

Toxenlaces

The Hispanic Organization of Toxicologists (HOT) is a Special Interest Group
of the Society of Toxicology



HOT Officers and Contacts

Ofelia A. Olivero, Ph.D., ATS
President

oliveroo@exchange.nih.gov

Les Recio, Ph.D.

Vice President

lrecio@ils-inc.com

Minerva Mercado-Feliciano, Ph.D.

Secretary

mercadofelicim@niehs.nih.gov

Sergio Villalobos, Ph.D.

Treasurer

27410@yahoo.com

Ranulfo Lemus Olalde, Sc.D. DABT

Councilor

ranulfo.lemus-olalde@arcadis-us.com

Betina Lew, Ph.D.

Councilor

lew.bj@pg.com

Maureen McConnell Díaz, M.S.

Councilor

maureen.p.mcconnell.civ@mail.mil

Jorge Muñoz Ortiz, Ph.D.

Postdoctoral Representative

munizortiz.jorge@epa.gov

Azita Cuevas, MPH

Student Representative

amj316@nyu.edu

Pedro L. Del Valle, Ph.D.

Past President

pedrodelvalle@comcast.net



From the President	P.1	Feature Trainee Needed	P.6
HOT Travel Award	P.2	Special Thanks	P.6
SRA-LA Meeting	P.3	HOT Sister Organizations	P.6
HOT Members Presentations	P.3	SRA-LA Flyer	P.7
Upcoming Events Calendar	P.4	SOT Annual Meeting Sponsors	P.8
When I Grow Up	P.5		

From the President

Dear colleagues and friends,

Our Annual Meeting is coming in less than a month and I would like to highlight some of the events you should be attending.

First, do not forget to stop by the Pavilion and look for your HOT officers. This year we will not have a dedicated booth but we will be there volunteering for the SOT. As usual, our HOT community will gather together and bring enthusiasm and energy to the Pavilion. Look for your yellow HOT pin too!

Second, be sure you attend our reception (see announcement below). Travel Awards will be presented, delicious food will be served and, as usual, meeting your friends and talking to people will take place.

Third, be supportive of your colleagues and attend presentations, posters, or other events where members of HOT are involved (check list on page 3). If you see posters with ribbons provided by HOT, introduce yourself to the member – a travel award winner - and get interested on their line of research. Be sure to go back home with multiple business cards, ideas and energized to continue making a difference to others.

Fourth, it will be a great mentoring opportunity on Monday, March 12, from 6:15 am to 8:00 am.

Registration for mentees is open until February 17 at a cost of \$10/person. Registration includes a continental breakfast, panel presentations, breakout groups, and more. Registration and more information can be found at:

www.toxicology.org/isot/sig/wit/announcements.asp

Experience the next generation “Mentee-Mentor Match” and learn all about building towards the future of Toxicology at the Mentoring Breakfast.

Fifth, get to know the officers of HOT and volunteer to become part of the Executive Board as a candidate for the future elections. Become part of this incredible group of colleagues that supports each other and helps us growth and build bridges through toxicology.

See you all in San Francisco!!

Ofelia Olivero, Ph.D., ATS

HOT President

Building Bridges Through Toxicology



HOT RECEPTION ON THE SOT MEETING

Tuesday March 13, 2012 from 6 to 9 pm

at **JILLIAN'S @ METREON**

101 4th Street, Suite 1070, San Francisco, CA 94103

Outline program

- ❖ Reports from Outgoing and Incoming Presidents
- ❖ Travel Awards Presentations
- ❖ New HOT Board Presentation
- ❖ Sister Organization Presentation
- ❖ Networking

HOT Travel Awards: A Success Story

By **Betina Lew**
HOT Awards Committee Chair

I would like to personally thank and congratulate each one of the trainees (Grad Students and Postdocs), that applied for the travel awards to attend the 2012 Annual Meeting in San Francisco, for the outstanding quality of research presented.

This year I am especially excited by the record number of applications received and the excellent quality of work! Most importantly, our applicants were from a broad variety of institutions from USA (New York State, California, Texas, Iowa, Oregon), and Latin America (Mexico City, Sao Paulo, Bogota).

