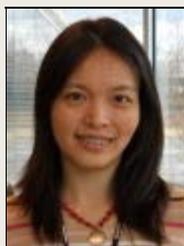


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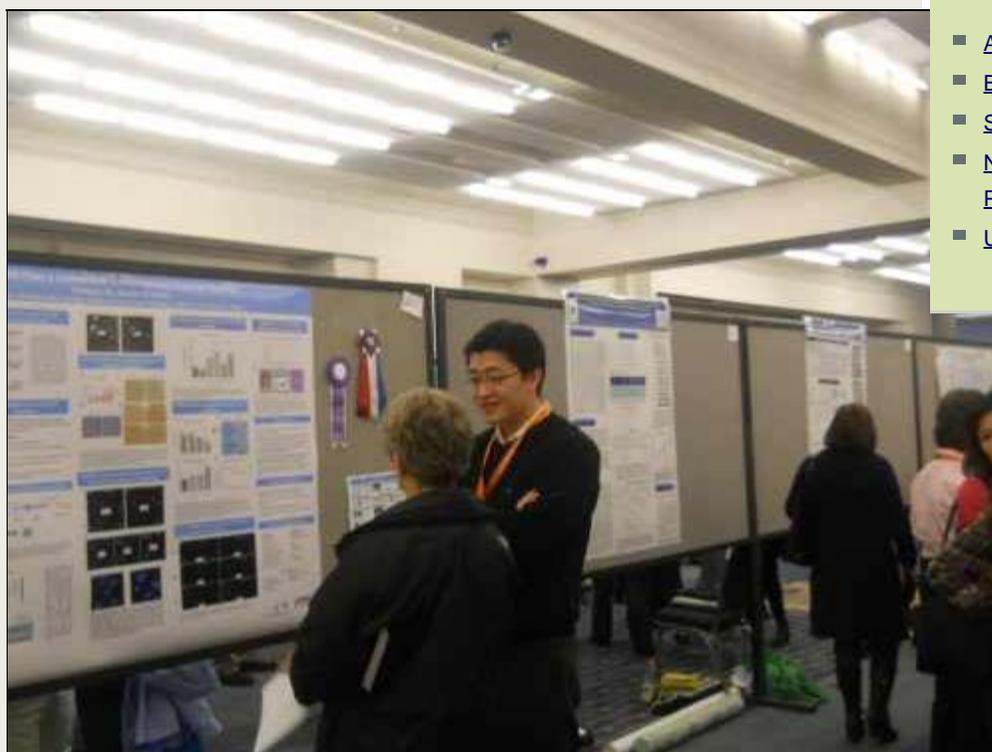

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[Authors](#)


[Xiaqing Chang](#)

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**Last but not least**

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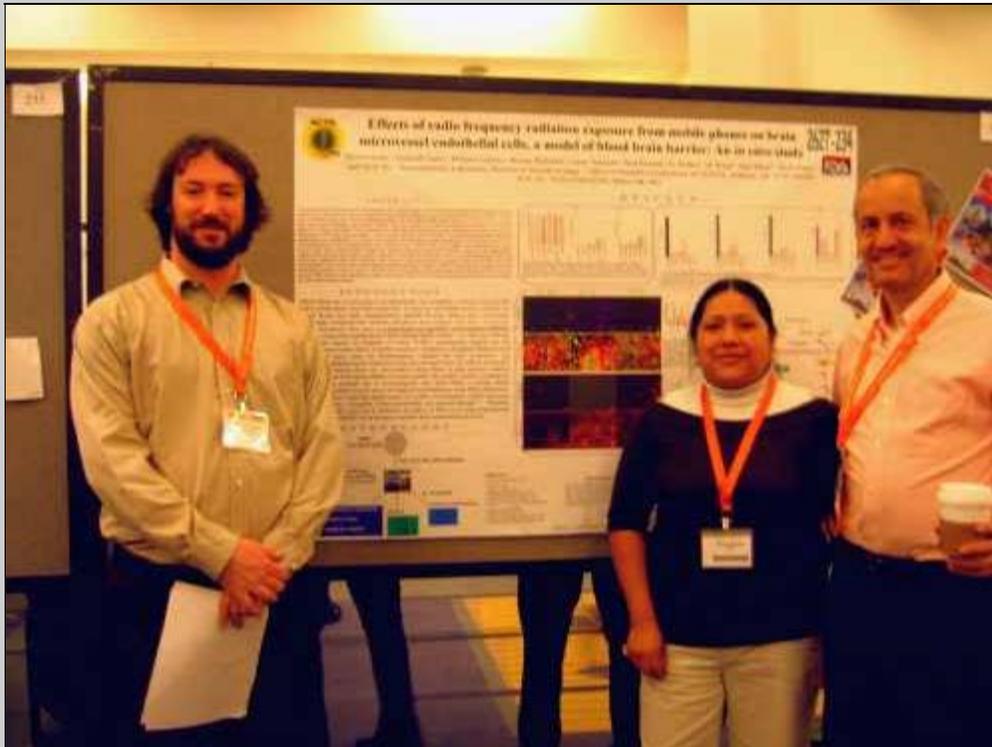
**March 10, 2011 — 10:52 PM**

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[Mamta Behl, Ph.D.](#)

The ongoing collaborative effort between the NTP, NCTR and FDA will soon determine any deleterious effects of cell phone radiation.



