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Titolo	Methods in bioengineering : alternatives to animal testing // Tim Maguire, Eric Novik, editors
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Descrizione fisica	1 online resource (298 p.)
Collana	Methods in bioengineering series
Altri autori (Persone)	MaguireTimothy J (Timothy John) NovikEric
Disciplina	179.4
Soggetti	Animal experimentation - Moral and ethical aspects Animal welfare - Moral and ethical aspects Human-animal relationships - Moral and ethical aspects
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	Contents; Preface; Chapter 1 Current Methods for Prediction of Human Hepatic Clearance Using In Vitro Intrinsic Clearance; 1.1 Introduction; 1.2 Materials; 1.3 Methods; 1.3.1 Thawing the hepatocytes; 1.3.2 Clearance study using a hepatocyte suspension; 1.3.3 Clearance study using a plated hepatocyte culture; 1.3.4 Clearance study using a plated hepatocyte culture under a flow condition; 1.3.5 Sampling for the clearance study; 1.3.6 Sample analysis using LC-MS/MS; 1.4 Data Acquisition, Anticipated Results, and Interpretation; 1.4.1 Hepatocyte suspension and plated hepatocyte system 1.4.2 Physiologically based microfluidic systems1.5 Discussion and Commentary; 1.5.1 Hepatocyte suspension system; 1.5.2 Plated hepatocyte system; 1.5.3 Physiologically based microfluidic systems; 1.6 Summary; References; Chapter 2 Use of Permeability from Cultured Cell Linesand PAMPA System and Absorption from Experimental Animals for the Prediction of Absorption in Humans; 2.1 Introduction; 2.2 Materials; 2.3 Methods; 2.3.1 Cultured cell system; 2.3.2 PAMPA system; 2.3.3 In vivo absorption measurements; 2.4 Data Acquisition, Anticipated Results, and Interpretation; 2.4.1 Data analysis

2.4.2 Results and interpretation 2.5 Discussion and Commentary; 2.5.1 Cell culture and PAMPA systems; 2.5.2 Absorption in experimental animals; 2.5.3 Rats; 2.5.4 Dogs; 2.5.5 Monkeys; 2.6 Summary; References; Chapter 3 Aggregating Brain Cell Cultures for Neurotoxicity Tests; 3.1 Introduction; 3.2 Experimental Design; 3.3 Materials; 3.3.1 Animals; 3.3.2 Special equipment; 3.3.3 Reagents; 3.3.4 Preparation of solutions and media; 3.4 Methods; 3.4.1 Washing and sterilizing the glassware; 3.4.2 Cell isolation and culture preparation 3.4.3 Maintenance of aggregating brain cell cultures (media replenishment and subdivision) 3.4.4 Preparation and treatment of replicate cultures; 3.4.5 Harvest of replicate cultures for various analytical procedures; 3.4.6 Examples of sample preparation and use for various analytical procedures; 3.4.7 Data Analysis; 3.5 Anticipated Results; 3.6 Discussion and Commentary; 3.7 Application Notes; 3.8 Summary Points; Acknowledgments; References; Chapter 4 Approaches Towards a Multiscale Model of Systemic Inflammation in Humans; 4.1 Introduction; 4.2 Materials 4.2.1 Human endotoxin model and data collection 4.3 Methods; 4.3.1 Transcriptional dynamics and intrinsic responses; 4.3.2 Modeling inflammation at the cellular level; 4.3.3 Modeling inflammation at the systemic level; 4.4 Results; 4.4.1 Elements of the multiscale host response model of human inflammation; 4.4.2 Estimation of relevant model parameters; 4.4.3 Qualitative assessment of the model; 4.5 Conclusions; Acknowledgments; References; Chapter 5 A Liposome Assay for Evaluating the Ocular Toxicity of Chemicals; 5.1 Introduction; 5.2 Experimental Design; 5.3 Materials; 5.4 Methods 5.4.1 Preparation of calcein-loaded liposomes

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## Sommario/riassunto

Written and edited by recognized experts in the field, the new Artech House Methods in Bioengineering book series offers detailed guidance on authoritative methods for addressing specific bioengineering challenges. Offering a highly practical presentation of each topic, each book provides research engineers, scientists, and students with step-by-step procedures, clear examples, and effective ways to overcome problems that may be encountered. Providing alternatives to animal testing is one of the hottest topics in biomedical research, and this groundbreaking volume addresses this critical issues head on. This unique book presents techniques and methods at the forefront of scientific research that have the potential to replace certain whole animal tests. Moreover, this book provides a platform where other widely accepted techniques and scientific advancements can be collated into a concise set of methods that can be implemented within both academic and industrial communities.

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2. Record Nr.	UNINA9910141548803321
Titolo	Audiences : defining and researching screen entertainment reception / / edited by Ian Christie [[electronic resource]]
Pubbl/distr/stampa	Amsterdam : , : Amsterdam University Press, , 2012
ISBN	90-485-1505-X
Edizione	[1st ed.]
Descrizione fisica	1 online resource (332 pages) : digital, PDF file(s)
Collana	The key debates ; ; 3
Disciplina	302.2343
Soggetti	Motion picture audiences
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Title from publisher's bibliographic system (viewed on 14 Dec 2020).
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Introduction: in search of audiences / Ian Christie -- ; pt. 1. Reassessing historic audiences. "At the picture palace": the British cinema audience, 1895-1920 / Nicholas Hiley ; Gentleman in the stalls: Georges Melies and spectatorship in early cinema / Frank Kessler ; Beyond the nickelodeon: cinema going, everyday life and identity politics / Judith Thissen ; Cinema in the colonial city: early film audiences in Calcutta / Ranita Chatterjee ; Locating early non-theatrical audiences / Gregory A Waller ; Understanding audience behavior through statistical evidence: London and Amsterdam in the mid-1930s / John Sedgwick and Clara Pafort-Overduin -- ; pt. 2. New frontiers in audience research. Aesthetics and viewing regimes of cinema and television, and their dialectics / Annie van den Oever ; Tapping into our tribal heritage: The lord of the rings and brain evolution / Torben Grodal ; Cinephilia in the digital age / Laurent Jullier and Jean-Marc Leveratto ; Spectator, film and the mobile phone / Roger Odin ; Exploring inner worlds: where cognitive psychology may take us / a dialogue between Tim J. Smith and Ian Christie -- ; pt. 3. Once and future audiences. Crossing out the audience / Martin Barker ; Cinema spectator: a special memory / Raymond Bellour ; Operatic cinematics: a new view from the stalls / Kay Armatiage ; What do we really know about film audiences? / Ian Christie.
Sommario/riassunto	Moving away from the recent prevalence of text-based analysis in the field of film studies, 'Audience' tackles one of the most important issues in cinema - how the audience engages with film. Ian Christie has

assembled contributions from many of the major figures in media studies, including Gregory Waller, John Sedgwick, and Martin Baker, in order to provide a wide-ranging survey of viewers' relationships with the screen. 'Audiences' utilizes psychoanalysis and psychology, which dominated early academic examinations of film, to parse and explain modern film-viewing habits. This wide-ranging volume also takes advantage of new technology to gain access to important data on audiences, from traditional box office studies to information on digital access to movies in the home. With a particular interest in individual consumers and their motivations, this timely collection spans the spectrum of contemporary audience studies. As the film experience fragments across multiple formats, 'Audiences' studies a broad range of viewers, and is essential reading for scholars and lovers of cinema.

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