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SOT Awards and Criteria

Achievement Award

Award statement: 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.

Criteria for award:

- Member of the Society
- Less than 15 years since completing degree (using year of the award)
- Significant contributions to toxicology

Award: plaque and a cash stipend

Arnold J. Lehman Award

Award statement: 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.

Criteria for award:

- Member of the Society
- Individual who has made a major contribution to risk assessment and/or the regulation of chemical agents, including pharmaceuticals
 - Contribution may have resulted from the application of sound scientific principles to regulation
 - Research activities that have significantly influenced the regulatory process
- May be employed in academia, government, or industry

Award: plaque and cash stipend

Board of Publications Award

Award statement: The **Board of Publications Best Paper Award** for the **Best Paper in Toxicological Sciences** is presented to the author(s) of the best paper published in the 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 the citation for 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 for this award are submitted by the editor of *Toxicological Sciences*. All papers submitted will be evaluated by the Board of Publications. (This award was formerly known as the Frank R. Blood Award.)

Criteria for award:

- Significant contributions to toxicology as determined by the Board of Publications
- Paper published in Toxicological Sciences during a 12-month period, terminating with the June issue of the calendar year preceding the Annual Meeting at which the award is presented
- Member or non-member of the Society
- Each member can submit one title; ToxSci editor may submit up to six

Award: plaque and a cash stipend

Contributions to Public Awareness of the Importance of Animals in Toxicology Research Award
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Award Statement: 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 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.

Criteria for award:

- An individual or organization
- Contributions to public understanding of the role and importance of experimental animals in toxicology
 - Single seminal piece of work or
 - Longer-term contribution

Award: plaque and a cash stipend

Distinguished Toxicology Scholar Award

Award Statement: 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 accomplishment. (This award was formerly known as the Scientific Achievement Award.)

Criteria for award:

- Must be a member of the Society
- Active scientist involved in toxicological research
- Substantial and seminal scientific contributions to the understanding of toxicology

Award: plaque and a cash stipend

Education Award

Award Statement: 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.

Criteria for award:

- An individual
- Distinguished by teaching and training of toxicologists
- Made significant contributions to education in toxicology

Award: Plaque and cash stipend

Enhancement of Animal Welfare Award

Award statement: The Enhancement of Animal Welfare Award is presented annually to a member of the Society in recognition of contributions 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 scientifically sound and responsible use of animals in research. The achievement recognized may be either a seminal piece of work or a long-term contribution to toxicological science and animal welfare.

Criteria for award:

- Member of the Society
- Contributions to the advancement of toxicology through development and application of methods that replace, refine, or reduce the need for experimental animals.
- Outstanding/significant contributions to the scientifically sound and responsible use of animals in research
 - Either a seminal piece of work or
 - Long-term contribution to toxicological science and animal welfare

Award: Plaque and cash stipend

Founders Award

Award statement: The SOT Founders Award is presented to a full or retired full member of the Society of Toxicology who has demonstrated outstanding leadership in fostering the role of toxicological sciences in safety decision-making through the development and/or application of state-of-the-art approaches that elucidate, with a high degree of confidence, the distinctions for humans between safe and unsafe levels of exposures to chemical and physical agents. The deadline is November 5.

Criteria for award:

- Full or Retired Full Member of the Society
- Leadership in fostering the role of toxicology in safety-decision making
- Significant contributions to toxicology

Award: plaque and a cash stipend

Graduate Student Travel Support

Award Statement: Travel support to the Annual Meeting is provided to graduate students in toxicology who are presenting platform talks or posters research at the meeting. Recipients are selected by a randomized process with students who have the most seniority in graduate school having the highest priority.

Criteria for award:

- Applicants must be student members of the Society or have a membership application pending as of October 9
- Abstract accepted for the meeting
- Randomized selection--Applicants are randomly ordered within 3 groups based on longevity in graduate school (4 or more as of year of application; 2-3, 0-1); priority is to fund those with the longest tenure in graduate school
- Can only receive the funding once

Award: funding amount determined annually by Awards Committee

Leading Edge in Basic Science Award

Award statement: The Leading Edge in Basic Science Award is presented to a scientist who, based on his/her research, has made a recent (within the last 5 years), seminal scientific contribution/advance to understanding fundamental mechanisms of toxicity. The recipient should be a respected basic scientist whose research findings are likely to have a pervasive impact on the field of toxicology.

