate student and postdoctoral fellow awards are available through Regional Chapters, Specialty Sections, and Special Interest Groups. A student or postdoc may apply for any award for which he or she is eligible and may apply for and receive multiple awards, whether SOT, Regional Chapters, Special Interest Groups, or Specialty Sections sponsor the awards. Policies related to travel support are determined by the sponsor (SOT, Regional Chapter, Special Interest Groups, 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).

## SOT Honor Descriptions



### Honorary Membership

The Society of Toxicology recognizes non-members who embody outstanding and sustained achievements in the field of toxicology with Honorary Membership. Candidates are nominated by two full 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  
2007 .....Mario Molina



*Indicates an SOT Sponsored Award*

*\*Deceased*

# SOT HONOR AND AWARD DESCRIPTIONS

## SOT Award Descriptions



### Achievement Award

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  
1968 ..... Allan H. Conney  
1969 ..... Samuel S. Epstein  
1970 ..... Sheldon D. Murphy\*  
1971 ..... Yves Alarie  
1972 ..... Robert L. Dixon\*  
1974 ..... Morris F. Cranmer  
1975 ..... Ian C. Munro  
1976 ..... Curtis D. Klaassen  
1977 ..... James E. Gibson  
1978 ..... Raymond D. Harbison  
1979 ..... Michael R. Boyd  
1980 ..... Philip G. Watanabe\*  
1982 ..... Frederick P. Guengerich  
1984 ..... Melvin E. Andersen  
1985 ..... Alan R. Buckpitt  
1986 ..... Sam Kacew  
1987 ..... James S. Bus  
1988 ..... Jeanne M. Manson  
1989 ..... James P. Kehrer  
1990 ..... Michael P. Waalkes  
1991 ..... Debra Lynn Laskin  
1992 ..... Michael P. Holsapple  
1993 ..... David L. Eaton  
1994 ..... James L. Stevens  
1995 ..... Lucio G. Costa  
1996 ..... Kenneth S. Ramos  
1997 ..... Kevin E. Driscoll  
1998 ..... Rick G. Schnellmann  
1999 ..... Michel Charbonneau  
2000 ..... Christopher Bradfield  
2001 ..... Martin A. Philbert  
2002 ..... Ruth A. Roberts  
2003 ..... Lois D. Lehman-McKeeman  
2004 ..... David C. Dorman  
2006 ..... Jose E. Manautou  
2007 ..... Jeffrey M. Peters



### 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 an 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  
1998 ..... Helmut Alfred Greim  
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  
2007 ..... Harvey J. Clewell

# SOT HONOR AND AWARD 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. Bacchanale,  
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 .....Jinqiang 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 .....Abraham Nyska, Carolyn Moyer, Allen Ledbetter,  
David Christiani, Mette Schlasweiler,  
Daniel Costa, Russ Hauser, Urmila Kodavanti,  
2005 .....Nicole V. Soucy, Michael A. Ichnat, Linda Hess,  
Chandrashekar D. Kamat, Aaron Barchowsky,  
Mark J. Post, Linda R. Klei, Callie Clark,  
2006 .....Hiroshi Sawada, Kenji Takami, Satoru Ashai  
2007 .....Trevor Green, Robert Lee, Sara Lloyd, James Noakes,  
Timothy Pastoor, Richard Pepper, Mervyn Robinson,  
Patrick Rose, Alison Toghil, Felix Waechter, Edgar Weber

### 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

### Frank R. Blood Award

#### Award Recipients

- 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

# SOT HONOR AND AWARD DESCRIPTIONS



## 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



## Distinguished Toxicology Scholar Award

The Distinguished Toxicology Scholar Award is presented to a member of SOT who has made substantial and seminal scientific contributions to our understanding of the science of toxicology. Nominees should be active scientists involved in toxicological research. The prime consideration for this award is scientific accomplishments. 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
- 2007 ..... Stephen H. Safe



