



## High Throughput Screening : Methods and Protocols

By William P. Janzen

Springer-Verlag GmbH Jun 2016, 2016. Buch. Condition: Neu. Neuware - This third edition volume expands on the previous editions both by presenting more detailed protocols for the techniques described in the first and second editions of High Throughput Screening: Methods and Protocols and by covering important new procedures. The first chapter of this book provides an overview of important assay development techniques, while the rest of the chapters detail how to develop and execute screens at whatever throughput the user needs. Some chapter examples are: structure-based virtual screening, high throughput screening using mass spectrometry, identification of state-dependent blockers for voltage gated calcium channels, bioluminescence resonance energy transfer platform to monitor protein-protein interactions in live cells, high throughput flow cytometry, and application of imaging-based assays in microplate formats for high content screening. Written in the highly successful Methods in Molecular Biology series format, chapters include introductions to their respective topics, lists of the necessary materials and reagents, step-by-step, readily reproducible laboratory protocols, and tips on troubleshooting and avoiding known pitfalls. Cutting edge and thorough, High Throughput Screening: Methods and Protocols, Third Edition, is a valuable resource for anyone who is interested in HTS research. 308 pp. Englisch.



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