Criteria for award:

- May be a member or nonmember
- Toxicologists as well as other scientists who may not identify themselves with the discipline of toxicology
- Contribution in the last five years
- Seminal, basic scientific contributions that have the potential to impact toxicology

Award: Plaque and a cash stipend, invitation to deliver a featured presentation at the Annual Meeting at which the award is given, invitation to write a review for *Toxicological Sciences* that relates to the research for which the award was given.

Merit Award

Award Statement: 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.

Criteria for award:

- Distinguished contributions to toxicology

Award: plaque and cash stipend

Minority Undergraduate Student and Advisor Awards

Award Statement: 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 awards are for those from races and ethnic groups underrepresented in the sciences and for their advisors. The program is supported in part by NIH-MARC, Pfizer, and Johnson & Johnson, and other sponsors.

Criteria for award:

For Students

- U.S. citizen or U.S. permanent resident
- Member of an ethnic/racial group underrepresented in the sciences (African American, Native American, or Hispanic Americans)
- Current enrollment as an undergraduate student at an accredited institution
- A minimum GPA of 3.0 in all courses
- Recommendation from an advisor at institution
- Preference: sophomore or junior standing
- Must not be a previous awardee

For Advisors

- May have any racial/ethnic background
- Must serve in a significant role as an advisor or mentor to students who belong to an ethnic/racial group underrepresented in the sciences (African American, Native American, or Hispanic/Latino)
- May not have received the award in the previous two years
- Can not be an active or pending SOT member

Award: Special program and materials, certificate, and complimentary meeting registration; support for travel, lodging, and meals is provided for students and advisors who are not local to the meeting site.

Perry J. Gehring Diversity Student Travel Award

Award statement: The Perry J. Gehring Diversity Student Award recognizes a student who participated in the SOT Undergraduate Program, is from an ethnic group underrepresented in toxicology (African American, Hispanic, Native American or Pacific Islander), and is presenting a paper at the upcoming SOT meeting. The award recipient is selected by the Committee on Diversity Initiatives. Provided through the SOT Endowment Fund, this award recognizes a major figure in toxicology in the late 1990s. Perry J. Gehring served as SOT President in 1980-1981 and had a strong interest in encouraging individuals from ethnic groups under-represented in the sciences to enter biomedical sciences and toxicology.

Criteria for the Award:

- Applicant submitted an abstract accepted for the meeting
- Individual is from an ethnic group identified as underrepresented in toxicology (African American, Hispanic, Native American or Pacific Islander).
- Applicant has participated in the SOT Undergraduate Student Program within the last 4 years.
- Applicant may be an undergraduate or a graduate student, with preference given to graduate students.

Award: Plaque and travel stipend to assist in defraying expenses for the SOT meeting.

Public Communications Award

Award statement: 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 over a significant period of time. Examples of qualifying media in which the nominated communication may appear include: books, brochures, continuing education courses, data bases, extension bulletins, magazines, newspapers (local or national), public presentations, public forums, radio and television scripts, and workshops. The award consists of a plaque and a cash stipend.

Criteria for award:

- An individual
- Major contribution to awareness of the public on toxicological issues
- Accomplishments over a significant period of time through public communications

Award: plaque and cash stipend

Regional Chapter Student 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 sections on the SOT Web site for full details.

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. Visit the Special Interest Groups or Awards and Fellowship sections on the SOT Web site for full details.

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. Visit the Specialty Section or Awards and Fellowship sections on the SOT Web site for full details.

SOT/AstraZeneca IUTOX Fellowship

Award Statement: The AstraZeneca Company, in conjunction with SOT, sponsors a travel fellowship award annually through SOT and 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.

Criteria for award:

- Must be a senior scientist
- Must be from a country that is underrepresented
- Must have an active research program or currently be active in the practice of toxicology
- Demonstration of the ability to meet other expenses to attend the meeting

Award statement: The Translational Impact Award is presented to a scientist whose recent (last 10 years) outstanding clinical, environmental health, or translational research has improved human and/or public health in an area of toxicological concern. Scientists who are leaders in multidisciplinary team efforts that have contributed to alleviating toxicity-related health problems are particularly attractive candidates.

Criteria for award:

- May be a member or nonmember
- Can include toxicologists as well as other scientists with any background (clinicians, basic scientists, epidemiologists, engineers, etc.)
- Research contribution in the last 10 years
- Research has had a clinical, public health or translational impact to improve the health of individuals exposed to toxic agents

Award: Plaque and a cash stipend, invitation to deliver a featured presentation at the Annual Meeting at which the award is given, invitation to write a review for Toxicological Sciences that relates to the research for which the award was given.

