Latinx community at SOT

Ballot 2021

HOT Trainee Wall

HOT Professional Tip

www.toxicology.org/groups/sig/hot/newsLetter.asp
Dear HOT members,

We hope you all and your families are well and safe, and that you had a wonderful and Happy Holidays! We are really sorry if you have lost any family or friend to the CoViD-19 pandemic!

We are reaching the end of 2020, a year of unexpected challenges that has impacted us all, directly or indirectly. As I mentioned before, with great challenges we can come with greater solutions to move forward stronger as one diverse and inclusive family. Thanks to the hard work of health professionals, biomedical scientists and the pharmaceutical industry, we have started the beginning of the end of the CoViD-19 pandemic with the emergency approval of at least two CoViD-19 vaccines. However, we still need to be very vigilant and keep our safety measures (e.g., using face mask, social distancing) in order to help mitigate the spreading of the virus and eventually put an end this pandemic.

Despite this global pandemic, we are very excited for the upcoming 2021 SOT Annual Meeting, but more excited for our 2021 HOT Virtual Reception to recognize our HOT members and more. As a result of the outstanding work of our HOT Executive Committee (EC) and the HOT Education Committee this year, we are very excited to announce an HOT Online Mentor/Mentee Successful Experiences Panel Discussion to be held on spring 2021.

The HOT is extremely proud and congratulates our HOT members and awardees for their nominations for elected SOT leadership positions 2021-2022. They have an amazing track serving with passion and commitment to the SOT. Moreover, they have always served as role models and continue being the inspiration for future HOT generations! Please see for more information in page 9.

HOT continues working hard to promote diversity and inclusiveness. Therefore, the HOT EC has started an initiative to identify leaders within our HOT membership to nominate them to serve in SOT leadership elective positions, and outstanding toxicologist to be nominated to SOT national awards. Moreover, we encourage all HOT members to recruit new members to join our HOT growing family, to become a mentor of young toxicologists, and to volunteer time for key HOT activities. Please, nominate a candidate or nominate yourself for HOT EC positions, contact me or the EC officers if you would like to give us ideas or volunteer in the HOT Committees.

It is very important to mention that our recent established HOT Endowment Fund will play an important role in promoting the career development of trainees/scientists of Ibero-american (Latin-Americans countries, Spain, and Portugal) in toxicology by providing the funds for HOT awards. We strongly encourage to donate by visiting the SOT’s endowment fund website. We strongly encourage you to donate money (any amount will help) to our recently established Endowment Fund and/or look for Sponsors for our Travel Awards.

We wish the very best for New Year 2021!

Stay safe and continue working hard to create a safer and healthier world by advancing science and increasing the impact of toxicology. And remember, together we can continue building bridges with toxicology! #IamHOT

Un fuerte abrazos!

Enrique Fuentes-Mattei, Ph.D.
HOT President
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**EDITORIAL BOARD**

- Julia Rezende da Silva
- Julieta Martino
- Aline de Conti
- Teresa Palacios-Hernández
- Carmen Rubio Armendáriz
HOT ANNUAL AWARDS CEREMONY AND RECEPTION

VIRTUAL SESSION
Tuesday, March 25th
4:00 PM to 5:30 PM ET

Program
Message from the President
2020 and 2021 Awards Presentation
2020 HOT Officers Recognition
2021 HOT Officers Welcome
VIRTUAL SALSA DANCING
MEMBERS ACHIEVEMENTS

PUBLICATIONS

Recently, two papers were published by Pablo Scharf and his research group from University of São Paulo, Brazil:

**Cellular and Molecular Mechanisms of Environmental Pollutants on Hematopoiesis**
Pablo Scharf, Milena Fronza Broering, Gustavo Henrique Oliveira da Rocha, Sandra Helena Poliselli Farsky
https://doi.org/10.3390/ijms21196996

**Immunotoxic mechanisms of cigarette smoke and heat-not-burn tobacco vapor on Jurkat T cell functions**
Pablo Scharf, Gustavo H. O. da Rocha, Silvana Sandri, Cintia S. Heluany, Walter R. Pedreira Filho, Sandra H. P. Farsky
2021, *Environmental Pollution Journal, Vol. 268 (Part B):* 115863
https://doi.org/10.1016/j.envpol.2020.115863

AWARDS

Our HOT Vice President Aline de Conti was a co-author on the SOT 2021 *Toxicological Sciences* Paper of the Year Award:

**Gene Expression and DNA Methylation Alterations in the Glycine N-Methyltransferase Gene in Diet-Induced Nonalcoholic Fatty Liver Disease–Associated Carcinogenesis**
https://doi.org/10.1093/toxsci/kfz110

CERTIFICATIONS

Stephanie Quijano, MS, CPPS, Hazard Communication Specialist at Chevron Phillips Chemical Company LP received her “Certified Professional Product Stewardship” certification from the Board for Global EHS Credentialing (BGC). The certification is new and she was part of the first group to become a recipient of the CPPS designation, awarded Fall 2020. The practice of Product Stewardship encompasses the health, safety, regulatory compliance, legal, sustainability, and environmental aspects of chemical raw materials, intermediates, or industrial, commercial, and consumer products throughout their life cycle and across the value chain.

ERRATA

In Toxenlaces Spring Issue/March – May 2020 (Issue 62), page 12, the first two paragraphs should be replaced by the following sentence: “The Fisheries Institute of the Agribusiness Agency of São Paulo State has a graduate program in aquaculture and fisheries that aims to empower scientifically and technologically high-level professionals in several areas, including in aquatic ecotoxicology. This research group led by Prof. Cláudia Maris Ferreira, Ph.D. and Prof. Cintia Badaró-Pedroso, Ph.D. has been developing projects for about 15 years studying the toxicity of effluents, chemicals and pesticides on oomycetes, rotifers, amphibians and zebrafish embryos (França et al., 2015; Borrely et al., 2016; Resendes et al., 2018; Badaró-Pedroso et al., 2019); as well as the effectiveness of chemotherapeutic agents to control fungal diseases of economic importance to aquaculture. Both researches are supervising the M.Sc. student Débora Colombo in the project “Experimental infection of zebrafish embryos with pathogenic oomycetes and use of bioactive plant compounds for treatment”.”
Latinx community at SOT
It certainly takes a village to raise a Toxicologist!

BY BETINA LEW

The Latinx community at the Society of Toxicology (SOT) is a great reflection of the membership at large. Our community is composed of a diverse group represented by people of different scientific backgrounds, different nationalities, and very broad diversity of thinking! Many of our members were brought to this country as children and are the first generation of college Graduate (and PhDs!) in their families. Their parents had a dream and worked hard to help their children succeed! Others, arrived as Graduate or Undergraduate students because their country of origin would not offer the necessary resources for them to pursue their research. They learned a new language, they published scientific papers, they became successful Toxicologists in the US FDA, in the US EPA, in the big Pharmaceutical and Consumer Goods Companies. They also became Professors and Department Chairs in the Universities.
We have high skilled scientists representing the Latinx in every sector (Academia, Industry and Government), in every position, from Scientists to VPs, we have members working in regulatory sciences, product safety and many other functions of product development and life cycle management. Our members are study directors in CROs, they are conducting state of the science academic research focused on issues related to women, issues thought to be related to a specific ethnicity, receptors, metals, solvents, pesticides and everything else in between! We have many Latinx members that are Board Certified Toxicologists (DABT), European Registered Toxicologists (ERT) and Fellows of the Academy of Toxicological Sciences (ATS).

In 2004, our community founded the Hispanic Organization of Toxicologists, HOT (name which I personally questioned many times because it sounded exclusive to people of Spanish speaking countries and sounded like the Portuguese-speaking countries were not included, but “HOT” was too good of a name to not be “HOT” anymore – I agree!). To avoid confusion, we made sure to clarify that despite being “Hispanic Organization” our HOT is a very inclusive organization and people from all origin is welcome. It was indeed funded to focus on issues related to members that came from Spanish and Portuguese-Speaking countries to the US and it grew to include people that live in these countries currently. HOT became a SOT Special Interest Group (SIG) in 2006. Since then, Tuesday nights at the annual meeting were changed! Our reception became famous across SOT because we always make sure to have the fiesta, with typical music and dancing, once the business meeting is completed, of course. We brought many new members to SOT. We created the “sister organizations”, which is focused in “Building Bridges Through the Science of Toxicology” and increasing SOT outreach in Latin America and Spanish and Portuguese-speaking countries in other continents as well.

HOT has fabulous mentor-matching opportunities. Every year during the annual meeting we promote at least one event focused in the mentor-mentee relationship. Typically, during the annual meeting we promote a Tuesday Luncheon in which more experienced Toxicologists have the chance of interacting with the newer bees and exchange their experience with them (and learn as well, from them).

