

MAR08-2008-020476

Abstract for an Invited Paper
for the MAR08 Meeting of
the American Physical Society

Detection limits and scalability of miniaturized antibody assays in real-world applications

BRIAN HAAB, Van Andel Institute

Antibody-based analytical assays have increasing importance in biological and biomedical applications. The ability to miniaturize the assays can lead to increased multiplexing and throughput, thus increasing information content while saving on the consumption of valuable samples and reagents. However, several challenges need to be addressed to enable the implementation of such technologies. This talk will address the factors affecting detection limits and scalability in real-world applications of antibody microarrays for the study of proteins in human blood serum.