Translational Impact Award

Award statement: The Translational Impact Award is presented to a scientist whose recent (last 10 years) outstanding clinical, environmental health, or translational research has improved human and/or public health in an area of toxicological concern. Scientists who are leaders in multidisciplinary team efforts that have contributed to alleviating toxicity-related health problems are particularly attractive candidates.

Criteria for award:

- May be a member or nonmember
- Can include toxicologists as well as other scientists with any background (clinicians, basic scientists, epidemiologists, engineers, etc.)
- Research contribution in the last 10 years
- Research has had a clinical, public health or translational impact to improve the health of individuals exposed to toxic agents

Award: Plaque and a cash stipend, invitation to deliver a featured presentation at the Annual Meeting at which the award is given, invitation to write a review for Toxicological Sciences that relates to the research for which the award was given.

Undergraduate Toxicology Education Program Award

Award Statement: The Undergraduate Toxicology Education Program Award provides 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.

Criteria for award:

- U.S. citizen or U.S. permanent resident
- Current enrollment as an undergraduate student at an accredited institution receiving limited federal funding for science and engineering
- A minimum GPA of 3.0 in all courses
- Recommendation from the advisors at your institution
- Preference: first generation college attendee (neither parent graduated from a four year institution)
- Preference: sophomore or junior standing
- Have not previously received the award

Award: Special program and materials, certificate, and complimentary meeting registration; support for travel, lodging, and meals is provided for students and advisors who are not local to the meeting site.

Sponsored Awards and Criteria

AstraZeneca Traveling Lectureship Award

Award statement: 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 along with a plaque.

Applications must include a statement of the applicant's experience and area of expertise. A proposed itinerary and its underlying rationale should be provided, along with an indication of the benefits that the lectureship will confer on the applicant. The itinerary must include a visit and lecture at AstraZeneca's Alderley Park Facility in Cheshire, England. Candidates should contact the itinerary hosts prior to submission of the application. This application is active for only one year.

Criteria for award:

- Established, mid-career North American scientist
- Member of the Society
- Demonstrate the ability to develop collaborative relationships with European colleagues

Award: plaque and \$6,000

Colgate-Palmolive Grants for Alternative Research

Award statement: 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
- 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.

Criteria for award:

Applicant

- Applicant's capacity to conduct the described research
 - Must work in an established laboratory or have access to a laboratory able to perform the research detailed in the submission.
 - Level of training, experience and competence commensurate with proposed research
- Quality of past scientific publications
- Do not have to be a member of the Society of Toxicology (if not a member, awardee will apply)

Implication for the 3R's

- The project clearly lies within the Primary Research Areas defined
- The project has potential for advancing the field of study
- The project will have an impact on experiments involving animals and the method replaces or reduces the number of animals used in research

Research Plan's Scientific and Technical Merit

- Scientific quality and originality of the research plan
- Feasibility of the objectives
- Budget appropriateness and efficiency

Award: plaque and the maximum award of \$40,000

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

Award Statement: 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 an agreement between Colgate-Palmolive and the postdoctoral fellow. Postdoctoral trainees in their first year of study beyond the Ph.D., M.D., or D.V.M. degree who are academic institutions, federal/national laboratories or research institutes worldwide may apply. The Awards Committee will review applications, which are due in even calendar years and the fellowship is awarded for the following year. The next award application deadline is October 9, 2010 for the 2011 award.

Criteria for award:

- Postdoctoral trainees employed by academic institutions, federal/national laboratories, or research institutes
- Doctoral degree must have been conferred before this fellowship is awarded
- Preference will be given to applicants in their first year of postdoctoral study.
- Applicant or postdoctoral advisor must be a member or pending member of the Society. If the recipient is not a member, he or she will be required to submit a membership application before the fellowship is conferred.
- Proposed research should involve alternative methods as defined by the "three R's"
- Potential of the proposed work to contribute to the advancement of the field of alternatives

Award: plaque and stipend and research-related costs (up to \$38,500) for one year, which may be renewed for a second year upon agreement of the sponsor and recipient

Colgate-Palmolive Awards for Student Research Training in Alternative Methods

Award statement: The purpose of the Colgate-Palmolive Awards for Student Research Training in Alternative Methods is to enhance graduate student research training using *in vitro* methods or alternative techniques to reduce, replace or refine use of animals in toxicological research. Up to five awards at \$3,500 each are available. Deadlines for applications are Feb. 15, Jun. 15, and Oct. 9.

