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**"Amnis Imaging Flow Cytometry
Flow Cytometry with Vision:
Applications of High Speed High Content
Image Analysis of Cells in Suspension"**

09 October 2012, 11:00 (s.t.)

Venue: 2nd Floor Seminar Room
Institute of Molecular Biology (IMB)
Johannes Gutenberg University Campus Mainz

All are welcome to attend

Abstract:

The technology from Amnis performs high speed multispectral imaging of cells in flow. Up to 12 simultaneous fluorescent, brightfield and darkfield images can be generated from every cell at speeds in the range of 4000 cells/ second, bringing imaging parameters to FlowCytometry and broadening the applications of traditional imaging techniques to include the quantitative analysis of rare cells in primary samples. The benefits of this technology will be brought out and illustrated with application data in this seminar and include:

- Unparalleled fluorescence sensitivity in all fluorescence detection channels
- The ability to identify and objectively quantify events happening on, within or between cells
- Elimination of false positive and false negative events (gating with confidence)
- Evaluation and objective quantification of morphological changes in cells

The seminar will include a description of the technology and lots of application data. After the seminar there shall be time for questions and scientific discussion.