Once again, the HOT pioneers in *Building Bridges Through Toxicology* in and outside the US!

Congratulations to the awardees!! They are going to receive a monetary help to attend the annual meeting and a plaque at the HOT reception (see announcement on page 1). The winners of this year are:



Azita Cuevas, Ph.D. Student
at New York University School of Medicine
(New York, USA)



Elena E. Hernández Ramón, Ph.D.
Postdoctoral Fellow at NIH – NCI,
(Maryland, USA)



Jonathan Motts, Ph.D. Student
at University of South Carolina
(South Carolina, USA)



María Isabel Alvarado Cruz, Ph.D. Student
at Centro de Investigación y Estudios
Avanzados del Instituto Politécnico Nacional
(Mexico City, Mexico)

The HOT would like to recognize the companies that are making it possible for those trainees to attend the SOT Annual meeting and donating a generous financial grant to the awardees:

Asociación BioTox
For a safe life. Elche Spain



***Ingenieros
Lemus de
Mexico***





II Regional Meeting of Society of Risk Analysis – Latin America Regional Chapter

The Latin America Regional Chapter of the Society for Risk Analysis (SRA-LA) will be holding its **II Regional Meeting** on **April 9-12, 2012** at **Bogota, Colombia**. Activities will include science pre-meeting courses, lectures from international experts in the field of Climate Change, Natural Threats, New Technologies, and Contamination/Environmental Health, in addition with the traditional poster and oral presentation sessions with colleagues coming from all over the Americas.

This is an unique opportunity for technicians, researchers, consultants and government officers, with interest in disciplines related to Risk Analysis, to know about what has been done in the region, plan collaborations with colleagues, participate in SRA-LA development, and meet professionals from Academia, Government, Industry and Consulting sectors. Besides, attendants will have the opportunity to enjoy of natural attractions as mountains, lakes, islands and beaches (see flyer on page 7).

For more details about the scientific program and registration process, please visit the websites www.srala.org and <http://congresosrala2012.uniandes.edu.co>, or contact **Dr. Marcelo Wolansky** (presidencia.srala@gmail.com), President of SRA-LA, for more information.

SRA-LA is looking forward to see you there!!



HOT Members Presenting Research at SOT 2012 Annual Meeting

Some of our HOT members will be presenting the results of their research projects in the coming SOT Annual Meeting at San Francisco, CA. We encourage you to visit their posters or oral presentations, to meet them, get interest in their research and establish networking. Check the list below to know the day and time of their presentations (poster sessions are by board number).

POSTER SESSION

Exhibit Hall A-C

Monday March 12, 2012

9:30 AM to 12:30 PM

Session: Toxicity of Mixtures

215: ALTERED GENE EXPRESSION IN HEPG2 CELLS EXPOSED TO COAL EXTRACT.

Authors: A. Guerrero-Castilla, B. Arroyo-Salgado, N. Pajaro-Castro, K. Franco-Valencia, N. Coronado- Posada, and J. Olivero-Verbel.

220: ENVIRONMENTAL EXPOSURE TO POLYCYCLIC AROMATIC HYDROCARBONS, BENZENE, LEAD, PM₁₀ AND PM_{2.5} AND THEIR IMPLICATIONS IN OXIDATIVE DAMAGE IN MEXICAN CHILDREN.

Authors: Sánchez-Guerra, L. Hernández-Cadena, L. Espinosa-Juarez, V. Pérez-Monroy, I. Alvarado-Cruz, N. Pelallo-Martínez, V. Mugica, A. González-Palomo, R. Angulo, A. Barraza-Villarreal, F. Díaz-Barriga, E. Melgar-Paniagua, A. De Vizcaya-Ruíz, and B. Quintanilla-Vega.

Tuesday March 13, 2012

9:00 PM to 12:30 PM

Session: Food Safety and Nutrition II

347: SAFETY OF CALCIUM AND SODIUM BENTONITE CLAYS AS ENTEROSORBENTS FOR AFLATOXIN.