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 1) at a laboratory away from their home institution, 2) at a laboratory at their home institution that would not be available to them otherwise, or 3) at 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. The proposal will include a budget of up to \$3,500 to defray travel, per diem, training expenses, and research costs.

Criteria for award:

- Enrolled in Ph.D. or M.S. study in the discipline of toxicology
- Student member of or pending student member of the Society at application deadline
- Proposed training must involve *in vitro* or *ex vivo* methods or alternative techniques to reduce, replace, or refine the use of animals in toxicological research
- Application must clearly explain how this training relates to the goal of the award program
- Willingness of host to assist with the training or acceptance to the program

Award: plaque and up to \$3,500 to defray travel, per diem, training expenses, and research

Colgate-Palmolive Traveling Lectureship in Alternative Methods in Toxicology Award

Award Statement: 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 simulate 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 Specialty Section SOT Regional Chapter, 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 applicant's 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.

Criteria for award:

- Established mid-career through late-career scientist
- Expertise involves methodology that reduces, refines, or replaces traditional animal models and advances the field of alternatives
- Member of the Society
- Evidence of developing collaborative relationships with scientists at other institutions

Award: plaque and up to \$15,000 is available; funding for each award will be commensurate with planned itinerary

Graduate Student Fellowship Award—Novartis

Award statement: The Graduate Student Fellowship Award—Novartis is available to 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 Award Committee's evaluation is based primarily on originality of the dissertation research productivity, relevance to toxicology, scholastic achievement and letters of recommendation. Finalists are interviewed at the Annual Meeting and receive travel support.

Criteria for award:

- Enrolled in Ph.D. study in the discipline of toxicology
- Advanced to candidacy for the Ph.D. at the time of the application
- Originality of the dissertation
- Research productivity
- Relevance of work to toxicology
- Scholastic achievement
- Research director is a member of the Society
- Applicant is student member of the Society, or student membership is pending at application deadline

Items needed in application:

1. Application form
2. Description of dissertation research
3. Copies of up to three publications
4. Reference form and letter from research mentor
5. Reference form and second letter of reference
6. Reference form and third letter of reference

Award: plaque and cash stipend

Pfizer Undergraduate Student Travel Awards

Award Statement: Pfizer Undergraduate Student Travel Awards are presented through the Society of Toxicology to outstanding undergraduates who are presenting research at the Annual Meeting. The purpose of this award is to foster an interest in graduate studies in the field of toxicology. Pfizer, Inc. will provide up to 5 awards per year. Awardees will be selected based on the quality of the submitted poster abstract, personal statement, and their advisor's supporting recommendation. The selected undergraduates will receive travel support and free registration for the meeting and a plaque presented at the SOT Awards Ceremony. Recipients will also be recognized at a special event with Pfizer scientists. Awardees will be matched with a Pfizer scientist to mentor them during the meeting and will attend the Society of Toxicology Undergraduate Education Program on Sunday as well as other meeting activities.

Criteria for award:

- Abstract submitted by applicant that was accepted for the meeting
- Nomination/Letter of reference by research advisor
- Enrolled in an undergraduate program of study

Award: Plaque, travel support, special meeting events, and complimentary meeting registration

Syngenta Fellowship Award in Human Health Applications of New Technologies

Award statement: The Syngenta Fellowship Award in Human Health Applications of New Technologies is presented to either a third year (or later) graduate student or a postdoctoral trainee. The funding (\$15,000) is to support mode-of-action research aimed at characterizing dose-dependent effects of xenobiotics on mammalian systems in such a way that the causal sequence of key events underlying toxicity is elucidated. The work should permit a quantitative basis for extrapolation of the results from animal bioassays or animal models (*in silico*, *in vitro*) to humans at relevant human doses. The awardee will receive funding to travel to the SOT Annual Meeting to accept the award and for travel to a Syngenta facility later to present the results. This is a one year, non-renewable award.

Criteria for award:

- Third year (or later) graduate student or postdoctoral trainee employed by academic institution, federal/national laboratory, or research institute
- Applicant is member of the Society, or membership is pending at application deadline. Does not have to be a member (if not a member, awardee will apply before the fellowship is conferred).

Award: The award consists of a plaque, fellowship funds, travel to the SOT meeting to accept the award, and travel to a Syngenta site after one year to present the results.