Picture " Left to Right: [Michael Wyde](#), Elvis Cuevas, Syed Ali

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**March 10, 2011 — 12:47 PM**

### Bye, Bye SOT

It was a great meeting, SOT.

See you all next year at SOT 2012.

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[Paul Jung](#)



[Paul Jung](#)

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**President's Reception**

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[Linda](#) is shown here with fellow 6:30am Tuesday conference presenter, Dr. Bill Farland.

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[Danielle Carlin](#)

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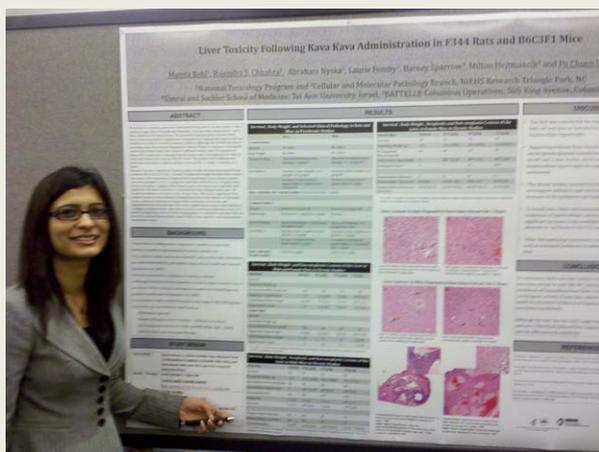
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[Cynthia Rider](#)

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[Xiaqing Chang](#)

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**Nanotoxicology: "A little less conversation ... a lot more action"**

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Yes, a lot of work remains to be done on what the most appropriate dose metrics are and for which nanomaterials (the topic of a session later today), but we are certainly far beyond the point where we were just a few years ago when we said, "we don't know anything about these materials."

"A little less conversation, a lot more action" ... indeed!!

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The opinions stated are those of the individual authors only and do not necessarily reflect the policies or views of the NIEHS or NTP.

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[Xiaqing Chang](#)