Authors: A. G. Marroquin-Cardona, Y. Deng, J. F. Garcia-Mazcorro, N. M. Johnson, N. J. Mitchell, L. Tang, J. Wang, and T. D. Phillips.

1:00 PM to 4:30 PM

Session: Chemical and Biological Weapons: Agents and Countermeasures

144: THIOREDOXIN REDUCTASE MEDIATES NITROGEN MUSTARD-INDUCED ACTIVATION OF NF-KAPPAB/STAT3 SIGNALING IN LUNG EPITHELIAL CELLS.

Authors: Irene Wohlman; Yi-Hua Jan; Diane E. Heck; Robert P. Casillas; Debra L. Laskin; Jeffrey D. Laskin.

152: TRANSIENT INHIBITION OF CONNEXIN43 EXPRESSION ATTENUATES THE ACUTE INFLAMMATORY RESPONSE IN THE SKIN OF HAIRLESS MICE EXPOSED TO THE SULFUR MUSTARD ANALOG NITROGEN MUSTARD.

Authors: James D. Wang; Rita A. Hahn; Marion K. Gordon; Robert P. Casillas; Donald R. Gerecke; Yoke-chen Chang

Session: Nanotoxicology: Nanoparticles III.

223: ASSESSING THE PHYSICO-CHEMICAL AND BIOLOGICAL RESPONSES OF GOLD-BASED NANOMATERIALS IN EXPOSURE MEDIA.

Authors: F. L. Sinche, M. R. Mackiewicz, and S. L. Harper.

236: SYNTESIS, CHARACTERIZATION AND BIOLOGICAL *IN VITRO* ACTIVITY OF FUNCTIONALIZED METAL OXIDE NANOPARTICLES.

Authors: Palacios-Hernandez Teresa D; Sánchez JL, Momot D, Berry CC, Olivero OA, González-Vergara E, Méndez-Rojas MA.

Session: Pesticide Toxicology

242: GENIC EXPRESSION CHANGES IN MOUSE EMBRYONIC STEM CELLS AFTER 12 HOURS EXPOSURE TO CHLORPYRIFOS AND ITS METABOLITE

Authors: Estevan, Carmen; Vilanova, Eugenio; Sogorb, Miguel Angel

256: KINETIC INTERACTION OF PMSF (A NEUROPATHY PROMOTER) WITH MEMBRANE BOUND ESTERASES WHICH ARE SENSITIVE OR RESISTANT TO ORGANOPHOSPHORUS INDUCERS OF DELAYED NEUROPATHY.

Authors: Vilanova, Eugenio; Mangas, Iris; Estevez, Jorge

Session: Cardiovascular Toxicity II

403: Ni IN AMBIENT PM CAUSES MICROVASCULAR DYSFUNCTION VIA NO AND NADPH PATHWAYS.

Authors: A. K. Cuevas, E. Liberda, C. Chiu, Q. Qu, and L. Chen.

Session: Immunotoxicity: Evaluation

515: EVALUATION OF THE COOPERATIVE PROINFLAMMATORY EFFECT BETWEEN ENDOTOXIN AND (1-3)-B-D-GLUCAN WITH THE *IN VITRO* PYROGEN TEST.

Authors: F. E. Rivera-Mariani, T. Hartung, and P. N. Breyse.

Session: Pharmacogenomics/Genetic Polymorphisms

552: CATALASE CAN PROTECT CELLS AGAINST THE GENOTOXIC EFFECTS OF MONOMETHYLARSONOUS ACID.

Authors: J. G. Muniz Ortiz, K. Wallace, and A. D. Kligerman

553: NQO1*2 POLYMORPHISM MODIFIES THE DNA DAMAGE IN MEXICAN CHILDREN ENVIRONMENTALLY-EXPOSED TO BENZENE.

Authors: I. Alvarado-Cruz¹, M. Sánchez-Guerra, L. Hernández-Cadena, V. Pérez-Monroy, M. J. Solís-Heredia, N. Pelallo-Martínez, F. Díaz-Barriga, P. Escalante-Galindo, and B. Quintanilla-Vega.