## 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
- 2007 ..... Torbjörn Malmfors

# SOT HONOR AND AWARD DESCRIPTIONS



## 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  
2007 ..... Thomas Hartung



## 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.



## Merit Award

The Merit Award is presented to a member of the Society of Toxicology in recognition of distinguished contributions to toxicology throughout an entire career in areas such as research, teaching, regulatory activities, consulting, and service to the Society. 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  
2007 ..... James A. Swenberg

# SOT HONOR AND AWARD DESCRIPTIONS



## 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 underrepresented in the sciences (African American, American Indian, or Hispanic American) and for their advisors. The 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, Johnson & Johnson, Covance, and other supporters. The recipient list is available on the Web site.



## 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 as follows: 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  
2007 .....Linda S. Birnbaum



## SOT/AstraZeneca IUTOX Fellowship

The AstraZeneca, Ltd. and SOT sponsor travel fellowship awards annually, which are administered by IUTOX. Awards are 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 Arija 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)  
2007 .....Hatem Ahmed (Egypt),  
Jiri Bajgar (Czech Republic),  
Ismet Çok (Turkey),  
Carlos Garcia (Peru),  
Wenceslao Kiat (Philippines),  
Calivarathan Latchoumycandane (Singapore),  
Fateheya Metwally (Egypt),  
Hilmi Orhan (Turkey),  
Nwoha Umunna (Nigeria)

# SOT HONOR AND AWARD DESCRIPTIONS



## 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 (list is available on the Web site). 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. The recipient list is available on the Web site.



## SOT Regional Chapter Awards

Most SOT Regional Chapters provide awards to recognize outstanding students, postdoctoral fellows, or scientists throughout their career. 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 Regional Chapters or the Awards and Fellowships section.



## SOT Special Interest Group Awards

SOT Special Interest Groups provide awards to recognize outstanding students, postdoctoral fellows, or scientists throughout their career. 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 Special Interest Groups or the Awards and Fellowships section.



## SOT Specialty Section Student Awards

Most SOT Specialty Sections provide awards to recognize outstanding students, postdoctoral fellows, or scientists throughout their career 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.

# SPONSORED AWARD DESCRIPTIONS

## 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  
2007 ..... Michael S. Denison

## 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.

The maximum award is \$40,000. Awards are made as a single lump payment. An expert panel from the SOT *In Vitro* and Alternative Methods Specialty Section will recommend a prioritized list of applicants for funding, with the final awards designated by the SOT Awards Committee. Awardees can apply again for funding.

### Award Recipients

2006 ..... Rola Barhoumi, Abby Benninghoff, Jodie Flaws,  
Courtney Sulentic, Xiaouzhong Yu  
2007 ..... Rita L. Caruso, Daniel R. Cerven,  
Anne R. Greenlee, Glenn M. Walker

## Colgate-Palmolive Postdoctoral Fellowship Award in *In Vitro* Toxicology

The Colgate-Palmolive Company sponsors the Colgate-Palmolive Postdoctoral 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 postdoctoral fellow. The award is available to postdoctoral trainees employed by academic institutions, federal/national laboratories, or research institutes worldwide. Preference will be given to applicants in their first year of postdoctoral study. Applications are due in even calendar years and the fellowship is awarded for the following year. The next application deadline: October 9, 2008.

### 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  
2007 ..... Aaron Rowland



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

The purpose of the Colgate-Palmolive 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 relevant 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 Bhave, Ankur Dnyanmote, Johnathan Maher  
 2006 .....Mary Hassani, Prajakta Palkar  
 2007 .....Renee Gardner, Prajakta Palkar, Rohit Singhal, René Vinas

## 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.

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 a host from an academic institution, SOT Regional Chapter, SOT Special Interest Group, SOT Specialty Section, or another toxicology organization. Up to \$15,000 is available for all the awards. The Awards Committee reviews the applications, which must be accompanied by a statement detailing the applicants expertise in alternative methods, a brief overview of the techniques to be discussed in the lecture, the budget request, and a letter from the host indicating 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