March 10, 2011 — 11:01 PM

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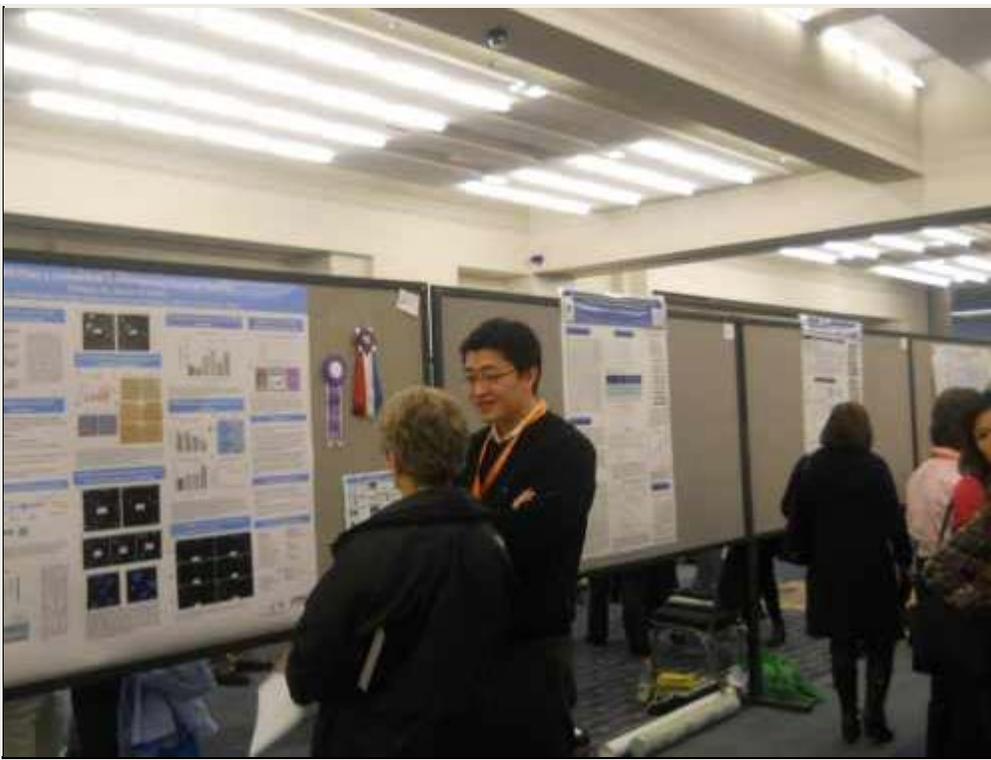
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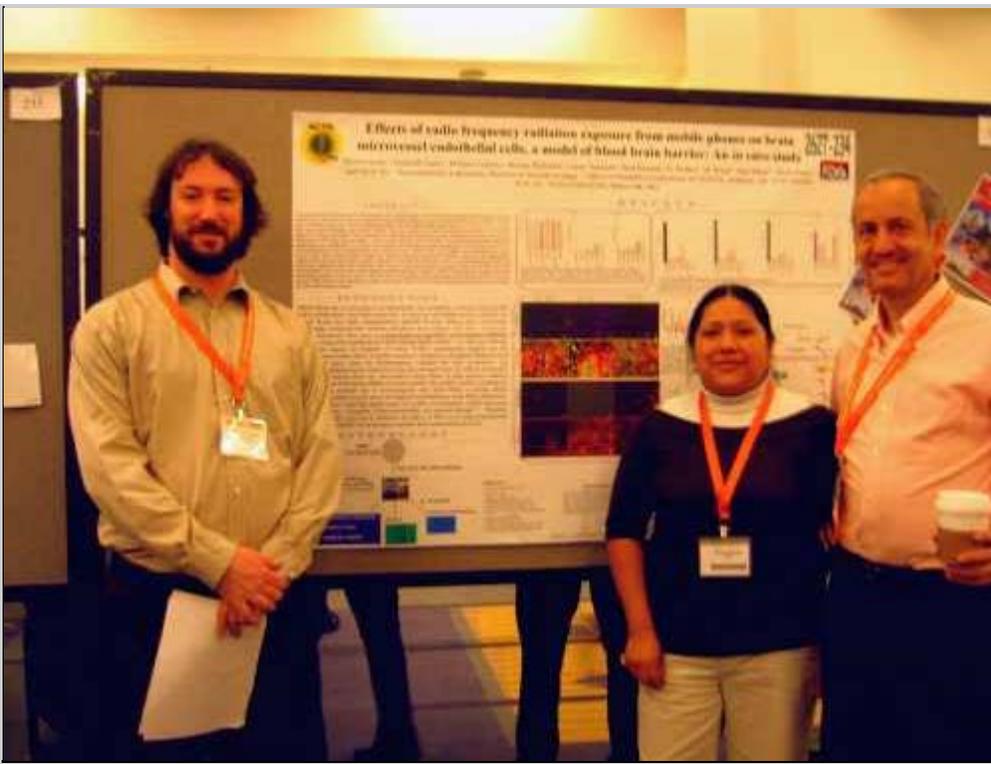


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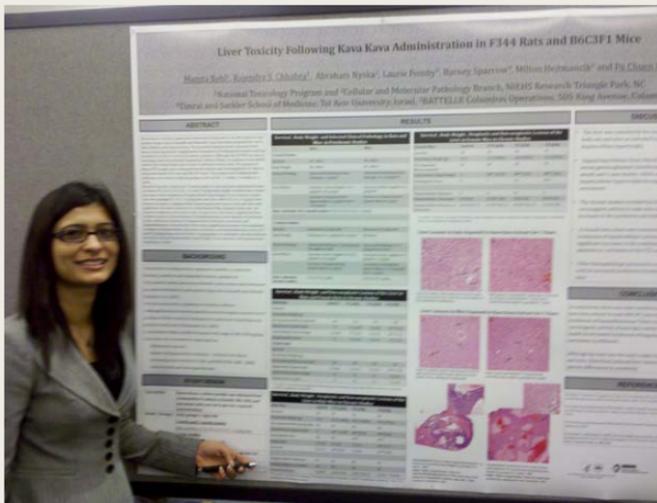
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Viewing by day: March 9, 2011



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"A little less conversation, a lot more action" ... indeed!!

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March 9, 2011 — 3:34 PM

### And the ribbon goes to...

Passing out awards is always fun. I had the pleasure of bestowing lovely blue ribbons to several of the finalists for the Mixtures Specialty Section Best Abstract Award. All of the award-winning abstracts will be announced at the Mixtures Specialty Section Reception tonight at 6-7:30 pm.

[Cynthia Rider](#)

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March 9, 2011 — 3:12 PM

### Art without science is nothing



[Nigel Walker, Ph.D., D.A.B.T.](#)

Here are some of the cool art pieces at the convention center that's hosting the SOT meeting.



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[Paul Jung](#)

**March 9, 2011 — 3:02 PM**  
**Great Presentation by FDA Chief Science Officer**

Dr. Jesse Goodman, FDA's Chief Science Officer, gave a great presentation on modernizing toxicology and risk assessment to better predict safety. As he put it, "Modernizing toxicology cross-cuts and helps enable all FDA science/innovation priorities." Good to hear one of NIEHS' sister agencies and NTP collaborator tout the benefits of toxicology.