WORKSHOP Room 304

Tuesday March 13, 2012

1:30-4:15pm

Session: Biomarkers and Associated Health Consequences of Pesticide Exposures in Hispanic Populations

Title: Biomarkers and associated health consequences of pesticides exposures in Hispanic populations

Author/Chairperson: Azita Cuevas

POSTER SESSION Exhibit Hall A-C

Wednesday March 14, 2012

9:00 am to 12:30 pm

Session: Exposure Assessment: Case-Specific Characterizations

533: RE-VISITING THE IMPACT OF BIOLOGICAL AND EXPERIMENTAL CONDITIONS OF LABORATORY ANIMAL STUDIES ON ESTIMATIONS OF RISK OF NEUROTOXICITY BY EXPOSURE TO PESTICIDES IN HUMANS: THE PYRETHROID CASE.

Authors: M. J. Wolansky, K. M. Crofton, D. M. Romero, and R. Tornero-Velez.

Session: Gene Regulation and Signal Transduction

632: IDENTIFICATION AND CHARACTERIZATION OF TRANSCRIPTIONAL CONTROL ELEMENTS REGULATING A NOVEL RECEPTOR MEDIATED SIGNALING REGULATOR, TNIP1.

Authors: P. C. Encarnacao, C. Zhang, S. Livings, and B. J. Aneskievich

1:00 pm to 4:30 pm

Session: Endocrine Toxicity

121: BISPHENOL-S DISRUPTS E2-INDUCED NON-GENOMIC SIGNALING IN AN MERA-ENRICHED (GH3/B6/F10) RAT PITUITARY CELL LINE.

Author: R. Vinas, and C. S. Watson.

Session: Male Reproductive Toxicology

304: BLACK COHOSH (ACTAEA RACEMOSA) AFFECTS REPRODUCTION IN THE HARLAN SPRAGUE DAWLEY RAT.

Author: M. Mercado Feliciano, J. Bishop, K. J. Turner, B. McIntyre, and P. M. Foster

Session: Biomarkers of Environmental Exposure and Toxicity

444: IDENTIFICATION OF NOVEL BIOMARKERS OF MERCURY-INDUCED IMMUNE DYSREGULATION IN HUMANS.

Authors: J. Motts, E. K. Silbergeld, R. M. Gardner, and J. F. Nyland.

Session: Persistent Organic Chemicals

568: USING YEAST FUNCTIONAL TOXICOGENOMICS TO DECIPHER THE TOXICITY OF ORGANOCHLORINATED PESTICIDES.

Authors: B. Gaytan, A. Loguinov, N. Denslow, and C. Vulpe.

POSTER SESSION Gateway Ballroom

Thursday March 15, 2012

8:30 am to 12:00 pm

Session: Carcinogenesis

140: COMPARISON OF TAMOXIFEN (TAM)-DNA ADDUCT LEVELS IN UTERINE TISSUE FROM DIFFERENT SPECIES OF MONKEYS AND HUMANS EXPOSED TO TAM.

Authors: E. Hernandez Ramon, N. A. Sandoval, M. Cline, C. E. Wood, R. A. Woodward, and M. C. Poirier.

, HOT Travel Award Winners 2012.

For general information about SOT Annual Meeting program, visit: http://www.toxicology.org/ai/pub/Toxicologist_archive.asp

Upcoming Events	
2012	
Mar 11-15	SOT 2012 Annual Meeting http://www.toxicology.org/AI/MEET/AM2012/index.asp
Mar 25-30	Gordon Research Conferences: Antibody Biology & Engineering http://www.grc.org/programs.aspx?year=2012&program=antibody
Mar 26-28	Management and Leadership Skills for Environmental Health and Safety Professionals http://www.ccpe.sph.harvard.edu/EHS-Leadership
April 2-4	Risks Associated with Mixed Exposures http://www.inrs-mixed-expo2012.fr
April 9 - 12	II Regional Meeting of Society of Risk Analysis – Latin America Regional Chapter http://congresosrala2012.uniandes.edu.co
May 14-16	PPTOX III Environmental Stressors in the Developmental Origins of Disease: Evidence and Mechanisms http://www.toxicology.org/ms/cctMeetings.asp
May 30-Jun 1	The Contribution of Epigenetics in Pediatric Environmental Health http://www.regonline.com/CEHN



