

1. Record Nr.	UNINA9910459023403321
Autore	Kisaalita William Ssempe <1953, >
Titolo	3D cell-based biosensors in drug discovery programs : microtissue engineering for high throughput screening / / William S. Kisaalita
Pubbl/distr/stampa	Boca Raton [Fla.] : , : CRC Press, , 2010
ISBN	0-429-14677-9 1-4200-7350-8
Descrizione fisica	1 online resource (392 p.)
Disciplina	615/.19
Soggetti	Pharmaceutical biotechnology Biosensors High throughput screening (Drug development) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Dedication; Contents; Preface; Author; Part I. Introduction; Chapter 1. Biosensors and Bioassays; Chapter 2. Target-Driven Drug Discovery; Part II. 3D versus 2D Cultures; Chapter 3. Comparative Transcriptional Profiling and Proteomics; Chapter 4. Comparative Structure and Function; Part III. Emerging Design Principles; Chapter 5. Chemical Microenvironmental Factors; Chapter 6. Spatial and Temporal Microenvironmental Factors; Chapter 7. Material Physical Property and Force Microenvironmental Factors; Chapter 8. Proteomics as a Promising Tool in the Search for 3D Biomarkers Chapter 9. Readout Present and Near Future Chapter 10. Ready-to-Use Commercial 3D Plates; Part IV. Technology Deployment Challenges and Opportunities; Chapter 11. Challenges to Adopting 3D Cultures in HTS Programs; Chapter 12. Cases for 3D Cultures in Drug Discovery; Chapter 13. Ideal Case Study Design; Appendix A: Patents for 3D Scaffolds; Appendix B: Current Drug Targets; Appendix C: Popular Cell Lines in Drug Discovery; Appendix D: Stem Cells in Drug Discovery; Back Cover
Sommario/riassunto	This book is based upon cutting-edge research conducted in the authors lab (Cellular Bioengineering), which over the past decade has

developed a number of sophisticated techniques to facilitate use of 3D cell based assays or biosensors. This book uses data from peer-reviewed publications to conclusively justify use of 3D cell cultures in cell-based biosensors (assays) for (HTS). The majority of assays performed in accelerated drug discovery processes are biochemical in nature, but there is a growing demand for live cell-based assays. Unlike biochemical ones, cellular assays are functional approximations of in vivo biological conditions and can provide more biologically relevant information--Provided by publisher.

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2. Record Nr.	UNINA9910404085803321
Autore	Picard Brigitte
Titolo	Current Advances in Meat Nutritional, Sensory and Physical Quality Improvement
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2020
ISBN	3-03928-691-9
Descrizione fisica	1 online resource (236 p.)
Soggetti	Biology, life sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Within the idea and objective of bringing together original studies dealing with the continuum aspects of meat, i.e., from farm to fork, this book grouped papers on the study of the nutritional, sensory, and technological aspects of carcass, muscle, meat, and meat-product qualities. This book highlights a great part of the research activities in the field of meat science. A total of 14 original studies and one comprehensive review were edited within five main topics: (i) production systems and rearing practices, (ii) prediction of meat quality, (iii) statistical approaches for meat quality prediction/management, (iv) muscle biochemistry and proteomics techniques, and (v) consumer acceptability, development, and characterization of meat products.

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