# SPONSORED AWARD 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  
2007 ..... Atrayee Banerjee

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

## 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 by the Education Committee based on the quality of the submitted abstract and the 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 Annual 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  
2007 ..... Kay Gonsalves, Lisa Koselke, Basharat Sanni,  
Sonia Talathi, Anna Zimmerman

# 2007 HONOR AND AWARD RECIPIENTS



## Honorary Membership



**Mario  
Molina**

It is the high privilege of the Society of Toxicology to recognize Dr. Mario Molina for induction as an Honorary Member of this Society. This induction stands as one of the greatest honors the Society can bestow. Its purpose is to recognize Dr. Molina's groundbreaking contributions to human and environmental health and safety. Dr. Molina's research spans the fundamental sciences of chemistry and physical chemistry, and extends to the far-reaching domains of human and environmental health. Dr. Molina embodied the importance of the "Roadmap" decades before our appreciation developed for this concept, and propelled it to the forefront of current research. Dr. Molina is a rare visionary. His discoveries became translated into broad actions that have improved the health of millions of humans by increasing the safety of the air, and thereby decreasing many environmental diseases.

Through his work with colleagues, Dr. Molina's research convinced governments around the world to eliminate chlorofluorocarbons (CFCs) from spray cans and refrigerators, agents that were contributing to the destruction of the ozone layer. His research led to receipt of the 1995 Nobel Prize in Chemistry, shared with his Postdoctoral mentor Dr. Sherwood Rowland, and with Dr. Paul Crutzen. Dr. Molina has held teaching and research positions at UC Irvine, the Universidad Nacional Autónoma de México, and the Jet Propulsion Laboratory at the California Institute of Technology, before arriving at MIT in 1989 as a professor in the Department of Earth, Atmospheric and Planetary Sciences and the Department of Chemistry, and most recently UC San Diego. He is a member of the National Academy of Sciences, and the Institute of Medicine and the Pontifical Academy of Sciences.

The Society of Toxicology is pleased to induct Dr. Molina as an Honorary Member.



## Achievement Award



**Jeffrey M.  
Peters**

Dr. Jeffrey Peters (Ph.D., University of California-Davis) has performed seminal research concerning the biological role of the PPAR class of nuclear receptors. He has effectively developed and utilized genetically engineered mouse strains to demonstrate the critical role of interactions of xenobiotics with these receptors to explain their biologic and toxicologic effects, beginning with his showing that the hepatocarcinogenic effect of PPAR agonists requires a functional PPAR. His research has had a profound impact on the risk assessment of a broad range of chemicals, helping to focus mechanistic research on the extrapolation of effects in animal models to humans. He teaches undergraduate and graduate courses in toxicology, and he is an active member of SOT, serving on the Continuing Education Committee and as Associate Editor for *Toxicological Sciences*.



## Arnold J. Lehman Award



**Harvey J.  
Clewell**

Harvey Clewell is an internationally-recognized expert in science-based risk assessment, with particular emphasis on the use of physiologically based pharmacokinetic (PBPK) models. More than anyone else, Mr. Clewell has provided concrete examples of how PBPK models can be used in developing chemical risk assessments. He has played a major role in the first uses of PBPK modeling in cancer and non-cancer risk assessments by U.S. EPA, ATSDR, OSHA, and FDA, and has developed models for such chemicals as acetone, arsenic, coumarin, isopropanol, manganese, methylene chloride, methylmercury, retinoic acid, trichloroethylene, and vinyl chloride. The Arnold J. Lehman award for 2007 is granted to Harvey Clewell in recognition of these outstanding contributions to toxicology and risk assessment.



