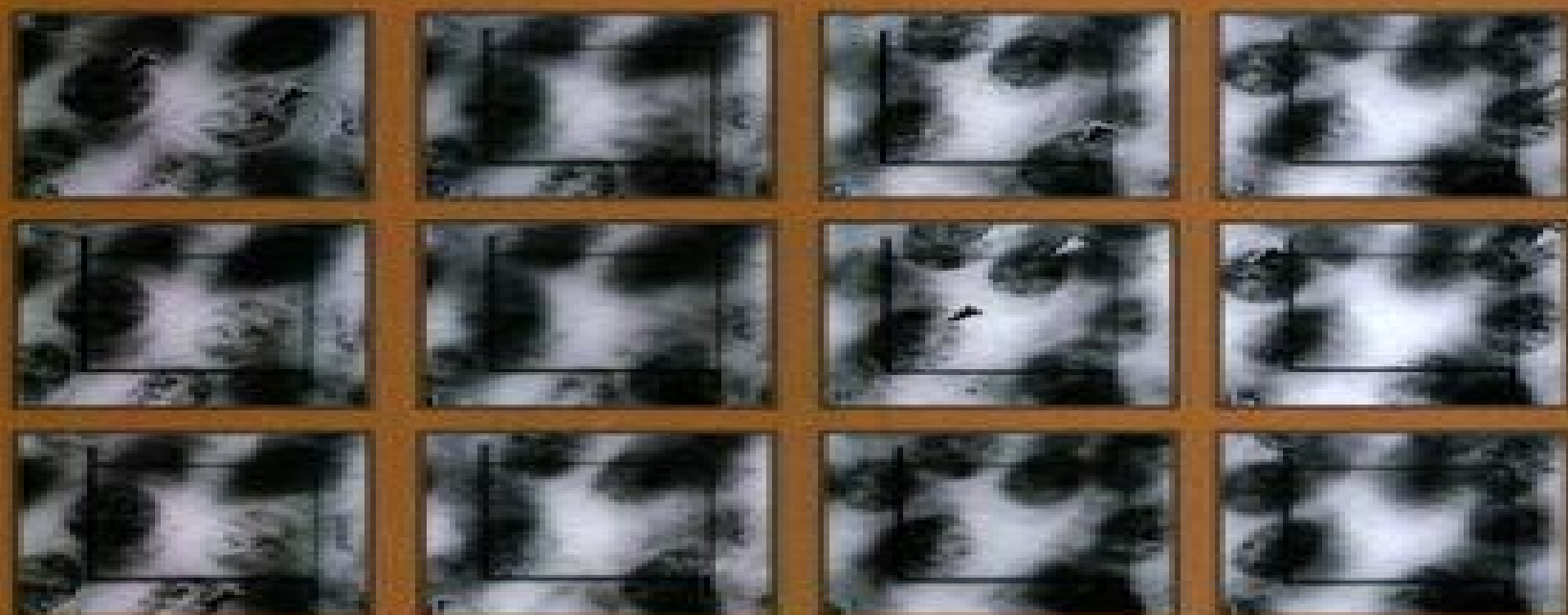


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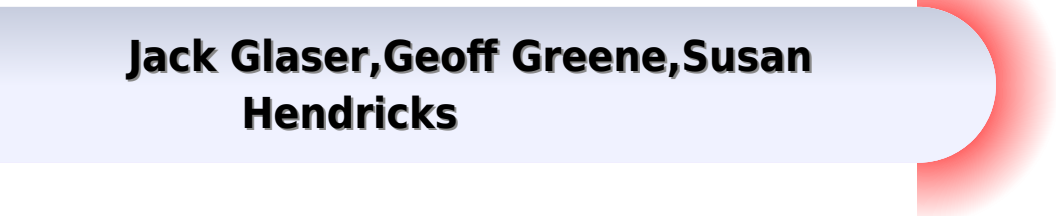
An Introduction for Bioscientists



Peter R. Mouton

Principles And Practices Of Unbiased Stereology

**Jack Glaser, Geoff Greene, Susan
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artificial intelligence to neural tissue In the Neuromethods series style chapters include the kind of detail and key advice from the specialists needed to get successful results in your laboratory Cutting edge and comprehensive Advances in Stereology for Neuroscience is a valuable resource for researchers who are interested in learning more about this important and developing field **Neurostereology** P. R. Mouton,2013-11-12 Stereological methods provide researchers with unparalleled quantitative data from tissue samples and allow for well evidenced research advances in a broad range of scientific fields Presenting a concise introduction to the methodology and application of stereological research in neuroscience Neurostereology provides a fuller understanding of the use of these methods in research and a means for replicating successful scientific approaches Providing sound footing for future research Neurostereology is a useful tool for basic and clinical researchers and advanced students looking to integrate these methods into their research Stereology for Biological Research Jack Glaser,Geoff Greene,Susan Hendricks,2007 **Stereology for Statisticians** Adrian Baddeley,Eva B. Vedel Jensen,2004-11-29 Setting out the principles of stereology from a statistical viewpoint this book focuses on both basic theory and practical implications The authors discuss ways to effectively communicate statistical issues to clients draw attention to common methodological errors and provide references to essential literature The first full text on design bas Handbook of Imaging in Biological Mechanics Corey P. Neu,Guy M. Genin,2014-10-24 Emerging imaging techniques have opened new fronts to investigate tissues cells and proteins Transformative technologies such as microCT scans super resolution microscopy fluorescence based tools and other methods now allow us to study the mechanics of cancer dissect the origins of cellular force regulation and examine biological specimens *Developmental Neurotoxicology Research* Cheng Wang,William Slikker, Jr,2011-04-12 This book describes how systems biology pharmacogenomic and behavioral approaches as applied to neurodevelopmental toxicology provide a structure to arrange information in a biological model Authors review and discuss approaches that can be used as effective tools to dissect mechanisms underlying pharmacological and toxicological phenomena associated with the exposure to drugs or environmental toxicants during development This book presents cross cutting research tools and animal models along with applications to the studies associated with potential anesthetic induced developmental neurotoxicity the developmental basis of adolescent or adult onset of disease risk assessment of methyl mercury and its effects on neurodevelopment challenges in the field to identify environmental factors of relevance to autism and the strategy and progress of epilepsy research

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