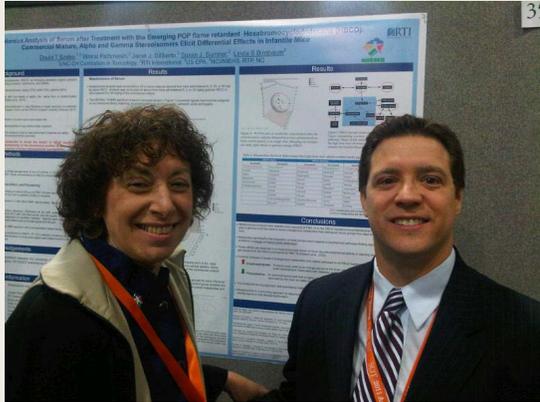
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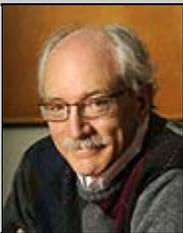
**March 9, 2011 — 1:44 PM**  
**He's like family**

Soon-to-be-Dr. David Szabo is a familiar face around NIEHS, working diligently on his doctoral thesis and collaborating with Dr. Birnbaum on exciting research. They're shown here with his latest poster on the different effects of the flame retardant HBCD in infant mice.

[Paul Jung](#)



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**March 9, 2011 — 12:59 PM**  
**Make your mark on the new NIEHS Strategic plan – Part II**

Yesterday we talked about submitting a [Visionary Idea](#) to NIEHS. There's a second way you can get involved now: Nominate a Workshop participant who can help us with our strategic planning process.

[Richard Woychik, Ph.D.](#)

NIEHS invites you to bring your ideas, expertise, and energy to our strategic planning process. Nominate yourself or someone else to participate in a 3-day Community Workshop in North Carolina this summer.

Submit a nominee online at <http://www.niehs.nih.gov/about/od/strategicplan/nomination/index.cfm>.

Let us hear from you by April 30, 2011.

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**March 9, 2011 — 12:28 PM**  
**Recovery Act funded PI and students shine at SOT**

Angela Slitt is principal investigator working on Bisphenol A (BPA) and caloric uptake at the University of Rhode Island (URI). Her project is funded by a grant from NIEHS – one of many that were supported with Recovery Act money. In addition to her busy research schedule, Angela has taken time to mentor several high school students, offering them research assistant positions at URI.

[Ed Kang, NIEHS](#)

Angela has several high school students assisting with her research, who were also lucky enough to make the trip to SOT this year. What a fantastic learning and

networking opportunity! Connie Wang, a sophomore at South Kingston High School, is joined by Olivia Diprete from Narragansett High School. Olivia is presenting at Wednesday's high school poster session at SOT! Make sure to drop by and say hello.



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March 9, 2011 — 11:35 AM  
**Once a Mentor, Always a Mentor**

[Paul Jung](#)



Standing room only at [Linda's Meet the Director](#) Presentation this morning. And even afterwards, as always, a gaggle of supporters, graduate students, young researchers, and eager budding toxicologists flocks to Linda for pearls of wisdom and sage advice that she's happy to give to each person willing to wait -- so we had to be escorted out of the room to make way for the next session. Apologies to the 10:45 presenter!



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March 8, 2011 — 8:22 PM  
**SOT President's Update**

[youtube:Csdkv1ZaqT4]

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[Michael Holsapple](#)

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March 8, 2011 — 3:22 PM  
**NIEHS postdoc snags Young Investigator Award**

Dr. Saurabh Chatterjee, a visiting postdoctoral fellow in Dr. Ron Mason's [Free Radical Metabolism Group](#) at NIEHS, won the Young Investigator Award at the Association of Scientists of Indian Origin (ASIO) for his research on "Synergism of leptin signaling and post translational protein oxidation in bromodichloromethane exposure is key to the development of steatohepatitis of obesity." Yet another demonstration of the top-notch work by NIEHS! Congratulations Saurabh! Way to go!!!!

[Mamta Behl](#)  
[Ph.D.](#)



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**March 8, 2011 — 3:15 PM**  
**Questions, questions!!**

Lots of interests and questions regarding internships and postdoctoral training from undergrads, recent grads, and doctoral students! Awesome.

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[Ericka Reid](#)



**March 8, 2011 — 3:11 PM**  
**A motivating lunch-n-learn**

[Dr. William Slikker](#), Director of the National Center for Toxicological Research (NCTR), a research component of the Food and Drug Administration, and Shawn Tang, principal scientific recruiter at Genentech in South San Francisco, Calif., provided motivating insights for students and postdocs about potential job opportunities during the Association of Scientists of Indian Origin (ASIO) Lunch-N-Learn this afternoon. The topics of discussion during this highly interactive session included jobs in government, academic and industrial positions, job requirements, and potential opportunities following graduation.

[Mamta Behl](#),  
[Ph.D.](#)

Words of wisdom for students and postdocs: "Be passionate with whatever you choose to do" and "publications" is the magic word. Dr. Slikker (left) is shown here with Shawn Tang.



