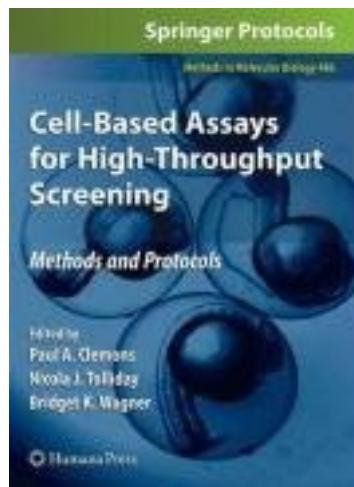


Cell-Based Assays for High-Throughput Screening



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As the use of high-throughput screening expands and creates more interest in the academic community, the need for detailed reference materials becomes ever more pressing. *Cell-Based Assays for High-Throughput Screening: Methods and Protocols* aims to fill an important part of this need by providing an easily accessible reference volume for cell-based phenotypic screening. Leading researchers in the field contribute state-of-the-art methods with actionable protocols covering four major areas of study: model biological systems, screening modalities and assay systems, detection technologies, and approaches to data analysis. Written in the highly successful *Methods in Molecular Biology* series format, each chapter includes a brief introduction to the subject, lists of necessary materials and reagents, step-by-step laboratory protocols, and a Notes section detailing tips on troubleshooting and avoiding known pitfalls. Cutting-edge and easy-to-use, *Cell-Based Assays for High-Throughput Screening: Methods and Protocols* presents an overview of relevant approaches, enabling the direct application of existing methods to new discoveries while also inspiring researchers to approach their screening projects in a conceptually

modular fashion, enhancing the power to discover through new combinations of existing approaches.

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