While our community is growing stronger every day, we are here to support each other and to continue building bridges through Toxicology. With the support of HOT, we are increasing the visibility of our members, promoting their incredible work, and putting forward their names for the National SOT awards and the HOT awards. With the goal of fostering equality within our community, we must continue to increase our member participation in the many elected and appointed committees by nominating our peers and ourselves for these positions to assure that our voice is heard and our opinion matters.
The HOT Global Outreach is constantly growing. Currently we have 13 International Organizations (“Sister Organizations”) and 4 universities affiliated with HOT. They include but are not limited to: Asociación Latinoamericana de Toxicología (ALATOX), Asociación Española de Toxicología (AETOX), Asociación Toxicológica Argentina (ATA), Sociedade Brasileira de Toxicologia, Society for Risk Analysis Latin America (SRA-LA), Center for Environmental, Toxicological Research of the University of Puerto Rico and recently HOT welcome the Sociedade Brasileira de Ecotoxicologia to our network. HOT Global Outreach programs are becoming a model of inclusivity and international participation to the whole SOT.

On a personal note, I believe that it truly takes a village to raise a child. My village is SOT and HOT. I remember very well the first time I attended a HOT reception and my first question was: “are you sure it is OK to have a Brazilian attending?” and the response was a chuckling “Claro!”, OF COURSE! Throughout my own diverse career, I have never felt as welcomed in any professional society as I feel at SOT and HOT. I was awarded travel awards, had the opportunity to serve on the Executive Committee and in the Presidential chain. Had (and have) many mentors, advocates, sponsors, mentees and met many of my best friends in the US at HOT/SOT! So, THANK YOU! GRACIAS! OBRIGADA!

I would like to take this opportunity to recognize some of the HOT founding fathers and mothers: Braulio Jimenez-Velez; Mari Stavanja; the father of the Sister Organizations: Pedro Del Valle; everybody’s Mentor: Ofelia Olivero; and many others! Obrigada Aline de Conti for the invitation to write about this wonderful community! Wishing everyone a very Happy Holidays, ¡Feliz Navidad, Feliz Natal e um Próspero Ano Novo!

Betina Lew, Ph.D., DABT, ERT
Associate Director of Toxicology/Biocompatibility
Johnson & Johnson
HOT Past President
HOT SPECIAL ANNOUNCEMENT

Four HOT Past Presidents and two HOT members are candidates for SOT elected positions!

HOT has been a crucial experience for several of these candidates, who are now competing for strategic positions and ready to give a different perspective and increase diversity in SOT!

CAST YOUR VOTE HERE:
https://www.toxicology.org/ballot2021

By February 1st, 2021

Vice President-Elect Candidate
- Ofelia A. Olivero, PhD, ATS
  - HOT Past President

Membership Committee Candidate
- Elena Hernandez Ramon, MD, PhD
  - HOT Past President

Nominating Committee Candidate from Past Presidents
- Kenneth S. Ramos, MD, PhD, ATS
  - HOT member

Awards Committee Candidate
- Pedro L. Del Valle, PhD, Fellow ATS
  - HOT Past President

Nominating Committee Candidate (SIGS)
- Silvia B. Barros, PharmD, MSc, PhD
  - Hot Past President

Nominating Committee Candidate from Past Presidents
- Peter L. Goering, PhD, DABT, ATS
  - HOT member
HOT is pleased to introduce our new sister organization

Welcome, Sociedade Brasileira de Ecotoxicologia!

Our HOT Councilor to Sister Organizations, Prof. Carmen Rubio Armendáriz, prepared a special interview with Flavio Manoel Rodrigues da Silva Júnior, President of Sociedade Brasileira de Ecotoxicologia. Enjoy!
Carmen(C): What is EcoTox Brasil, and what is its mission?

Flavio(F): The Brazilian Society of Ecotoxicology (EcoTox Brasil) was founded in 2000 and has more than 300 active members from all 27 Brazilian states. EcoTox Brasil's mission is to promote research, education, training and development of professionals in the field of Ecotoxicology. A board of directors consisting of nine people, each serving a 2-year term, governs it. The next administration will take over the board in May 2021.

C: How would you describe the profile of the members of EcoTox Brasil? How do you recruit and engage them?

