

# Nano NEWS with NTWG

## June 2017 (Spring AIHCE)

Disclaimer: Nothing in this newsletter should be associated with a position of the American Industrial Hygiene Association. This letter is the independent product of the Nanotechnology Working Group.

### Recent articles of interest

- Giving citizens a voice in the era of nanotechnology  
From user communities to school competitions, an EU-funded project has given civil society a stronger voice in the ongoing debate over nanotechnology. The goal is to help ensure societal concerns are incorporated at all levels of decision-making, and that research with the potential to directly benefit citizens is prioritized. “The [NANODIODE project](#) has been a kind of social dialogue in itself in that it brought together citizens, researchers, industry, workers and policy-makers,” explains project coordinator Pieter van Broekhuizen from IVAM, the Netherlands.  
[http://www.nanowerk.com/nanotechnology-news/newsid=45593.php?utm\\_source=feedblitz&utm\\_medium=FeedBlitzRss&utm\\_campaign=nanowerkemergingtechnologiesnews](http://www.nanowerk.com/nanotechnology-news/newsid=45593.php?utm_source=feedblitz&utm_medium=FeedBlitzRss&utm_campaign=nanowerkemergingtechnologiesnews)
- Nanotechnology is like the early days of radioactivity when it comes to knowing the risks – Dr Vladimir Baulin  
When radioactive materials were first introduced into society, it took a while before scientists understood the risks. The same is true of nanotechnology today, according to Dr Vladimir Baulin, from University Rovira i Virgili, in Tarragona, Spain, who together with colleagues has shown for the first time how nanoparticles can cross biological - or lipid - membranes in a paper published in the journal Science Advances. The study resulted from the EU-funded SNAL project, which you coordinate  
[https://horizon-magazine.eu/article/nanotechnology-early-days-radioactivity-when-it-comes-knowing-risks-dr-vladimir-baulin\\_en](https://horizon-magazine.eu/article/nanotechnology-early-days-radioactivity-when-it-comes-knowing-risks-dr-vladimir-baulin_en)
- European nanotechnology project to design less toxic photovoltaic materials  
The University Institute for Advanced Materials Research at the Universitat Jaume I (UJI) has participated in the European Project Sunflower to develop less toxic organic photovoltaic materials viable for industrial production. A consortium of 17 research and business institutions carried out this nanotechnology research over four years. Researchers at Sunflower carried out several studies, among the most successful of which was the design of a highly versatile organic photovoltaic cell that can be printed.  
<https://phys.org/news/2017-01-european-nanotechnology-toxic-photovoltaic-materials.html>
- Citizens and experts to get more information on nanomaterials.  
Better access to relevant and understandable information about nanomaterials both for European citizens and experts. That is the main goal of an agreement signed between ECHA and the Commission on the European Union Observatory for Nanomaterials. 7 December 2016 –

The signing of the delegation agreement marks the formal kick-off for ECHA to start working on the European Union Observatory for Nanomaterials (EU-ON). The information sources for the observatory will include data generated by various pieces of EU legislation regulating the safe use of nanomaterials (e.g. REACH, biocides, cosmetics), from national inventories, research projects, and market studies. By that, it will bring added value not only to European citizens but also to policy makers, industry, NGOs and workers. In its first phase, the observatory will only collect information that is already available and not generate any new data.

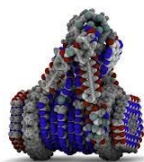
<https://echa.europa.eu/-/citizens-and-experts-to-get-more-information-on-nanomaterials>

- Nano-Portal on Safe Handling of Nanomaterials Available in English  
The Nano-Portal: Safe Handling of Nanomaterials, the result of a project supported by the Deutsche Gesetzliche Unfallversicherung (DGUV) and developed by the Innovation Society, is now available in English. See <http://nano.dguv.de/en/home/> The website is intended to extend knowledge about occupational safety and health in the fields of nanomaterials and nanotechnologies.  
<http://nano.dguv.de/en/nanoramas/>
- Nanobiomonitoring and Surveillance  
The use of biological monitoring to assess nanomaterial exposure and effect offers an opportunity to evaluate, control, and confirm worker protection.  
The Synergist, February 2017
- AAAS Annual Meeting: Taking a Green Approach to Nanotechnology  
Interview with James Hutchinson of the University of Oregon  
[https://www.rdmag.com/article/2017/02/aaas-annual-meeting-taking-green-approach to nanotechnology](https://www.rdmag.com/article/2017/02/aaas-annual-meeting-taking-green-approach-to-nanotechnology)
- CRS Report on Science and Technology Issues in the 115th Congress Includes **Nanotechnology**  
The Congressional Research Service (CRS) prepared a March 14, 2017, report entitled Science and Technology Issues in the 115th Congress.  
<http://www.nanotech-now.com/columns/?article=1161>
- EC4safenano Conducts Survey on Demand and Supply of Services for Safe Use of Nanomaterials  
EC4safenano Conducts Survey on Demand and Supply of Services for Safe Use of Nanomaterials and Nanotechnology  
<http://www.nanotech-now.com/columns/?article=1170>

## NIOSH BLOG

The Art and Science of OELs for Nanomaterials

<https://blogs.cdc.gov/niosh-science-blog/2017/02/01/nano-oels/>



## **NTWG business for Fall AIHA meeting ((To be provided by Chair in May))**

### **Business of NTWG (Spring 2017)**

2017-2018 Business Plan under review

FTF Meeting at AIHce: Tuesday June 6th, 6:30 AM – 8 AM - Location to be determined

Ballots sent out and concluded on April 14<sup>th</sup> for Secretary-Elect (one nominee, Martin Barrie)

Also see monthly minutes for Fall teleconferences available from Secretary

### **Current NTWG Projects**

If you are interested in volunteering to assist on an active project, please email one of the NTWG Officers or the project lead.

