

## AGENDA of Field Flow Fractionation workshop

17 – 19 April 2013

Day	Time	Topic	Content
1	9.00-9.15	Registration	
	8.45-9.15	Welcome & Overview	<ul style="list-style-type: none"> <li>• Introduction, Nanoparticles in consumer products (food)</li> </ul>
	9:15-10:15	<b>Theory</b>	<ul style="list-style-type: none"> <li>• FFF - Principle of size fractionation</li> </ul>
	10:15-10:45	Coffee break	
	10:45-12:15	<b>Theory</b>	<ul style="list-style-type: none"> <li>• Particle detection and characterization techniques (SLS, DLS, ICP-MS)</li> </ul>
	12:15-13:15	Lunch break	
	13:15-15:15	<b>Hands on training</b>	<ul style="list-style-type: none"> <li>• FFF – optimization of run conditions</li> <li>• Introduction to the FFF system including available detectors and software packages</li> <li>• Preparation of polystyrene standards</li> <li>• Preparation of the FFF system for first measurement</li> </ul>
	15:15-15:45	Coffee break	
	15:45-17:30	<b>Hands on training</b>	<ul style="list-style-type: none"> <li>• Demonstrating data analysis using available data of polystyrene</li> <li>• Calibration of FFF by size standards</li> <li>• Sequence with PSS Mix under varying carrier conditions</li> </ul>
	2	9:00-10:00	<b>Hands on training</b>
10:00-10:30		Coffee break	
10:30-12:00		<b>Theory</b>	<ul style="list-style-type: none"> <li>• Analysis of complex samples (sample preparation)</li> </ul>
12:00-13:00		Lunch break	
13:00-15:00		<b>Hands on training</b>	<ul style="list-style-type: none"> <li>• FFF/ICP-MS coupling (calibration)</li> </ul>
15:00-15:30		Coffee break	
15:30-17:30		<b>Hands on training</b>	<ul style="list-style-type: none"> <li>• FFF/ICP-MS coupling (sequence for ICP-MS coupling)</li> </ul>
3	9:00-10:00	<b>Hands on training</b>	<ul style="list-style-type: none"> <li>• Data analysis (size distribution, concentration)</li> </ul>
	10:00-10:30	Coffee break	
	10:30-12:00	<b>Hands on training</b>	<ul style="list-style-type: none"> <li>• Data analysis (size distribution, concentration)</li> </ul>
	12:00-13:00	Lunch break	
	13:00-15:00	<b>Theory</b>	<ul style="list-style-type: none"> <li>• Discussion of the results / Summary</li> </ul>