Society of Toxicology  
Sponsored Awards

# 2007 HONOR AND AWARD RECIPIENTS



## Board of Publications Award



The Board of Publications has selected the body of work encompassed by a trio of companion articles as the best paper published in *Toxicological Sciences* during the past year. The articles are entitled *Thiamethoxam induced mouse liver tumors and their relevance to humans: Part 1: Mode of action studies in the mouse, Part 2: Species differences in response and Part 3: Case Study: Weight of evidence evaluation of the human health relevance of thiamethoxam-related mouse liver tumors*. The authors of this collective body of work are Trevor Green,

Timothy Pastoor, Alison Toghil, Robert Lee, Felix Wachter, Edgar Weber, James Noakes, Richard Pepper, Mervyn Robinson, Patrick Rose, and Sara Lloyd.

The extrapolation of mode of action data for toxic effects in laboratory animals to human safety evaluation is an important issue facing all toxicologists. The development and use of a standardized scientific weight of evidence approach to evaluate the human relevance of rodent carcinogens has long been advocated, and several retrospective assessments have contributed to the development of a recommended framework for this purpose. After finding that thiamethoxam increased the incidence of liver tumors in mice, the authors developed a comprehensive investigative research program to determine the mode of action of thiamethoxam-induced liver tumors. Importantly, the authors identified the key role of a metabolite that initiated a cascade of events progressing from hepatotoxicity to regenerative hyperplasia. Hepatotoxicity was exacerbated by a second metabolite that inhibited inducible nitric oxide synthetase. These key events were characterized in other species including rats and humans using *in vivo* and *in vitro* tools, and the results demonstrated quantitative differences across species that supported the conclusion that thiamethoxam was not likely to pose a carcinogenic risk to humans. In its totality, the elucidation of the key events in thiamethoxam-induced mouse liver tumors is noteworthy toxicological research. More importantly, the work represents an important contribution to toxicology by presenting the research in a framework that provides an objective and logical approach for evaluating whether the data were sufficient to establish the mode of action in animals and whether this mode of action was relevant to humans. The outcome is a major advancement in applying a scientific weight of evidence approach in human risk assessment.



## Distinguished Toxicology Scholar Award



Stephen H. Safe

Dr. Stephen H. Safe, Distinguished Professor and Sid Kyle Professor of Toxicology at Texas A&M University, is the 2007 Distinguished Toxicology Scholar Award winner. The societal impact of his research spans multiple areas including the environment, agriculture, and veterinary and human health. Of note are his contributions to advances in understanding the molecular toxicology of aryl hydrocarbon receptor, development of the toxic equivalency factor approach for human risk assessment, molecular endocrinology, and development of novel mechanism-based drugs for cancer chemotherapy. Dr. Safe is a significant contributor to the field of toxicology worldwide and highly deserving of this recognition.

# 2007 HONOR AND AWARD RECIPIENTS



## Education Award



**Torbjörn  
Malmfors**

Dr. Torbjörn Malmfors trained at the Karolinska Institutet in Stockholm, Sweden, receiving his M.B., Ph.D., and M.D. Dr. Malmfors has been a faculty member at the University of Melbourne and associate professor at NIOH in Stockholm. In 1972 he was appointed head of the Toxicology Laboratories at AB Astra Pharmaceuticals, and in 1980 he started Malmfors Consulting AB to work as an independent consultant in toxicology and risk assessment. He continues on in this position. He has authored or co-authored about 120 scientific articles on histology, pharmacology, toxicology, and risk assessment.

He has been active in various toxicological societies (e.g., President of the Swedish Society of Toxicology, Secretary General of the Federation of European Societies of Toxicology, and Treasurer of the International Union of Toxicology—IUTOX). Of particular relevance for this Education Award, Dr. Malmfors has played an instrumental role in defining risk assessment education at an international level and as a toxicologically-based discipline through his efforts as designer and course director of the Risk Assessment Summer School (RASS), a program of IUTOX. RASS was conceived as a summer school by Dr. Malmfors and adapted from the successful models of Gordon Research conferences and Nobel Laureate student mentoring. The extensive international student and faculty participation and phenomenal success of RASS are a testament to Dr. Malmfors' commitment to international teaching. There have been 281 students representing 45 countries, including many developing countries. As one of the recent students commented on the course evaluation, "RASS should serve as a model for the UN," and then described the rigorous, but harmonious interaction during RASS XI.