- 2017 AIHA PDCs set
- Synergist article: Article on The use of Surveillance and Biomonitoring for Nanomaterial Workers to be published in February Synergist (Martin Barrie project lead)
- NTWG newsletter/communication: (Dan Marsick project lead, dmarsick@cox.net)
- New Nanomaterial Stewardship Fact Sheet for 2016-17 in final review: (Rena Goldman project lead, [rcgoldman@mmm.com](mailto:rcgoldman@mmm.com))



## **NTWG Outreach**

<b>Outreach Log (2016 Calendar Year, chronological order)</b>		
1.	Date	2/21/16
	Topic	AIHA Webinar: How Low Do You Go? Case Studies on beryllium, silica and carbon nanotubes for developing monitoring strategies at microgram levels or below.
	Ambassador (s)	Laura Hodson
	Host Group	AIHA Webinar Series
	URL / Add. Info	<a href="https://www.aiha.org/education/CourseCalendar/eLearning/Pages/16FEB1WB-HowLowDoYouGo.aspx">https://www.aiha.org/education/CourseCalendar/eLearning/Pages/16FEB1WB-HowLowDoYouGo.aspx</a>
2.	Date	4/8/2016
	Topic	Health Aspects of Nanotechnology and Other Emerging Products and Technology
	Ambassador (s)	Michael Rosenow
	Host Group	American Bar Association 25th Annual Spring CLE Meeting, Phoenix, AZ

	URL / Add. Info	<a href="http://shop.americanbar.org/PersonifyImages/ProductFiles/227893926/Final%20Brochure.pdf">http://shop.americanbar.org/PersonifyImages/ProductFiles/227893926/Final%20Brochure.pdf</a>
3.	Date	April, 2016
	Topic	Soft Law and Nanotechnology: Sources of guidance for risk management
	Ambassador (s)	John Baker, Martin Barrie, Chuck Geraci, and Mark Hoover
	Host Group	AIHA The Synergist, April, 2016 Issue
	URL / Add. Info	<a href="http://synergist.aiha.org/201604-soft-law-and-nanotechnology">http://synergist.aiha.org/201604-soft-law-and-nanotechnology</a>
4.	Date	4/21/2016
	Topic	Nanotechnology and the Safe Handling of Nanomaterials
	Ambassador (s)	John Baker
	Host Group	Institution of Mechanical Engineers, Technical Meeting, Houston, TX
	URL / Add. Info	<a href="http://nearyou.imeche.org/eventdetail?id=11904">http://nearyou.imeche.org/eventdetail?id=11904</a>
5.	Date	On-going
	Topic	Partnering with the Good Nano Guide to contribute information and maintain website
	Ambassador (s)	Project Lead: John Baker Current NTWG members on the implementation committee: Chuck Geraci, Mark Hoover, Bruce Stockmeier and John Baker
	Host Group	Oregon State University (organization hosting the guide)
	URL / Add. Info	<a href="#">Good Nano Guide</a> (public)

6.	Date	6/14/2016
	Topic	Update on the Occupational Health Impact of Nanomaterials
	Ambassador (s)	Bruce Lippy
	Host Group	NASA 2016 Occupational Health Conference, Johnson Space Flight Center
	URL / Add. Info	This was an annual gathering of industrial hygienists, occupational medicine practitioners, safety professionals and health physicists employed by NASA.
7.	Date	10/7/2016
	Topic	NTWG Fall 2016 Newsletter
	Ambassador (s)	Dan Marsick
	Host Group	NTWG website, e-mail distribution to NTWG member distribution list
	URL / Add. Info	To be added
8.	Date	10/11/2016
	Topic	From Labs to Fabs: What's New with Nano for the Semiconductor Industry
	Ambassador (s)	Michele Shepard
	Host Group	SESHA NY Capital Region Chapter
	URL / Add. Info	<a href="http://seshaonline.org/regions/nycapital/index.php">http://seshaonline.org/regions/nycapital/index.php</a>
9.	Date	Tuesday, January 24, 2017

	Topic	Nanomaterials in Mechanical Contracting
	Ambassador (s)	Bruce Lippy
	Host Group	Mechanical Contractors of America Safety Directors' Conference
	URL / Add. Info	<a href="https://www.mcaa.org/2017-safety-directors-conference/">https://www.mcaa.org/2017-safety-directors-conference/</a>

10.	Date	Tuesday – Wednesday, February 14-15, 2017
	Topic	Nanotechnology and Exposure: The Pathway to a Safe and Healthy Environment
	Ambassador (s)	Candace Tsai
	Host Group	University of Los Andes, Bogota, Colombia
	URL / Add. Info	<a href="https://colombiausanano2017.uniandes.edu.co/index.php/es/keynote-speakerses/keynote-speakers-internacionales">https://colombiausanano2017.uniandes.edu.co/index.php/es/keynote-speakerses/keynote-speakers-internacionales</a>