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**March 8, 2011 — 2:39 PM**  
**Live Demo of CEBS**

Jennifer Fostel of NTP will be in the booth for the remainder of the day today and all day tomorrow answering your questions about CEBS.

What is CEBS? The Chemical Effect in Biological Systems database integrates study design and tox data with microarray data. Stop by for a quick tutorial...

[Ed Kang, NIEHS](#)



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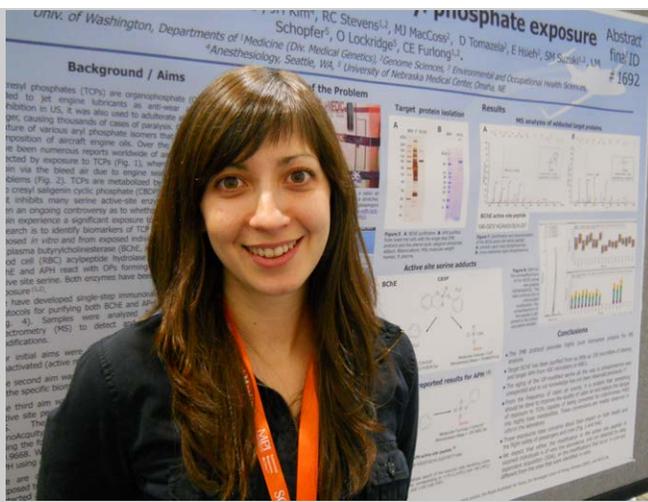


**March 8, 2011 — 1:41 PM**  
**NIEHS Grantee Honored with Nobel Laureate Lindau Meeting Invite**

Judit Marsillach Lopez is one of our talented grantees from the University of Washington. She's working on several research projects funded by NIEHS.

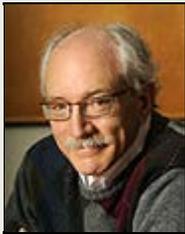
Judit has the honor of being invited to meet with 25 [Nobel Laureates](#) along with 550 of the world's top young scientists in Lindau, Germany this summer.

[Ed Kang, NIEHS](#)



Her SOT poster points to an oil additive called Tricresylphosphate as a potential source for "Toxic Air Syndrome," which for some flyers results in dizziness and short term memory loss. Some pilots and flight attendants also complain of the smell of "dirty socks" that accompanies symptoms. Judit's research is also investigating Paraoxonase1 or PON1 as part of the Superfund Research Program.

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March 8, 2011 — 12:27 PM

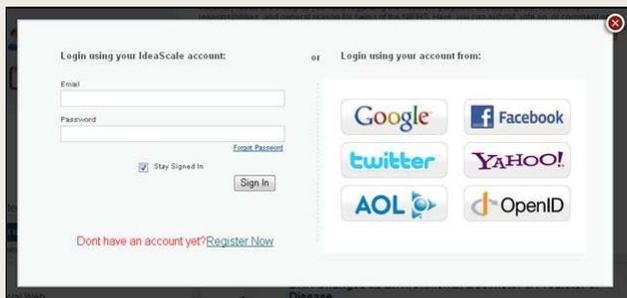
### Make your mark on the new NIEHS Strategic Plan.

NIEHS has opened up an [online forum](#) for you to give us your Visionary Ideas. The technology being used is fairly new, so here are some tips on participation.

Anyone can read all the ideas submitted, as well as the comments on the ideas.

[Richard Woychik, Ph.D.](#)

To give us your feedback, you will need to sign in. If you have a Google, Facebook, Twitter, AOL, or Yahoo account already – just click the button for your account. Otherwise you will need to “Register Now” and enter an email address.



Once you've signed in you can participate in three additional ways:

1. You can vote on Visionary Ideas

Recent (12) Popular (12) Hot (3)

**I agree**

**6** votes

**DNA Changes as Environmental Dosimeter & Predictor of Disease**

Somatic DNA modifications (mutation, copy number variation, methylation, chromatin, etc) accumulate with age and exposure and can be transmitted ...more »

**I disagree** 5 comments

Submitted by taylor 5 days ago

2. You can comment on Visionary Ideas

 **demetri.david** said:

I think that this is a critically important area of research. Having just come back from chairing the latest IARC monograph, it is clear that such data would be essential in the near future for moving the evaluation of agents to 2A (probable human carcinogen) to 1 (human carcinogen). Developing these methods and figuring out how to apply them in environmental settings to humans may be the most valuable development in molecular epi that could be possible. In addition, application of these and other methods to germline mutation is of the highest importance and in need of development to assure the health of future generations.

4 days ago

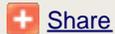
3. You can submit your own Visionary Ideas



You can also spread the word about this opportunity by tweeting or recommending the website on Facebook!

