

Exposé Vorlesung FACS

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Flow cytometry enables the high-throughput analysis of multiple parameters on a single cell level. Especially in the field of immunology, morphologically similar but functionally quite heterogeneous cell populations are studied. Multiparametric flow cytometry allows for the discrimination of functionally distinct cell populations, even of rare cell subsets, and is used for the analysis of immune responses, diagnosis and prognosis. This lecture will introduce the technology of flow cytometry and will give examples of the use of flow cytometry and cell sorting in clinical and biomedical research. The students will have the opportunity to discuss problems experienced in the application and analysis of flow cytometry and cell sorting and are invited to bring own data.