

Particle sizing

Dynamic Light Scattering

Do you want the best results when characterizing colloidal dispersions of nanoparticles?

Do you need to

- Characterize particles in cell culture media or in blood?
- Ensure that your results are accurate and reproducible?
- Explain average size and polydispersity in dispersions and suspensions?
- Deal with agglomeration and prepare stable formulations?

Join us on October 12-13, 2022. Registration deadline 22.09.2022

Swiss NanoAnalytics, BioNanomaterials Group

Adolphe Merkle Institute, Fribourg, Switzerland

...and who are we?



Amélie Bazzoni, PhD in Materials Science and Engineering

Amélie is an experienced R&D and Quality Control engineer, specialized in the experimental characterization and methods validation of complex materials.



François Maystre, PhD in Physics

François is the CEO of Instrumat AG, the Swiss distributor of Malvern Panalytical. He has profound experience in analytical instrumentation and materials characterization.



Prof. Alke Fink, PhD in Chemistry

Alke is a full professor focusing on inorganic nanoparticles, their synthesis and surface functionalization as well as their interactions with biological cells.



Sandor Balog, PhD in Physics

Sandor is a staff scientist fascinated by the theory and application of experimental techniques dedicated to particle system.

Program

Dynamic Light Scattering

Day 1 Lectures & demo, Piffalls, Best practices

Fundamental principles, Sample quality, Method development, Quality control, Complementary and orthogonal experimental techniques

Morning

- 9h – 9h30 Welcome & introduction
- 9h30 – 10h30 Fundamental principles, Average size and Polydispersity
- 10h30 – 11h Coffee break
- 11h – 12h30 Sample preparation, Complex media (such as serum or cell culture media), Stability, Aggregation, Experimental design
- 12h30 – 14h Lunch

Afternoon

- 14h – 15h30 Accuracy and Precision, Best practices and method development, Quality control
- 15h30 – 16h Coffee break
- 16h – 17h Recent Progress in DLS - Zetasizer Advance
- 17h – 17h30 Summary
- 18h – 20h Dinner

Day 2 Hands-on laboratory training, Individual Q&A slots, tailored solutions

Limited to max. 10 participants, *bring your own samples**

- 9h – 10h30 Hands-on laboratory training
- 10h30 – 11h Coffee break
- 11h – 12h30 Hands-on laboratory training
- 12h30 – 14h Lunch

Fee: 800 CHF.- / day

**Please, let us know ahead, so we can make the best out of it.*

Registration



or

[Click here!](#)

Information

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<https://www.ami.swiss/bionanomaterials>

<https://www.ami.swiss/en/nanoanalytics>

<https://instrumat.ch/meet-us-about/front-desk/>

<https://www.malvernpanalytical.com>



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