Dr. Malmfors has been an important advocate that risk assessment be embraced and defined by toxicologists. In addition, he has had a long standing commitment to improving the scientific and philosophical base of our discipline. By defining a curriculum for RASS that included a psychologist, he was also one of the first toxicologists to recognize the critical role that risk perception and risk communication plays in our discipline.

We honor Dr. Malmfors with the 2007 Education Award because of his personal dedication and willingness to foster international training in toxicology and risk assessment.



## Enhancement of Animal Welfare



**Thomas  
Hartung**

Dr. Thomas Hartung is currently the Head of ECVAM (European Centre for Validation of Alternative Methods), European Commission Joint Research Centre. As the Head of ECVAM, Dr. Hartung has been integral in accelerating the alternative methods validation process. He has established a network of 400 experts from all stakeholder groups to facilitate the international harmonization with U.S. ICCVAM (Interagency Coordinating Committee on the Validation of Alternative Methods) and OECD (Organization for Economic Cooperation and Development). In addition, Dr. Hartung has authored more than 200 scientific papers and has served on the Editorial Board of *ATLA (Alternatives to Laboratory Animals)* and *ALTEX (Alternativen zu Tierexperimenten)*. Dr. Hartung is also Vice President of the Middle-European Society for Alternatives to Animal Experiments.



## Merit Award



**James A.  
Swenberg**

Dr. James Swenberg has made significant contributions to the field of toxicology through his research, mentoring of students and young scientists and as an advisor to numerous government agencies. Dr. Swenberg is a Kenan Distinguished Professor of Environmental Sciences and Engineering and Professor of Nutrition, and Pathology and Laboratory Medicine at the University of North Carolina at Chapel Hill. He also serves as Director of the Center for Environmental Health and Susceptibility, and the Curriculum in Toxicology at the University of North Carolina at Chapel Hill. Before joining the University of North Carolina, he was a Department Head at the Chemical Industry Institute of Toxicology for more than ten years, Research Scientist at the Upjohn Company from 1972–1978, and prior to that, Assistant and Associate Professor of Veterinary Pathology at the Ohio State University. Dr. Swenberg has been active in the Society of Toxicology serving on Council, on Membership Committee, on the Regulatory and Legislative Affairs Committee and as president of the Carcinogenesis Specialty Section.

Dr. Swenberg earned his D.V.M. degree from the University of Minnesota and his Ph.D. degree in Veterinary Pathology from the Ohio State University. He is a Diplomate of the American College of Veterinary Pathologists and a member of the American Association for Cancer Research, American Association of Neuropathologists, American Society for Investigative Pathology, Society of Toxicologic Pathologists, and the Society of Toxicology. He has served on the Board of Scientific Counselors, Division of Cancer Etiology, NCI, Board of Scientific Counselors, National Toxicology Program, NIEHS, and Board of Scientific Counselors, NIEHS, as well as a member of the FIFRA Scientific Advisory Panel, U.S. EPA. He was

# 2007 HONOR AND AWARD RECIPIENTS

awarded the George Scott Award from the Toxicology Forum, the John Barnes Prize Lectureship from the British Toxicology Society, the Distinguished Alumnus Award from the Ohio State University College of Veterinary Medicine, and the Distinguished Research Alumnus Award from the University of Minnesota, College of Veterinary Medicine.