When I Grow Up: Thoughts from a Seasoned Toxicologist

By Azita Cuevas and Jorge G. Muñiz
Student and Postdoctoral HOT representatives



How does one realize their career interest in toxicology? How to choose what industry sector to go into? What is the trajectory one must follow to get there? How to best navigate opportunities that will, in turn, groom the most marketable and successful individuals in the ever-growing, ever-competitive profession of toxicology?

These are all questions that students, trainees and professionals alike mull over as they carefully consider their career path choices. The truth is that there are no simple answers to these seemingly simple questions. In fact, since toxicology is such a multi-faceted discipline, every individual in toxicology has their own story, their own distinctive trajectory, and their own unique experiences that have defined their personal niche within the field.

As the student and post-doctoral representatives of HOT, we wanted a more global understanding to these questions; after all, inquiring minds want to know! Then, it hit us! Who better to answer these questions, than our very own seasoned professional members? As pioneers of our field they have shaped and driven the evolution of toxicology and serve as an amazing wealth of information. With that said, let us introduce you to a 25 year veteran toxicologist, **Dr. José Manautou**. Currently, he is a Professor of Pharmacology and Toxicology in the School of Pharmacy, Department of Pharmaceutical Sciences, at the University of Connecticut (UConn; CT, USA). He volunteered as our first interviewee.

How did he get to where he is today? Here are some basics: Dr. Manautou earned a B.Sc. in Pharmacy from the University of Puerto Rico (UPR), School of Pharmacy. During his undergraduate career he participated in a Summer Research Internship at Purdue University in Indiana (IN, USA) and, after some great mentorship from one of his professors at UPR, he returned to Purdue University, but this time to complete his Ph.D. in the field of pharmacology and toxicology. Upon completion, he asked himself the dreaded question: “to post-doc or not to post-doc.” To answer this question he did some self-evaluation and realized he had developed a love of solving research questions, a potential to teach others, and enthusiastically worked with students. So, with the goal to remain in academia, off he went to UConn, School of Pharmacy, to complete his postdoctoral training in toxicology with Dr. Steve Cohen, who during his time at UConn was devoted to developing young leaders in toxicology.

At this point in the interview we wondered, *what was it about science that initially caught his eye?* Since childhood he had an interest in science, specifically he recalls his interest in learning “how the body worked.” As many of us, during his undergraduate studies he realized that Medical School was not a snug fit and ventured off into pharmacy instead. “Pharmacy was a better option,” he explained to us, “I saw this avenue giving me science I wanted by learning the biology of medicine and then applying it to patient care.”

This prompted our next question, *how did he jump from pharmacology to toxicology?* Interestingly, his undergraduate coursework in toxicology was bland and boring; however, it was upon the advice of a Pharmacology Professor that he reconsidered toxicology. The lesson here: “do not be influenced by the first experiences you have, be willing to be flexible and try things out before you make up your mind,” said Dr. Manautou.

What is he doing now? His science continues to speak for itself; with a stellar post-doctoral experience, his department at UConn decided he was too much valuable to let him go, so he got hired as a Professor. His current research interests are built on the hepatotoxicology work from his post-doctoral training. Put simply, it is the mechanisms of action of hepatotoxicants and the potential for susceptibility to chemical injury that interests him.

Advice to beginners in the field: “Embrace and contribute to toxicology by making the most of your education.” Dr. Manautou stressed the importance of maintaining a diverse and supportive network. He went on to say, “know that the field is consistently evolving to incorporate many aspects of science.” He explained that this is most evident by the number of specialty sections that has sprouted up recently in SOT, all working to advance toxicology. Most importantly, he suggests we, as both seasoned toxicologists and future leaders in this field, take more responsibility of communicating our science to the public, “we allow others to speak on our behalf (the experts in the field) too often, and that “we should execute our ability to publically communicate key issues in toxicology better”.

