

Small molecule interactions with membrane proteins using flow induced dispersion analysis

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Characterising Membrane protein interactions in-vitro presents a significant challenge, primarily due to the subtle mass changes between the ligand-free and bound states of membrane proteins. This proves an obstacle for methods relying on a change in molecular mass for detection such as SPR, BLI, mass photometry, analytical ultracentrifugation, and MST.

In this work, we outline how Flow Induced Dispersion Analysis (FIDA) provides a selection of approaches to study interactions between small molecules and membrane proteins.