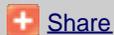
Collecting the best ideas from groups of people, [crowdsourcing](#), has been used by everyone from the [White House](#) to [Starbucks](#). NIEHS looks forward to reading your Visionary Ideas.

Let us hear from you by April 30, 2011.



**March 8, 2011 — 12:07 PM**  
**New Investigator Lunch starting now**

Come down to the new investigator lunch in Salon I off the main lobby. Free lunch and free advice and grant information.



[Mike Humble](#),  
 Ph.D.

**March 8, 2011 — 12:01 PM**  
**Data...data...data**

Jennifer Fostel, NTP presented an insightful talk at the Exhibitor Hosted Session



[Mamta Behl,  
Ph.D.](#)

earlier today on a publicly accessible database known as [Chemical Effects in Biological Systems \(CEBS\)](#) containing legacy NTP studies.

The database provides an efficient and user friendly method to obtain a plethora of data, compare commonalities over structurally related compounds, sort data by different categories and much more..

To learn more about the database, visit the NTP Booth from 1:00 - 4:00 pm today and all day tomorrow (Wednesday)

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[Paul Jung](#)

### March 8, 2011 — 11:11 AM NTP/ICCVAM signs MOU

Two years ago, the [NTP's Interagency Coordinating Committee on the Validation of Alternative Test Methods \(ICCVAM\)](#) signed a Memorandum of Cooperation to create the International Cooperation on Alternative Test Methods (ICATM) with the European Union, Canada, and Japan. Today the agreement adds South Korea to the cooperation. Congrats to Bill Stokes and everyone at NTP who made this possible!



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# Live Updates from the Society of Toxicology 50th Anniversary

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Walter E. Washington Convention Center in Washington, D.C., March 6-10, 2011

Live updates by staff from NIEHS, the National Toxicology Program (NTP), and Environmental Health Perspectives (EHP), sharing their thoughts and observations about the SOT Conference.



Live Updates

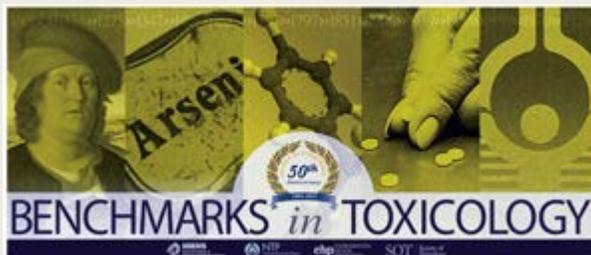
Authors

Viewing by day: March 7, 2011



[Ed Kang, NIEHS](#)

March 7, 2011 — 8:28 PM  
**'Benchmarks' poster a huge hit**



The [Benchmarks in Toxicology poster](#) developed by NIEHS and SOT is going like hotcakes! At this point, there are only a few copies still available at the SOT conference.

If you missed getting your poster, just fill out the [order form](#) on our website, and we'll send you a free copy.

Get yours today! It's perfect for the office, classroom, or lab.

Thanks for your overwhelming interest in the Benchmarks poster - it could not have been developed without the input from dozens of SOT members.

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March 7, 2011 — 4:49 PM  
**NIEHS Oil Spill Efforts**

[Paul Jung](#)



Kudos to Dr. Sathikumar from the University of Alabama - Birmingham who finished her presentation reviewing the short-term health effects of oil spills by presenting NIEHS' Gulf oil spill efforts in detail <http://www.niehs.nih.gov/about/od/programs/gulfspill/gulfstudy/index.cfm>; everything from our Worker Education Training Program's immediate response efforts, to the massive GuLF Study, to the Extramural Consortia. Excellent presentation on the knowledge gap on the long-term health effects of oil spills and how NIEHS is filling that gap.

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**March 7, 2011 — 4:16 PM**

### Looking for someone?

NIEHS Division of Extramural Research and Training staff will be on hand Tuesday and Wednesday to answer your questions about grant opportunities.

From 9:30 am - 4:30pm each day, program administrators will be available in Room 203. See you there!

[Mike Humble,](#)  
[Ph.D.](#)

Light refreshments will be provided.



### BRING YOUR QUESTIONS ABOUT GRANTS

#### TUESDAY

9:30 - 10:30 Mike Humble, Thad Schug, Danielle Carlin

10:30 - 11:30 Jerry Heindel, Thad Schug, Carol Shreffler

[Ed Kang, NIEHS](#) 11:30 - 12:30 Sally Eckert-Tilotta, Linda Bass

12:30 - 1:30 Most DERT staff will be attending a 'New Investigator' luncheon in Salon G

1:30 - 2:30 Janice Allen, Rose Anne McGee, Lisa Chadwick, Liz Maull

2:30 - 3:30 Jerry Heindel, Thad Schug, Cindy Lawler

3:30 - 4:30 Jerry Heindel, Thad Schug, Mike Humble

## WEDNESDAY

9:30 - 10:30 Dan Shaughnessey

10:30 - 11:30 Mike Humble, Linda Bass

11:30 - 12:30 Lisa Chadwick, Annette Kirshner

12:30 - 1:30 Cindy Lawler, Annette Kirshner

1:30 - 2:30 Dan Shaughnessey, Carol Shreffler

2:30 - 3:30 Carol Shreffler, Liz Maull

3:30 - 4:30 Danielle Carlin, Annette Kirshner

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March 7, 2011 — 4:04 PM

### Team science in nano

The session this afternoon on physico chemical characterization of nanomaterials is really highlighting the effectiveness of multidisciplinary teams for nanotox research.