Dr. Manautou attributes his success to lots of hard work, flexibility, openness and the blessing of great opportunities. He selected his opportunities wisely and this has allowed him to build an esteemed recognition from his peers that have made him an expert in the field of toxicology!

Stay tuned for the next “When I Grow Up” interview in the upcoming newsletter!



Looking for you!! Feature Trainee Needed



It is time the world knows about you!! We are looking for Hispanic trainees to be feature in *Toxenlaces*. I, Verónica Ramírez Alcántara, *Toxenlaces* Editor, invite all the trainee of Hispanic origin to tell us your fascinating story about the path that led you where you are now, your achievements and your goals. Trainees can be nominated by their self or by mentors.

Send an email to Minerva Mercado-Feliciano, HOT Secretary (mercadofelicim@niehs.nih.gov) for more information.

We all want to hear about your exciting scientific journey!!

SPECIAL THANKS

HOT want to express its gratitude to the person who made possible the sponsorship from different companies. Your generosity and interest for supporting and stimulating the scientific career of students and postdocs of Hispanic origin will be transformed in great opportunities for them. Thanks!

Eugenio Vilanova, Ph.D.
Association BioTox

Kevin Kerzee, Ph.D., DABT
Battelle

Mari S. Stavanja, B.S., M.Sc., Ph.D.
Celanese

Ranulfo Lemus Olalde, M.S., Sc.D., DABT
Ingenieros Lemus de México

Robert P. Casillas, Ph.D.
MRIGlobal

HOT Sister Organizations

AETOX – <http://www.aetox.com> .

Asociación Latinoamericana de Toxicología – <http://www.alatox.org/qsomos/index.html>

Asociación Toxicológica Argentina – <http://www.ataonline.org.ar>

Center of Environmental and Toxicological Research – University of Puerto Rico – <http://cetr.rcm.upr.edu>

PLAGBOL – Salud, Agricultura y Medio Ambiente – <http://plagbol.org.bo/noticias/enlaces>

Ritsq - <http://www.ritsq.org>

Sociedade Brasileira de Toxicologia – <http://www.sbtox.org.br/>

Sociedad Cubana de Toxicología

Sociedad Mexicana de Toxicología – <http://www.somtox.com.mx/wib/index.p>

Society for Risk Analysis Latin America – <http://www.srala.org/>

Toxicología Acuática Ambiental, Medicina Veterinaria-Universidad Nacional de Colombia

<http://www.docentes.unal.edu.co/fgonzalezma>

Universidad de Cartagena – <http://reactivos.com>

Thank
You!



II Congreso regional SRA-LA De la prevención a la atención



¿Sabías que la ocurrencia del fenómeno de El Niño conlleva a una reducción del 20% al 30% del régimen de lluvias, en la parte norte de la región Andina?

El Congreso Regional de la "Society for Risk Analysis Latin America" (SRA-LA) se realiza de manera bianual y convoca a investigadores, profesionales, docentes y estudiantes de Latinoamérica y el Caribe; con el ánimo de compartir experiencias asociadas al análisis de riesgo y la atención de emergencias.

Abril 9 al 12 de 2012

Fecha límite para la presentación de trabajos

Diciembre 20 de 2011



CIE
Agua

CIE
Energía

2012 HOT-SOT Annual Meeting Sponsors

The Hispanic Organization for Toxicologists (HOT) is a Special Interest Group (SIG) within the Society of Toxicology integrated by professionals of Hispanic origin with expertise in scientific areas associated with Toxicology. HOT membership is diverse representing industrial, academic, governmental, and commercial organizations from the USA and Ibero-America countries. It serves as a focal point for interaction, fellowship, networking, and professional development among Hispanic Toxicologists in the United States and the international Spanish and Portuguese-speaking scientific communities with emphasis in outreach to the Hispanic population and it operates in compliance with Section 501(c)(3) of the Internal Revenue Code. Please visit our web site at <http://www.toxicology.org/isot/sig/hot>.

