

Back-scattering Interferometry studies of label-free molecular interactions

Bio molecular interactions are studied in micro fluidic systems. This is done both with surface bound samples and in free-solution. All is done label-free. Both the influence of labels and surface bound effects are discussed. Here is presented a highly sensitive device that can detect binding pairs over six orders of magnitude, covering all relevant systems in nature, from pico molar to micro molar binding at unprecedented detection limits.