Several of the speakers, including current NTP Board of Scientific Counselors member [Justin Teeguarden](#), show that effectively making Quantitative structure-activity relationship (QSAR) models for nanomaterials really requires integrated teams of not only toxicologists, but also chemists and materials scientists.

[Nigel Walker,](#)  
[Ph.D., D.A.B.T.](#)

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March 7, 2011 — 2:52 PM

### Mary Gant @ SOT

During the NIEHS Gulf Oil Spill session, NIEHS' own Legislative Liaison, Mary Gant, adds to the discussion by mentioning some of her experiences while visiting the Gulf Region for the NIEHS community forum Feb. 23-24.

[Paul Jung](#)



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[Cynthia Rider](#)

March 7, 2011 — 2:28 PM

### EDCs, Mixtures, and Breast Cancer...Oh My

It was a busy morning in mixtures at SOT with the Mixture Specialty Section Officer Meeting at 6:30 am and a great mixture symposium at 9:15 am. Excellent presentations covered endocrine disrupting chemical mixtures from both an ecotox and human health perspective. It is now crystal clear that there are many unknown unknowns! The running themes were better exposure characterization and bioassays in combo with in vitro.

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[Paul Jung](#)

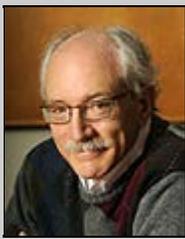
March 7, 2011 — 2:26 PM

### Gulf Oil Spill

Standing Room Only -- A packed house at the [Gulf Oil Spill](#) session. Almost one year after the Deepwater Horizon explosion and subsequent spill, it is still a high-interest topic in the environmental health community.



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March 7, 2011 — 2:20 PM

## You can help formulate NIEHS' Strategic Plan



[Richard Woychik](#),  
Ph.D.

We are seeking your input into our strategic plan, which will set the direction for the Institute for the next five years (2012-2017).

You are invited to submit your visionary ideas (or vote on others' ideas) on our [website](#) before April 30.

Editor's note: Richard Woychik, the newly appointed deputy director of NIEHS, is leading the strategic planning process for the Institute.

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## March 7, 2011 — 1:13 PM EHP available in Chinese

The NIEHS journal, Environmental Health Perspectives, is available in Chinese. Our International Program Manager, Hui Hu, talks about the Chinese edition and what it offers.

[youtube:8AKN28a\_cy8]

[Hugh Tilson](#),  
Ph.D.

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## March 7, 2011 — 11:25 AM Nanotox kicking things off

Outstanding session on carbon nanotube toxicology this morning, including lots of data from our colleagues at [NIOSH](#) looking at the pulmonary effects.

And a huge and very engaged audience - one speaker had a 4 person deep line of questioners!!

[Nigel Walker](#),  
Ph.D., D.A.B.T.

If the other sessions are like this it will be a great meeting.

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Viewing by day: March 6, 2011



[Danielle Carlin](#)

March 6, 2011 — 9:07 PM

## It's all in the mix"ture"

This meeting will be all about "Mixtures" for me. I went to the Mixtures Short Course this morning which set the stage for the many talks on mixtures.

Tomorrow morning is more mixtures – check out the session by [NTP's Cynthia Rider](#) on mixtures and their effects on reproduction. I'll be there!

Then it's off to see posters!

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[Nigel Walker](#),  
[Ph.D., D.A.B.T.](#)

March 6, 2011 — 7:33 PM

## Big news-Small awards at SOT

Celebrations at the Nanotoxicology Specialty Section reception!!



[Xiaoqing Chang](#), an NIEHS postdoc , formerly in Chris Portier's group and now in NTP, just won the outstanding postdoc award!!

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**March 6, 2011 — 5:48 PM**  
**Viva Las Vegas at the 50th SOT!**

Elvis is back in the building, but no, not in Vegas!

Well I'm here in DC for the 50th SOT meeting heading off to the Nanotoxicology Specialty Section meeting this evening. The specialty section meetings are great opportunity to network with other colleagues in a specific area of interest, and best

[Nigel Walker](#),  
Ph.D., D.A.B.T.

of all , as one of the Councilors I get to give out grad student and postdoc awards!!

So 50 years ago Elvis' career was on the wane, making way for the British invasion and the Beatles. (Incidentally Beatlemania are the main attraction at Tuesday's celebration event!) In a similar manner this years SOT may well mark a similar transition point for toxicology. The program has several sessions about the challenges to traditional toxicology and efforts in predictive toxicology such as [Tox21 and high throughput testing](#).