Corporate sponsorship will help HOT bring together Hispanic Toxicologists in the United States and international Spanish and Portuguese-speaking Toxicologists attending the 2012 SOT Annual Meeting in San Francisco, California, March 11-15th for interaction, networking, mentoring, and expanding the SOT outreach efforts in global toxicology. Your organization's sponsorship will help sustain HOT's effort to promote scientific excellence in toxicology. HOT offers Travel Awards to support Students and Postdocs in the United States and other countries to offset the cost for presenting their research at the SOT Annual Meeting. HOT activities also include the evening reception and dinner sponsorship and bimonthly publication of our newsletter *Toxenlaces*. Your sponsorship also helps increase your organization visibility to SOT and HOT members, annual meeting attendees, and the international Spanish and Portuguese-speaking scientific communities, and provides opportunities for recruiting young scientist and experienced toxicologists to your company.

There are four levels of sponsorship available, as follows:

HOT Distinction Level 1: Evening Reception Sponsorship, \$1,700 or more

HOT Distinction Level 2: Distinguished Hispanic Toxicologist Lecture & Luncheon Sponsorship, \$1,200

HOT Distinction Level 3: Student & Postdoctoral Travel Awards Sponsorship, \$800

HOT Distinction Level 4: *Toxenlaces* Publicity Sponsorship, \$500

If you would like to sponsor any of these events of HOT at the 2012 SOT meeting, please send your check payable to "Society of Toxicology Fund for HOT-SIG" and mail to Society of Toxicology Fund, 1821 Michael Faraday Drive, Suite 300, Reston, VA 20190. If you have any further questions or need clarification, please email your inquires to Sergio Villalobos, Ph.D. Treasurer, 27410@yahoo.com.

2012 HOT-SOT Annual Meeting Sponsorship Opportunities

HOT Distinction Level 1: *HOT Evening Reception Sponsorship Benefits (\$1,700 or more)*

- Prize drawing box in your booth for a HOT drawing – two prizes awarded. Attendees will drop their business cards at your booth.
- Special front-page sponsorship acknowledgement in the February-March 2012 HOT Newsletter, *Toxenlaces*, copies available at the Annual Meeting HOT stand.
- Acknowledgment of your sponsorship and participation in the HOT Reception Night in a special report about the event in the April-May 2012 *Toxenlaces*, including pictures.
- Special sponsorship acknowledgement in the HOT Web site and *Toxenlaces* Newsletter (June 2012 through May 2013).
- Five invitations to the HOT Reception Night.

HOT Distinction Level 2: *Distinguished Hispanic Toxicologist Lecture or Lunch & Learn Sponsorship Benefits (\$1,200)*

- Special sponsorship acknowledgement in the February-March 2012 HOT Newsletter, *Toxenlaces*, copies available at the Annual Meeting HOT stand.
- Acknowledgment of your sponsorship and participation in the HOT Reception Night in a special report about the event in the April-May 2012 *Toxenlaces*, including pictures.
- Special sponsorship acknowledgement in the HOT Web site and *Toxenlaces* Newsletter (June 2012 through May 2013).
- Four invitations to the HOT Reception Night.

HOT Distinction Level 3: *Student & Postdoctoral Travel Awards Benefits (\$800)*

- Recognition in the February-March 2012 HOT Newsletter, *Toxenlaces*, copies available at the Annual Meeting HOT stand.
- Acknowledgment of your sponsorship and participation in the HOT Reception Night in a special report about the event in the April-May 2012 *Toxenlaces*, including pictures.
- Special sponsorship acknowledgement in the HOT Web site and *Toxenlaces* Newsletter (June 2012 through May 2013).
- Three invitations to the HOT Reception Night.

HOT Distinction Level 4: *Toxenlaces* Publicity Sponsor Benefits (\$500)

- Dedicated half-page space to publicize your company's products in the HOT Newsletter, *Toxenlaces*, June 2012 through May 2013 issues.
- Recognition in the HOT Web site.
- Two invitations to the HOT Reception Night.