Dr. Swenberg has published over 300 scientific papers and has served on the editorial boards of *Cancer Epidemiology, Biomarkers and Prevention*; *Cancer Research*; *Carcinogenesis*; *Chemical-Biological Interactions*; *Chemical Research in Toxicology*; *Environmental Health Perspectives*; *Food and Chemical Toxicology*; *Fundamental and Applied Toxicology*; *Neuro-Oncology*; and *Toxicologic Pathology*. His research focuses on mechanisms of carcinogenesis and toxicology, with emphasis on the roles of DNA damage and repair and cell proliferation. He has published extensively on the use of mass spectrometry for DNA and protein adducts, including those arising from environmental and endogenous chemicals. Most recently, he has been investigating direct and indirect DNA damage arising from oxidative stress.



## Public Communications Award



**Linda S. Birnbaum**

The Awards Committee is pleased to honor Dr. Linda S. Birnbaum, Ph.D., DABT for embodying the attributes of the Communications Award throughout her distinguished career.

Dr. Birnbaum is currently the Division Director of the Experimental Toxicology Division in the National Health and Environmental Effects Research Laboratory of the U.S. Environmental Protection Agency (U.S. EPA). As an upper-level manager, she sets the direction for the laboratory and for policy derived with the research results. This leadership cannot be underestimated in its impact and value to the scientific and public health community at large.

Dr. Birnbaum has contributed by mentorship of new toxicologists as an adjunct professor at both the University of North Carolina and at Duke University. In addition to providing lectures, she has served as either the primary advisor or on the committee of close to 30 predoctoral students and 12 postdoctoral students.

A profound achievement recognized by this award is Dr. Birnbaum's ambassadorship in the professional and public arenas. She received an ambassador award from the Mid-Atlantic Chapter of the SOT. As president of the SOT, Dr. Birnbaum was active in outreach efforts, both within the SOT itself and to other professional societies. Her attention to and abilities in showing respect for diverse opinions and creating venues for all voices to be heard and carefully considered has been a critical component in enhancing the credibility and value of toxicology to all stakeholders in the scientific and public policy arenas. Recognition of her valued input on behalf of toxicology, and of her professionalism and expertise, are evident by the large number of committees and consultative appointments that she holds, including the Executive Committee of the ISSX, the external advisory committee of the NIEHS, the ILSI Committee on pharmacokinetics, the NIOSH peer review

board on dioxin studies, and various EPA oversight committees. Dr. Birnbaum served as the Vice President of the American Aging Association and as chairperson of the Division of Toxicology of the American Society of Pharmacology and Experimental Therapeutics. She is also an active member of the local NC Chapter of the SOT, the American Association for the Advancement of Science, the Gerontological Society, Phi Beta Kappa, Phi Kappa Phi, and Sigma Xi.

Finally, Dr. Birnbaum's own research career was considered for its contributions to public communications. She has authored over 650 peer-reviewed publications, book chapters, abstracts, and reports; and has received numerous awards in recognition of her work's quality and impact, including award as a fellow of the Academy of Toxicological Sciences, the U.S. EPA's Health Science Achievement Award, a U.S. EPA bronze medal, numerous EPA Science and Technological Achievement Awards, best risk assessment manuscript from the SOT, a National Conservation Achievement Award from the National Wildlife Federation, and a Diversity Leadership Award from the U.S. EPA.

By recognizing Dr. Birnbaum with this award, the SOT is assured that it benefits from an active and enthusiastic proponent of the value of clear and credible communication in meeting its mission.

## AstraZeneca Traveling Lectureship Award



**Michael S. Denison**

Dr. Michael Denison is a Professor in the Department of Environmental Toxicology at the University of California at Davis. His research interests are in the area of receptor-mediated mechanisms of action of environmental toxicants, specifically those related to 2,3,7,8-tetrachlorodibenzo-p-dioxin and other aryl hydrocarbon receptor agonists, and their adverse species- and tissue-specific toxic and biological effects. He will use this award to present his most recent findings to well-established European scientists studying the aryl hydrocarbon receptor and the molecular mechanisms by which synthetic and natural chemicals bind to and activate the receptor-mediated signal transduction pathway. In addition, he will establish research collaborations with these scientists and become familiar with new information and directions regarding these chemicals in the Europe.

