

IPTC 2019 - 12th International Particle Toxicology Conference

Sept. 11-13, 2019,
Salzburg, Austria



Wednesday, 11 September		
9:00 AM	Opening	Albert Duschl, University of Salzburg, Head of Organizing Committee Fatima Ferreira-Briza, Vice Rector for Resarch, University of Salzburg
A Fibres		
9:15 AM	Keynote 1: Surfaces of particles and fibres: Their role in assessing exposure and toxicity	Mary Gulumian, University of the Witwatersrand, Johannesburg/SA
9:50 AM	The significance of shape on particle-cell interactions in the lung	Tobias Stöger, Helmholtz Zentrum München, Neuherberg, D
10:10 AM	Long-Fibre Carbon Nanotubes Induce Sporadic Pleural Mesothelioma Recapitulating Human Disease: a role for epigenetic mechanisms in disease development	Joaquin Zacarias Cabeza, MRC Toxicology Unit, University of Cambridge, Leicester, UK
10:30 AM	Delayed Concentrating of Monodispersed Single-Walled Carbon Nanotubes in Cultured Cells	Masakazu Umezawa, Tokyo University of Science, Tokyo, J
10:30 AM	Break	
B Nanotoxicology		
11:00 AM	An insight into hepatic nanotoxicology	Ali Keramanizadeh, Heriot-Watt University, Edinburgh, UK
11:20 AM	An in-depth multi-omics analysis of NM exposure: a promising tool to support nanomaterial grouping	Anne Bannuscher, German Federal Institute for Risk Assessment, Berlin, D
11:20 AM	-	TBD
12:00 PM	Lunch	
C Outdoor		
1:00 PM	Keynote 2: Adverse systemic effects due to exposure to fine and ultrafine particulate matter: target beyond the lung	Andrea de Vizcaya-Ruiz, National Polytechnique Institute, Mexico City, MX
1:35 PM	Delivery, Deposition and Biokinetics of Particles in Murine Lungs: New Insights for Instillation and Inhalation from Novel Imaging Tools	Otmar Schmid, Helmholtz Center Munich, Neuherberg, D
1:55 PM	Nanoparticle Dosimetry and Particokinetics: Delivered Dose Prediction in vitro – not without Consideration of Effective Density	Sabine Hofer, University of Salzburg, Salzburg, A
2:10 PM	Novel mitochondrial targets of PM in human olfactory mucosa	Katja Kanninen, University of Eastern Finland, Kuopio, FIN
2:30 PM	Effects of short-term exposures to ultrafine particles nearby an international airport in healthy subjects	Flemming Cassee, National Institute for Public Health and the Environment, Bilthoven, NL
3:00 PM	Poster session + coffee/tea break	
D Effects of particles beyond the port of entry		
3:30 PM	Inhaled Nanoparticles Accumulate At Sites Of Vascular Disease	Mark Miller, University of Edinburgh, Edinburgh, UK
3:50 PM	Effects and lung burdens after long-term unhalation of nanoparticles in rats - Ceria and Bariumsulfate	Lan Ma-Hock, BASF, Ludwigshafen am Rhein, D
4:10 PM	Maternal exposure to nanoparticles induces endoplasmic reticulum stress with accumulation of misfolded proteins in brain perivascular regions	Atsuto Onoda, Nagoya University Hospital, Nagoya, J
4:30 PM	Effects of maternal au-np exposure by inhalation on foeto-placental development and placental function, in a rabbit model	Anne Couturier-Tarrade or Delphine Rousseau-Ralliard, INRA & Université Paris Saclay, Jouy en Josas, F
4:50 PM	-	TBD
5:00 AM	Poster session	
6:30 AM	Reception	