F: Two thirds of our members are professionals and one third are students. Most are researchers linked to Brazilian universities, but some are members of government agencies, or employees in the private sector. Most of our members learned about EcoTox Brasil as a result of events promoted by the Society, the most important of which is the annual Brazilian Congress of Ecotoxicology.

C: What are the main activities of EcoTox Brasil, and how do you promote them?

F: In addition to the Brazilian Congress of Ecotoxicology, which is our showcase event, we support regional events organized by our members, and we support the participation of our associates in international events in the field. Our activities are promoted mainly on our official website https://ecotoxbrasil.org.br/ and through social media (Instagram and Facebook).

C: How does EcoTox Brasil engage the various stakeholders, including academia, government, and society?

F: At all our events, we try to give a voice to these three key constituencies, each of which has an interest in Ecotoxicology. We try whenever possible to encourage integration between sectors, and each year new initiatives appear to strengthen ties with society. For example, next year we plan to launch “EcoTox in Schools” as part of the next Brazilian Ecotoxicology Congress, with various conference attendees visiting schools to speak with students.

C: What are EcoTox’s Brasil strategic goals for the next 2 years?

F: The new Board intends to strengthen the links between academia, government, and the private sector and to promote the field of Ecotoxicology in less developed regions of the country, such as the Amazon region.

C: How is the field of Toxicology viewed in Brazil?

F: The field of Toxicology has been gaining prominence in Brazil in recent years, occupying more and more space in the news and on the internet. Social problems such as the “crack epidemic” and environmental problems such as the widespread use of pesticides, and fires in the Amazon and Pantanal, have been major issues capturing the country’s attention. Still, like other areas of science in Brazil, there has been little investment.
C: How is the field of Toxicology viewed in Latin America?

F: Brazil is an extremely important country in scientific and technological development within Latin America and, as a result, the trends described above are present, in very similar ways, throughout Latin America. However, every year, groups like EcoTox Brasil are collaborating more and more with similar organizations in many other Latin American countries. This collaboration is increasingly important for regional development, since investments in scientific research here are much lower than in the USA, Europe and Asia.

C: What are the most significant challenges facing the field of Ecotoxicology?

F: The greatest challenge for researchers in the field of Ecotoxicology is to raise awareness among governments about the importance of preserving the environment in order to maintain quality of life. Agenda 2030 looks beautiful on paper, but in practice, we are far from achieving the proposed objectives. I want everyone to know that there is no lack of commitment from Brazilian environmentalists to reach them. Of course, we can always find ways to articulate our goals more clearly, and there is certainly plenty of room for discussion to set the appropriate priorities and move them forward. However, we will not give up! We know that preserving Brazil’s environment and natural resources is important for the quality of life for all inhabitants—in Brazil, and everywhere else on the planet.
STRATEGIES TO INCREASE GLOBAL AWARENESS OF TOXICOLOGY: FOCUS ON DEVELOPING COUNTRIES

Tuesday, March 23, 2021
Session Time: 11:15 AM-2:00 PM US Eastern Time

SOT and IUTOX Efforts to Promote Toxicology Global Outreach

Prof. Jose Manautou
Dept. Head of Pharmaceutical Sciences
Assistant Dean for Graduate Education and Research and
Professor of Toxicology, School of Pharmacy, University of Connecticut
President elected of the International Union of Toxicology (IUTOX)

International Mentoring as a Tool to Promote Toxicology Higher Education and Global Outreach

Dr. Zafira Castano Corsino
President/Co-Founder International Mentoring Foundation for the Advancement of Higher Education (IMFAHE), Boston, MA
Senior Scientist Rubius Therapeutics, Cambridge, MA, USA

Internationalization of Research to Improve Diversity and Quality of Science

Prof. Silvia Berlanga de Moraes Barros
Senior Professor, Skin Biology Group, School of Pharmaceutical Sciences, Clinical Chemistry and Toxicology Department, University of Sao Paulo.
Director IUTOX (2019-2022)
Past-President Hispanic Organization of Toxicologists-HOT/SOT (2019-2020)

Challenges for Toxicological Sciences in Latin America

Prof. Jesus Olivero-Verbel
Environmental and Computational Chemistry Group, School of Pharmaceutical Sciences, Zaragocilla Campus
University of Cartagena, Colombia

Challenges for Toxicological Sciences Internalization in Countries from Africa

Prof. Darryl Hood
College of Public Health, Division of Environmental Health Sciences, The Ohio State University, Columbus, OH, USA