# 2007 HONOR AND AWARD RECIPIENTS

## Colgate-Palmolive Grants for Alternative Research



**Rita Loch Caruso**, *University of Michigan*

**Project Title:** *In Vitro* Models to Assess Toxicant Actions in Human Gestational Membranes



**Daniel R. Cerven**, *MB Research Laboratories*

**Project Title:** Development of a Porcine Corneal Opacity Reversibility Assay (PorCORA) as an Alternative to the Draize Rabbit Eye Irritation Test



**Anne R. Greenlee**, *Oregon Health and Science University*

**Project Title:** Mouse Embryonic Stem Cell Model to Predict Risk of Neural Tube Birth Defects



**Glenn M. Walker**, *North Carolina State University*

**Project Title:** Skin-on-a-Chip for Microscale Irritant Screening

## Colgate-Palmolive Postdoctoral Fellowship Award in *In Vitro* Toxicology



**Aaron Rowland**  
*University of Utah*

## Pfizer Undergraduate Student Travel Awards



**Kay Gonsalves**  
*Bates College*



**Lisa Koselke**  
*Drake University*



**Basharat Sanni**  
*University of North Carolina Charlotte*



**Sonia Talathi**  
*University of Georgia*



**Anna Zimmermann**  
*Kenyon College*

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



**Renee Gardner**, *Johns Hopkins Bloomberg School of Public Health*

**Project Title:** *In Vitro* PBMCs Culture and Their Uses to Assess Cytotoxicity Induced by Colbalt Nanoparticles by *In Vitro* Toxicity Testing



**Prajakta Palker**, *University of Louisiana at Monroe*

**Project Title:** Mass Spectrometric Identification of Proteins Found Increased in RBCs from Rats Primed with 2-Butoxyethanol-Induced Hemolysis



