



Danish Society for Flow Cytometry

It is our pleasure to invite you to the

67th meeting of the Danish society for flow cytometry (DSFCM)

"Spectral Flow Cytometry"

Date: November 3rd 2022, kl 10:30-17:00

MOESGAARD MUSEUM

<https://www.moesgaardmuseum.dk/>

MOESGÅRD ALLÉ 15

8270 HØJBJERG

Registration deadline October 25th 2022

Registration via this link: <https://events.au.dk/67thdsfcm/conference>

At this meeting we will dig into the world of spectral flow cytometry. We have invited several people with knowledge in the field, so use the chance to get more information about the technology.

Programme:

- 10:30-11:30 Guided tour at the museum, only for DSFCM members.
- 11:35-11:45 Welcome
- 11:45-12:30 Video from keynote speaker: Dr. **Paul Robinson**, Distinguished Professor of Cytometry, Purdue University, USA.
"Introduction to Spectral Flow Cytometry"
- 12.30-13.20 Lunch and company exhibition
- 13:20-14:00 Sony Biotechnology. **Angelika Rose**, Senior Field Application Specialist.
"Spectral analysis using the Sony ID7000: Tools for deeper discoveries"
- 14:00-14:40 BD Biosciences. **Mark Dessing**, Manager European Center for Single Cell Solutions
"re-Discover Flow Cytometry and Cell Sorting"
- 14:40-15:10 Coffee and company exhibition
- 15:10-15:50 Thermo Fisher Scientific. **Seddon Thomas**, Staff Scientist.
"Leveraging novel fluorophore technologies to enable flexible and higher dimensional immune profiling by spectral flow cytometry"
- 15:50-16:30 Cytek Biosciences. **Marta Brewinska-Olchowik**.
"Cytek Biosciences as provider of Full Spectrum Profiling™"
- 16:30-16:45 Plenum discussion and questions.
- 16:50 Departure



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Please visit www.flowcytometri.dk for updates on the programme

Registration:

- All are welcome and the attendance to the meeting is free of charge. Sign up for meeting at: <https://events.au.dk/67thdsfcm/conference>
 - The guided tour at the museum is only for DSFCM members. There will be a choice between different tours, see registration, on a first come basis, but a minimum participants of each tour is required. If you are not yet a member, it takes only a few minutes to become one to attend the social event: <http://flowcytometri.dk/join-dsfcm/> prize is 150 kr/year.
 - Company members that are interested in displaying product can sign up for this at the registration.
 - If you have questions regarding registration please contact Anja Bille Bohn at anja@biomed.au.dk



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Abstracts:

Angelika Rose:

The ID7000™ spectral cell analyzer is ideal for high dimensional flow cytometry. More lasers and many more detectors mean more fluorochromes can be resolved in combination.

At 42 colors, the marker resolution is sufficient to support either directed hierarchical gating or undirected clustering algorithms.

In addition, the ID7000 AutoSampler provides highthroughputanalysis with better sample integrity, less sample waste, essentially zero carryover, and walk-away automation.

Please join Angelika Rose, Sony Senior Field Applications Scientist and flow cytometry expert who will lead this seminar to highlight how Sony's ID7000 spectral cell analyzer can advance your multi-color research and enable intuitive acquisition and analysis workflows to obtain highest data quality.

Mark Dessing:

BD Biosciences is on the threshold of adding single cell imaging on a newly developed high speed cell sorter. Join this talk to learn more about the technology and how this will enable scientists to use spatial information to identify and sort cells.

Sedon Thomas:

High dimensional full spectrum flow cytometry grants unprecedented access to previously unattainable parameters in cellular biology. The development of fluorescent labels engineered with targeted excitation and emission spectra using the Invitrogen Phiton DNA platform has expanded the complexity and resolution of biological questions that can be asked in a single panel. In this tutorial, we take a deep dive into a broadly focused human immune panel with over 30 parameters that is designed to enable biologists to expand plex while preserving spectral space for specific markers of choice.

Marta Brewinska-Olchowik:

Cytek Biosciences provides a plethora of tools and solutions to efficiently complete the path from experimental design to high-quality interpretable results. Not only do we provide full spectrum technology with Cytek Aurora, Northern Lights™ or Aurora CS systems, we now also offer a wide range of reagents such as human and mouse antibodies, buffers and immunoprofiling kits. The new cFluor™ reagents are optimized to take advantage of our Full Spectrum Profiling™ (FSP™) technology.

Using full spectrum flow cytometry allows researchers to run panels of 40 colors and beyond without sacrificing data resolution. This results in saving precious samples and reagents, decreases time needed for sample preparation and acquisition, and reduces operating costs, allowing labs to run more efficiently.

Cytek has developed a variety of tools to help researchers develop panels, such as the Cytek Full Spectrum Viewer and novel Similarity™ and Complexity™ Indices, by providing scientists with quantitative feedback to make better fluorochrome choices fortheir multi-colored applications.

Cytek's full spectrum flow cytometry platform provides researchers with panel design flexibility and cell sorting capabilities. The Aurora CS system provides the same



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benefits of Full Spectrum Profiling (FSP™) technology as the Aurora system and isolates live cells for downstream studies. Its optical design and unmixing algorithm provide scientists remarkable flexibility, enabling the use of a wide array of new fluorochrome combinations without reconfiguring the system for each application. The state-of-the-art optics and low-noise electronics provide high-resolution, high-content and high sensitivity.