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9:00 AM	Keynote 3: Pulmonary-derived circulating factors promote cerebrovascular inflammatory mechanisms following inhalation of particles and gases	Matt Campen, University of New Mexico, Albuquerque/USA
E Inhalation Toxicology		
9:35 AM	Toxicity of environmentally relevant iron oxide particles	Rachel Smith, Public Health England, Didcot, Oxfordshire, UK
9:55 AM	Early-life Exposure to Ultrafine and Fine Atmospheric Particulates Exacerbates Asthma Development in Mature Mice	Chunying Chen, National Center for Nanoscience and Technology, Beijing, CN
10:15 AM	Health effects associated with exposure to air pollution inside diesel-powered passenger trains	Maria Helena Guerra Andersen The National Research Centre for the Working Environment, Copenhagen, DK
10:30 AM Break		
11:00 AM	Shipping-related particulate matter air pollution – source-specific effects on bronchial epithelial cells	Matthew Loxham, University of Southampton, Southampton, UK
11:20 AM	Toxicity of fine particulates collected inside and outside of occupied residences in southern Sweden	Nicklas R. Jacobsen, The National Research Center for the Working Environment, Copenhagen, DK)
11:40 AM	Ensembles, comparison and ranking of nanoparticles toxicity classifiers: a hands-on paradigm on the S2NANO database.	Irini Furxhi, University of Limerick, Limerick, IRL
12:00 PM	-	TBD
12:15 PM Lunch		
F Oral uptake and exposure		
1:15 PM	Keynote 4: Risks and benefits of oral particle exposure	Jonathan Powell, University of Cambridge, UK
1:55 PM	Evaluation of Dietary E171, a Food Grade TiO ₂ , on the Rat Intestine	Samuel Cohen, University of Nebraska Medical Center, Omaha, USA
2:15 PM	Evaluation of Dietary E171, a Food Grade TiO ₂ , on the Immune System	Norbert Kaminski, Michigan State University, East Lansing, Michigan, USA
2:35 PM	Repeated oral administration of silica and silver nanomaterials can disturb gut microbiota in rats	Juergen Schneckeburger, Westfälische Wilhelms-Universität Münster, Münster, D
2:55 PM	Nanomaterials in food: understanding their journey to the mouth and beyond	Saji George, McGill University, Montreal, CDN
3:15 PM Poster session + coffee/tea break		
G Cardiovascular and neurological effects		
4:00 PM	Cardiovascular and metabolic effects of diesel exhaust particles: a role for the gut microbiota?	Sybille van den Brule, Université Catholique de Louvain, Brussels, B
4:20 PM	The acute cardiovascular and nervous impacts of cooking emitted ultrafine particles on human subjects	Mehdi Amouei Torkmahalleh, Nazarbayev University, Astana, KZ
4:40 PM	Evaluation of the neurotoxic effects of engineered nanoparticles in C57BL/6J mice in 28 day oral exposure studies	Adriana Sofranko, IUF - Leibniz Research Institute for Environmental Medicine, Düsseldorf, D
5:00 PM	Toxicity and cellular uptake of smoke particles generated from residential coal burning braziers on bronchial epithelial cells	Daniel Masekameni, University of the Witwatersrand, Boksburg, ZA
5:20 PM		
7:00 PM Conference dinner		

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Friday, 13 September		
H	Risk assessment & predictivity of in vitro assays	
9:00 AM	Keynote 5: Understanding Toxicological Risks of Dermal Exposure to Engineered Nanomaterials: Is there Anything More to Study?	Ng Kee Woei, Nanyang Technological University, Singapore, SG
9:35 AM	Human alveolar lung cell models to assess long-term effects of particle aerosols	Barbara Rothen-Rutishauser, Adolphe Merkle Institute, University of Fribourg, Fribourg, CH
9:55 AM	Development of an Integrated Approach to Testing and Assessment for grouping High Aspect Ratio Nanomaterials within The EU Project GRACIOUS	Fiona Murphy, Heriot-Watt University, Edinburgh, UK
10:20 AM	Integrated Approach to Testing and Assessment of Intravenously Injected Nano-Biomaterials in BIORIMA	Leagh Powell, Heriot Watt University, Edinburgh, UK)
10:35 AM	FREE SLOT YSF presenter	TBD
10:50 AM	Break	
I	Debate	
11:15 AM	The poorly soluble persistent particles and lung overload: debate: what the experts believe	Kevin Driscoll, Rutgers University, Newark, USA and Paul Borm, NanoConsult, Meerssen, NL
12:00 PM	Award and closing ceremony	
12:15 PM	Conference end	