**Rohit Singhal**, *University of Arkansas for Medical Science*

**Project Title:** Effect of Estrogen on Aryl Hydrocarbon Receptor Mediated Signaling



**Rene Vinas**, *Texas Tech University*

**Project Title:** Toxicity Screening of Hypoglycemic Herbal Remedies

## Novartis Graduate Fellowship



**Atrayee Banerjee**  
*Texas A&M University*

# 2007 FELLOWSHIP AND TRAVEL SUPPORT RECIPIENTS

## 2007 Society of Toxicology Graduate Travel Support

- Chidozie Amuzie**, Michigan State University  
**Dorinda Arch**, University of Utah  
**Laura Arreola-Mendoza**, CINVESTAV IPN, Mexico  
**Catherine Au**, Vanderbilt University  
**Heekyong Bae**, Michigan State University  
**Subhashis Banerjee**, University of Kentucky  
**Sarah Barnes**, University of Connecticut  
**Shameema Banu Beer Mohamed**, Nagoya University, Japan  
**Adrienne Black**, Rutgers University  
**Tantiana Burns**, University of Georgia  
**Beibei Cai**, University of Washington  
**Ming-Wei Chao**, Rutgers University  
**Jennifer Cohen**, University of Arizona  
**Stephanie Dance**, Wake Forest University School of Medicine  
**Michael Davis**, Mississippi State University  
**Edward Dougherty**, University of South Florida  
**Jessica Duffy**, New York University School of Medicine  
**Kylee Eblin**, University of Arizona  
**Ying Fan**, Oregon State University  
**Craig Fisher**, University of Arizona  
**Rebecca Fisher**, University of Guelph, Canada  
**Colin Flaveny**, The Pennsylvania State University  
**Kristian Fried**, University of Kansas Medical Center  
**Jun Gao**, University of New Mexico  
**Worlanyo Gato**, Western Michigan University  
**Sean Gehen**, University of Rochester  
**Anand Giddabasappa C.S.**, University of Houston  
**Neha Gowadia**, University of California Irvine  
**Kymberly Gowdy**, North Carolina State University  
**Xinsheng Gu**, Texas A&M University  
**Mark Hallman**, Medical University of South Carolina  
**Xianglu Han**, University of Rochester  
**Kim Henderson**, University of California Los Angeles  
**Kristen Hobbie**, North Carolina State University College of Veterinary Medicine  
**Daniel Hochman**, University of Texas Medical Branch  
**Jennifer Hollyfield**, Wright State University  
**James Jacobus**, University of Iowa  
**Shannon Jones**, The University of North Carolina at Chapel Hill  
**Thomas Jursa**, University of California Santa Cruz  
**Thomas Kannanayakal**, Wright State University  
**Kyu-Bong Kim**, University of Georgia  
**Kevin Kransler**, University at Buffalo, The State University of New York  
**Michele La Merrill**, The University of North Carolina at Chapel Hill  
**Sookwang Lee**, University of Georgia  
**Yan Li**, LSU Health Science Center  
**Andrew Lickteig**, University of Arizona  
**Fang Lu**, University of Nebraska, Medical Center  
**Ebany Martinez**, University of New Mexico  
**Lijoy Mathew**, Oregon State University  
**Eva McLanahan**, University of Georgia
- Vatsal Mehta**, University of Wisconsin Madison  
**Valerie Mitchell**, University of California Davis  
**Athena Nomikos**, Dartmouth Medical School  
**Katy Olsavsky**, Pennsylvania State University  
**William Osburn**, Johns Hopkins Bloomberg School of Public Health  
**Prajakta Palkar**, University of Louisiana Monroe  
**Brianna Peterson**, University of Georgia  
**Belem Pina-Guzman**, CINVESTAV-IPN, Mexico  
**Amanda Piskac**, The University of Texas School of Public Health  
**Randi Potter**, University of Rochester  
**Chunli Quan**, New York University School of Medicine  
**Jennifer Rees**, The University of Iowa  
**Bethany Reeves**, North Carolina State University  
**Arena Richardson**, University of Georgia  
**Nilsa Rivera-Del Valle**, UT MD Anderson Cancer Center  
**Leah Rosenfeld**, Johns Hopkins Bloomberg School of Public Health  
**Erik Rushton**, University of Rochester  
**Richard Salisbury**, Wright State University  
**Sara Saperstein**, University of Rochester  
**Eric Sciuolo**, University of California Davis  
**Latanya Scott**, Wake Forest University School of Medicine  
**David Sharlin**, University of Massachusetts  
**Patrick Shaw**, Michigan State University  
**Yihsin Shen**, University of California Davis  
**Dina Shnaider**, Michigan State University  
**Rohit Singhal**, University of Arkansas Medical Sciences  
**Peizhen Song**, University of Kansas Medical Center  
**Tina Stevens**, The University of North Carolina at Chapel Hill  
**Benjamin Stewart**, University of Colorado Health Sciences Center  
**Hao Sun**, University of Utah  
**Matthew Taylor**, University of Georgia  
**Michele Taylor**, Rutgers University  
**Darryn Unfricht**, University of Connecticut  
**Dana Upton**, Wake Forest University Health Sciences  
**Jonathan Urban**, The University of North Carolina at Chapel Hill  
**Elizabeth Vancza**, New York University School of Medicine  
**Piwen Wang**, Texas Tech University  
**Zemin Wang**, Texas Tech University  
**Sally White**, University of North Carolina at Chapel Hill  
**Sanjeeva Wijeyesakere**, University of Michigan  
**Hongmei Wu**, Texas Tech University  
**Xi Yang**, Penn State University  
**Zhengyu Yin**, University of Rochester  
**Shu Zhang**, Texas A&M University  
**Shiqian Zhu**, University of Mississippi
- Sponsored by Merck & Company**  
**Rae Benedict**, University of Maryland  
**Vishakha Bhave**, University of Louisiana Monroe  
**John Buchweitz**, Michigan State University  
**Rodney Rouse**, LSU School of Veterinary Medicine