

Field Flow Fractionation workshop

(organized by EC 7th FP [NanoLyse](#) project partners)

Date: **17 – 19 April 2013**

Within the framework of the European project NanoLyse methods to detect and quantify organic and inorganic nanoparticles in different food matrices have been developed. As a result of the project the application of the analytical techniques and the developed methods are summarized in standard operation procedures. In order to provide information to potential stakeholders a workshop will be organized which addresses inorganic nanoparticle analysis using field flow fractionation hyphenated to multiple detectors.

SCOPE OF THE WORKSHOP

The workshop is designed to provide hands on laboratory experience on asymmetric field flow field fractionation (AF⁴) and it is intended primarily to FFF system users from various institutions covering industry and university sector with focus on nanoparticle characterization. In the course of seminars and hands on training in our laboratories we will demonstrate the concept of method development for nanoparticles in complex matrices. The workshop focuses on:

1. Sample preparation for the isolation of nanoparticles from the matrix
2. Optimization of FFF run conditions for size fractionation and
3. Calibration for particle detection and quantification

The workshop emphasizes the method development for characterization and quantification of nanoparticles in food. Silver nanoparticles in chicken meat and silica nanoparticles in tomato soup will be used as two representative examples.

WHAT SHOULD YOU EXPECT FROM THE WORKSHOP

As a result of the workshop the participants should understand and be able to apply the concept of method development and optimization to similar questions. It should be possible to transfer the method to your home laboratory provided it offers similar equipment.

AGENDA OF THE WORKSHOP

WORKSHOP ORGANIZERS AND CONTACT INFORMATION

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REGISTRATION AND FEES

To register for the workshop please complete [Registration Form](#) and email it to the address dissemination.officer@nanolyse.eu.

The registration will be closed on **February 20th**.

Please note that while the participation in the workshop is free of charge, participants will be responsible for their travel, accommodation costs and own meals. You can register for the workshop at University of Vienna or at the Technical University of Denmark in Copenhagen according to your preferences. However, there are only limited numbers of places available and we may not be able to customize your preferences. Together with your registration please also submit the enclosed survey. The completed survey is compulsory for your registration. If the survey is missing we cannot consider your registration.

You will be informed by email whether you are selected or not to attend the workshop by **March 1st, 2013**.

Only those candidates selected for the workshop will receive further practical information regarding transport and accommodation.