Should be a good meeting and one to benchmark future progress by, I feel.

And on personal "Beatles vs Elvis" note...."20 years ago today"? I was living in [Liverpool!!](#)

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### March 6, 2011 — 5:41 PM Evaluating Engineered Nanomaterials

Sunday is the traditional start of SOT with members kicking things off early with a day of continuing education courses. One of the larger CE sessions with nearly 400 participants was the Evaluating Nanomaterials course co-chaired by Srikanth Nadadur of the NIEHS Division of Extramural Research and Training and Frank Witzmann of the Indiana University School of Medicine.

[Ed Kang, NIEHS](#)

The panel of speakers discussed important issues surrounding conventional toxicology approaches.

Steve Stern of the National Cancer Institute spoke of the importance of integrating physicochemical characterization information in toxicity assessment of ENMs. Chris Vulpe, University of California Berkeley, reflected on the emergence of high content screening. Following Witzmann's talk on proteomic profiling, Gunter Oberdorster of the University of Rochester Medical Center capped the session describing the challenges of correlating In Vitro and In Vivo nanotoxicity.

In all, the course was encouraging to novice and toxicologists trained in conventional assessment to think outside the box to design models that predict the toxicity of the latest generation of engineered nanomaterials.



Pictured: Members of the panel on Evaluating Toxicity of Engineered Nanomaterials: Nadadur, Vulpe, Witzmann, Stern, and Oberdorster.

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March 6, 2011 — 1:19 PM

### President of SOT kicks off the 50th annual meeting

[youtube:izmfM\_vrmdo]

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[Michael Holsapple](#)



March 6, 2011 — 1:14 PM

### Past President of SOT, Marion Ehrich, welcomes students to SOT

[youtube:hBzTgnWvxeg]

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[Marion Ehrich](#)



March 6, 2011 — 11:11 AM

### Q: How do you identify a Toxicology Meeting?

A: When the "Memorabilia" booth advertises that it is selling **BPA free** water bottles

[Mamta Behl,](#)  
[Ph.D.](#)



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March 6, 2011 — 11:09 AM

**A steady drizzle..**

Good morning to all our viewers.

Reporting Live from SOT:

[Mamta Behl.](#)  
[Ph.D.](#)



The steady and light drizzle of attendees at the registration booth at SOT echoes the trickling of raindrops in the city this morning..a mere calm before the storm...

Stay tuned!

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Live Updates

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Viewing by day: March 4, 2011



**March 4, 2011 — 10:47 AM**  
**Kids can learn about tox too!**

Tomorrow, please join me and my colleagues from government, industry, and academia as we host a fun-filled, educational day geared toward middle and high school students. Families can learn how toxicologists protect you and your pets at a free event sponsored by the Society of Toxicology.

[Bono Sen](#)

Date: **Saturday, March 5, 2011**  
Location: Koshland Science Museum  
Time: 10:00 AM to 5:00 PM  
Cost: Free  
Age Range: Middle school students and older



Hands-on activities will highlight the importance of dose and other aspects of toxicology so that you can better evaluate how to safeguard your family and community from environmental and occupational health risks. You can meet toxicologists and discuss career paths - experts will be on hand to answer your questions and share their enthusiasm and stories of how they came to work in the field.

Admission to the museum and all activities is free.

Hope to see you there!

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### March 4, 2011 — 8:30 AM Benchmarks in Toxicology

In honor of its fiftieth anniversary, the Society of Toxicology teamed up with the National Institute of Environmental Health Sciences, the National Toxicology Program, and *Environmental Health Perspectives* to produce a poster celebrating some of the foremost “benchmarks” of the field.

[Ed Kang, NIEHS](#)

In this podcast Peter Goering of the U.S. Food and Drug Administration tells how he and other members of the evaluation group chose from centuries’ worth of accomplishments to select the people and events that best illustrate the promise and achievements of toxicology.

A [full summary and transcript](#) of this podcast are available online.

Free posters are available in locations throughout the SOT conference and on the NIEHS [website](#).



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Authors

Viewing by day: March 3, 2011



**March 3, 2011 — 2:14 PM**  
**Welcome to SOT 2011**

Beginning March 6, we'll be providing live updates from the 50th annual meeting of the Society of Toxicology. Follow us as we report on all the latest research findings, awards and people that make the annual SOT meeting so unique.

[video:welcome]

[Linda Birnbaum](#)  
[Ph.D., D.A.B.T.](#)  
[A.T.S.](#)

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# Live Updates from The Society of Toxicology

Annual Conference: March 7-11, 2010 Salt Lake City, Utah

Live updates by staff from NIEHS, the National Toxicology Program (NTP), and Environmental Health Perspectives (EHP), sharing their thoughts and observations about the SOT Conference.

[RSS Feed](#) 



Live Updates

Authors

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