Chair: Aline de Conti, Ph.D.
Staff Fellow Researcher at National Center for Toxicological Research, Food and Drug Administration
Vice President of the Hispanic Organization of Toxicologists

Co-chair: Carmen Rubio Armendáriz, Ph.D.
Senior Professor of Toxicology, Universidad de La Laguna, Canary Island, Spain
Councilor of the Hispanic Organization of Toxicologists

REGISTRATION LINK
https://www.toxicology.org/events/am/AM2021/registration.asp#Register-now
My name is Marco Clementino. I obtained my Ph.D. in Toxicology and Cancer Biology at the University of Kentucky in 2019. Currently, I am a postdoctoral research fellow at the University of Kentucky Markey Cancer Center. My research focus on investigating the mechanism of heavy metals carcinogenesis. Overall, my studies have demonstrate the role of metabolic reprogramming and mitochondrial function in Hexavalent chromium induced carcinogenesis.
What is going on?

Hexavalent Chromium [Cr (VI)] is a group 1 human carcinogen, according to the International Agency for Research on Cancer. However, the mechanism of Cr (VI) induced carcinogenesis is not known. Chronic exposure of Cr (VI) to immortalize bronchial epithelial (BEAS-2B) cells induces cell transformation (1). This in vitro model has been used in the past to investigate the mechanism of Cr (VI)-induced carcinogenesis (2, 3).

My research has shown that Cr(VI)-transformed BEAS-2B cells undergo metabolic reprogramming, which is characterized by reduced oxidative phosphorylation and increased glycolysis, pentose phosphate pathway, glutaminolysis, and lipid metabolism (4). Additionally, we demonstrated that maintenance of basal mitochondrial function in Cr(VI)-transformed cells is essential to reduce excessive mitophagy in a mechanism dependent on SIRT3, p62, and Nrf2 (5).

Currently, I am investigating the mechanism by which hexavalent chromium induced metabolic reprogramming stimulates epigenetic dysregulation in Cr (VI)-transformed cells. By establishing the specific mechanism of action of how metabolic substrates regulate chromatin structure via histone modification and how this process regulates pluripotency in cancer cells, we combined two important field of Cancer Biology. This research provides a new target pathway for cancer prevention and therapy. Additionally, it expands the debate for the mechanism of hexavalent chromium carcinogenesis and how epigenetic and metabolism play a role in this process.

Marco Clementino, Ph.D.
Postdoctoral Research Fellow at the University of Kentucky Markey Cancer Center
(Current position: Young Talent Research Scientist at Federal University of Ceará)

References
Pfizer
Internship Opportunity

DRUG SAFETY RESEARCH AND DEVELOPMENT (DSRD) GRADUATE STUDENT INTERNSHIP

Eligible candidates will be enrolled in a PhD-toxicology program. The internship duration is for 3 months and can occur at any time during the year. Ideally, the candidate’s PhD research will align with Pfizer’s DSRD research areas allowing the intern to advance their research as part of the internship, continue to collaborate with DSRD scientists after the internship and possibly include the DSRD mentor on their PhD thesis committee. The following research areas are present at either our Groton or La Jolla sites: biomarkers, computational toxicology, developmental and reproductive toxicology, genetic toxicology, general toxicology, safety pharmacology, immunotoxicology, and microphysiological systems, along with numerous specialized areas utilizing world class equipment, facilities and scientists. Proteomics is conducted at our Andover, MA site. Pfizer will provide a stipend, housing allowance, and pay for all the research supplies.

If you are interested, please visit https://pfizer wd1.myworkdayjobs.com/PfizerCareers/job/United-States---Connecticut---Groton/DSRD-Graduate-Student-Internship_4801205

Position number for the applicants: 4801205
Constructive feedback
A powerful tool for improving performance and happiness at workplace

B Y T E R E S A P A L A C I O S & J O S E F. D E L G A D O

In all workplaces, feedback is very important to improve individual or team performance. For all groups in different sectors, one-on-one meetings are usually made to establish individual goals and to inform a collaborator about their performance and expectations as part of a team. When group efforts are made, team meetings are encouraged to discuss about them, and also to provide input and develop novel strategies about the projects developed and to achieve the goals established in the group. Providing feedback is a very powerful tool for the individual or the team to be aligned with the objectives established in the organization. Also, if feedback is required to improve the performance of a member and some requirements may be necessary to reach to the goals proposed, it needs to be communicated with objectivity, always encouraging the good work and acknowledging the efforts made by this collaborator.
Delivering constructive feedback sometimes may not be a smooth task, since there is a thin line between constructive feedback and criticism. Therefore, the tone of delivering the feedback and the words employed should be carefully chosen to avoid a negative reception. Therefore, there are some tips that we would like to share with you to share and receive constructive:

- Feedback needs to be based on professional observations and specific, then your team member will know with accuracy what needs to be improved.
- If your team member makes a good achievement, it is important to praise the effort immediately, then you will keep the motivation and the good work.
- If you are receiving constructive feedback, the best response is to accept and thank it with courtesy and embrace it by acknowledging your hard work.
- It is important to distinguish that positive feedback should be given to increase the team productivity and positivity in the work environment, and negative feedback should be given preferably when a bad attitude or behavior at workplace need to be corrected.

Teresa Palacios-Hernández  
HOT Vice President-Elect

Jose F. Delgado  
Ph.D. Candidate

References

Disclaimer: The views expressed in this article by the authors are personal and do not necessarily represent the official views of their respective organizations.
The goal of the HOT AWARD FUND is to encourage students of Ibero-America (Latin-Americans countries, Spain, and Portugal) heritage to start a career in toxicology. The fund will be used to provide awards based on scientific excellence and scientific progress to domestic or international Ibero-american students (undergraduate and graduate students) and postdoctoral fellows whose studies and research interests are in the toxicological sciences, or to those individuals with the objective of promoting global outreach by increasing research/academic excellence or leadership. These awards will be given to support the development of students and postdoctoral fellows through various educational and scientific activities, including, but not limited to: attendance at international scientific meetings to support presenters at scientific programs, symposiums, workshops, courses, internships, etc.

This contribution is U.S. tax deductible, it will be recognized on our webpage and in Toxenlaces, but most importantly, it will help tremendously students to achieve their goals.

To donate online, please click [here](#) and select HOT Award Fund from the drop down
SPONSORS & SISTER ORGANIZATIONS

Sponsors

Ofelia A. Olivero

UES

Krishan & Vicky Joshi Foundation

Michelle Hernandez

Sister Organizations

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If your Hispanic Organization is planning a Toxicology meeting or if you are organizing a Toxicology event intended for a primarily Hispanic audience and want to promote it, send an email to Carmen Rubio Armendáriz (Councilor for Sister Organizations) at crubiotox@gmail.com for more information for its inclusion in upcoming Toxenlaces issues.
HOT wants you to be part of the organization! To make it available to everyone, HOT accepts applications from non-SOT members to become HOT members. Yes, that is right! You only have to have the desire to collaborate with and be part of our great organization.

Your HOT membership provides you with valuable resources throughout your scientific career as for networking through the largest Hispanic toxicologist community, giving you opportunity for Travel Awards or serving as a mentor to the young Hispanic toxicologists; besides you receive the Toxenlaces newsletter!

Download the application by clicking on the following link: Non-SOT Member Application. So, what are you waiting for? We are looking forward to receiving your application today!

Follow us on Facebook at: http://www.facebook.com/hispanicorganizationoftoxicologists
Don't forget to visit also the SOT Facebook page: http://www.facebook.com/pages/Society-of-Toxicology-SOT/163627880427831?fref=ts

Toxenlaces is the newsletter that informs Hispanic toxicologists in the United States and the international Spanish and Portuguese-speaking scientific communities about important toxicological events and issues occurring in our countries. It is electronically published and distributed to our membership and Sister Organizations in Ibero-America. Toxenlaces disseminates critical dates for events, health perspectives and funding and training opportunities. It serves as a toxicology forum for our members and other partner organizations, engages in educational outreach to the Hispanic communities and provides the essential elements to support networking among Hispanic toxicologists. Toxenlaces is open to receive collaborations from HOT and SOT members and Sister Organizations. You can collaborate with short scientific articles, news or notes related with toxicology. Other ways to collaborate is by nominating your peers or yourself for the HOT Trainee Wall. For more information about collaborating with Toxenlaces send an email to Julia Rezende da Silva (Toxenlaces Editor) at juliarezende@usp.br.

The views expressed in this Toxenlaces issue do not necessarily represent those of the Hispanic Organization of Toxicologists (HOT) or Society of Toxicology (SOT).