

## 1st SaferNanoDesign school (ESI, Archamps; 13-18 june 2016)

	Monday 13th	Tuesday 14th	Wednesday 15th	Thursday 16th	Friday 17th	Saturday 18th
8:50 - 9:00		<b>M. Auffan</b> Introduction (I)	<b>B. Gilbert</b> Introduction (II)	<b>S. Lehmann</b> (III) Introduction		
9:00 - 9:30	<b>S. Lehmann (UGA, FR)</b> : Content, Overview and Training objective of the school.	<b>M. Auffan (CEREGE, FR)</b> Nanotechnology and NM intrinsic properties	<b>B. Gilbert (Berkeley, US)</b> Surface chemical processes of nanomaterials in environment	<b>S. Lehmann (UGA, FR)</b> Nanotoxicology introduction	<b>H. Aladjov (OECD, FR)</b> Introduction to AOPs and how they can be captured in Effectopedia.	<b>Oral Defense</b>
9:30 - 9:45	<b>E. Charlaix (UGA, FR)</b> Inaugural lecture					
9:45 - 10:30			<b>J-A. Sergent (Solvay, FR)</b> Nanomaterials and Technologies in an evolving regulatory framework : Solvay's experience	<b>M. Auffan (CEREGE, FR)</b> Detecting nanomaterials in the environment and in mesocosms	<b>B. Annangi (INSERM, FR)</b> <i>in vivo</i> nanotoxicology	<b>O. Loget (CapEval Pharma, FR)</b> The industrial point of view on toxicity testing
10:30 - 11:00	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
11:45 - 12:30	<b>C. Auplat (Novancia Business School, FR)</b> Business Case study: Nanomaterials: New opportunities for SMEs?	<b>J. Rose (CEREGE, FR)</b> Ecoconception, Safer by design	<b>R. Behra (EAWAG, CH)</b> Ecotoxicity of nanoparticles to unicellular algae and fish cells	<b>F. Ehrhart (Maastricht University, NL)</b> Gene expression data analysis	<b>Practical session (III) H. Aladjov</b> Effectopedia	<b>Round Table</b>
		<b>T. Quaranta (LHYGES, FR)</b> LCA: a tool to assess environmental impact of nanotechnologies?	<b>A. Tlili (EAWAG, CH)</b> Toxicity of nanoparticles to complex microbial communities in fresh waters	<b>F. Ehrhart (Maastricht University, NL)</b> Biologic networks and Pathway analysis		
12:30 - 14:00	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
14:00 - 16:00	<b>Practical session (IV) C. Auplat; S Ben Slimane</b> Business Case Study: The Ampaint case.	<b>Practical session (I). T. Quaranta:</b> How to run a nano TiO2 production and a touch screen LCA (Two case studies)	<b>Practical session (II); B. Gilbert; L. Charlet; A. Tlili</b> Nanoparticles aggregation, dissolution and transformation. Silver nanoparticles toxicity on algae	<b>Practical session (III) F. Ehrhart</b> Gene expression data analysis WP3 P1	<b>Practical session (IV) C. Auplat</b> Follow up on Business case study and Q&A session	<b>End of the School</b>
16:00 - 16:15	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	
16:15 - 17h00	Perspective Lecture (TBA)		<b>Practical session (II); B. Gilbert; L. Charlet; A. Tlili</b> Nanoparticles aggregation, dissolution and transformation. Silver nanoparticles toxicity on algae		<b>L. Charlet (ISTerre, FR)</b> Overview lecture: The history of asbestos in the developed and developing worlds	
17:00 - 17:45	<b>L. Tran (IOM, UK)</b> Overview lecture: Framing Atherosclerosis and Alzheimer Disease as a Nanotoxicology Problem	<b>Practical session (I). C. Levard</b> Tomography practical		<b>Practical session (III) F. Ehrhart</b> Pathway and gene ontology analysis	<b>Work in groups</b>	
17:45 - 18:15	<i>Break</i>					
18:15 - 19:30	<i>Barbecue</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	
19:30 - 20:30		<i>Dinner</i>	<i>Dinner</i>	<i>Dinner</i>	<i>Dinner</i>	
20:30 - 22:00	<b>Work in groups</b>	<b>Work in groups</b>	<b>Work in groups</b>	<b>Work in groups</b>	<b>Work in groups</b>	

