

NANOMXCN Workshop on Nanosafety and Nanotoxicology (WNN-2018)



NANOMXCN Workshop on Nanosafety and Nanotoxicology - 2018 Universidad Autónoma de Aguascalientes, 26 Feb - 01 Mar, 2018

The enhanced and tailored properties exhibited by engineered nanomaterials (ENMs) enable them as excellent candidates in numerous applications. Although many benefits can be encountered by these ENMs, a sustainable production-use should always be followed to minimize potential, and still not well understood, risks associated with these materials. Numerous environmental regulation agencies are nowadays trying to implement reproducible protocols for the evaluation of the toxicity of these materials, however, many limitations are still encountered. Accordingly, numerous research groups work on the development of *in-vitro* or *in-vivo* strategies for the toxicity evaluation of these materials. The NANOMXCN Workshop on Nanosafety and Nanotechnology - 2018 will provide an international forum for close interaction between graduate students and prominent scientist interested in the development of joint collaborations and scientific exchanges to address these issues. The scientific discussions will focus on advanced strategies for the development of standardized and reproducible techniques for the evaluation of the biocompatibility and/or toxicity of ENMs.



Major topics for discussion:

- ENMs characterization
- Mechanisms of nanotoxicity
- Cell or animal-based models for nanotoxicity evaluation
- Routes and potential effects of ENMs exposure
- Occupational exposure to ENMs
- ENMs in the environment
- *In vitro* models used in ENMs toxicity testing
- *In vivo* exposure models used in ENMs toxicity testing.

International Advisory Committee

- Bing Yan. Shandong University, PR China
- Jiang Guibin, RCEES, CAS, PR China
- Yan Li, Peking University, PR China
- Rafael Vázquez Duhalt. CNyN, UNAM, Mexico

Organizing Committee

- Iliana E. Medina Ramírez. Universidad Autónoma de Aguascalientes. Mexico (**Chair**)
- Bing Yan. Shandong University, PR China (**Co-Chair**)
- Juan Antonio Zapién. CityU, HK SAR, PR China
- Rafael Vázquez Duhalt, Centro de Nanociencia y Nanotecnología, UNAM, Mexico
- Jianqiang Zhu. RCEES, CAS, PR China
- Sijin Liu. RCEES, CAS, PR China

Registration fee: 2000.00 MXN
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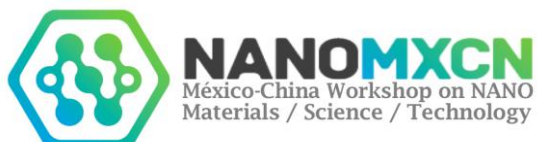
- ENMs characterization (**WS1**). Prof. Antonio Zapien (City University of Hong Kong). Prof. Sandra Rodil-Posada (Instituto de Investigaciones en Materiales, UNAM)
- Mechanisms of nanotoxicity (**WS2**). Prof. Bing Yan (Shandong University, PR China)
- In vitro-in vivo models for nanomaterial toxicity testing (**WS3**) Prof. Andrea De Vizcaya Ruiz. Prof. Vicente Escamilla Rivera (CINVESTAV)
- Routes and potential effects of ENMs exposure (**WS4**). Prof. Carmen González Castillo (UASLP)
- Evaluation of the toxicity of bare and surface modified Nanomaterials (**WS5**). Prof. Jianqiang Zhu (Research Center for Eco-Environmental Sciences).
- Nanomaterials metrology and security in Mexico (**WS6**)

Time	Monday	Tuesday	Wednesday	Thursday
8:00-9:00	Opening Ceremony	WS2-BY	WS4	WS6
9:00-10:00	Plenary Talk Prof. Bing Yan	WS2-BY	WS4	WS6
10:00-11:00	Coffe Break	WS3	WS5	WS1-JAZ
11:00-12:00	WS1-JAZ	Coffee Break		
12:00-13:00	WS1-SRP	WS3	WS5	Closing Remarks
13:00-14:00	Talk Sinanotox Prof. Vazquez Duhalt	Talk Nanomaterials in the environment	Talk Nanomedicine.Red Nanoscience and Nanotechnology, CONACyT Prof. Gabriel Luna Bárcenas	
14:00-15:00	Lunch			
15:00-16:00				
16:00-17:00	<i>Round Table for discussion</i>			
17:00-19:00	Poster Session			
	<i>Social Activities</i>			

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Talk Sinanotox: Prof. Rafael Vazquez Duhalt. Sinanotox is a Mexican research consortium for the development of strategies to regulate the safe use of nanomaterials.



Important dates:

Abstract submission deadline:	25 Jan, 2018
Acceptance notification:	1 Feb, 2018
Workshop:	26 Feb -01 March, 2018