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[924] Focal Molography: From Fundamentals to DNA-Encoded Library Screenings and Membrane Protein Target Characterization

Wednesday 11 September 2024 15:15 (30 minutes)

Focal Molography (FM) is an emerging label-free method for real-time molecular interaction analysis in complex environments. This contribution will cover the basic physics of FM and explain its advantages over established techniques due to its operating principles. We will then explore the application of FM for rapid and multiplexed kinetic characterization of small molecule hits from DNA-encoded library screenings. Additionally, the talk will address the use of FM in characterizing membrane protein targets, including GPCRs, showcasing its ability to provide real-time interaction data without labels in living cells. This presentation aims to provide a comprehensive overview of the potential of FM in revolutionizing drug discovery processes.

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