

User Seminar FZI-FACS Core Facility: Next Generation of Cell Analysis

Applications of High Speed High Content Image Analysis of Cells in Suspension Using Amnis® Imaging Flow Cytometry

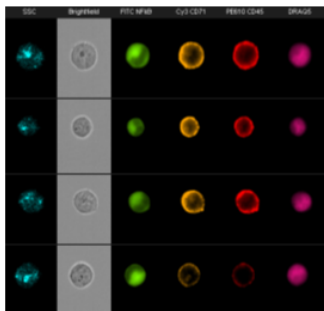
Amnis® Imaging Flow Cytometer perform high speed multispectral imaging of cells in flow. Up to 12 simultaneous fluorescent, brightfield, and darkfield images can be generated from every cell at speed in the range of 5000 cells/second, broadening the applications of traditional imaging techniques to include the quantitative analysis of rare cells in primary samples. The benefits of the technology will be presented in a seminar and include:

- Identification and objective quantification of events happening on, within or between cells
- Elimination of false positive and false negative events (gating with confidence)
- Evaluation and quantification of morphological changes in cells

Amnis® Imaging Flow Cytometry Applications include:

Morphology / Shape Change
Internalization
Cell Signaling / Nuclear Translocation
Co-localization
Cell Death and Autophagy
Cell Cycle and Mitosis

DNA Damage and Repair
Stem Cell Differentiation
Targeted Immunotherapy
Microbiology
Parasitology
Cell-Cell Interactions and many more



NEW in PKZI (Mainz)



AGENDA

Wednesday, 28th February

Seminar: 10.00 (s.t.) - 12.00

Workshop: 12.30 – 14.00

Seminar to present the Imaging Flow Cytometry technology and applications

Location: University Medical Center Mainz, Building 708, Seminar Room 2

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Organized by the Research Center for Immunotherapy (FZI) in cooperation with Merck Chemicals GmbH

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