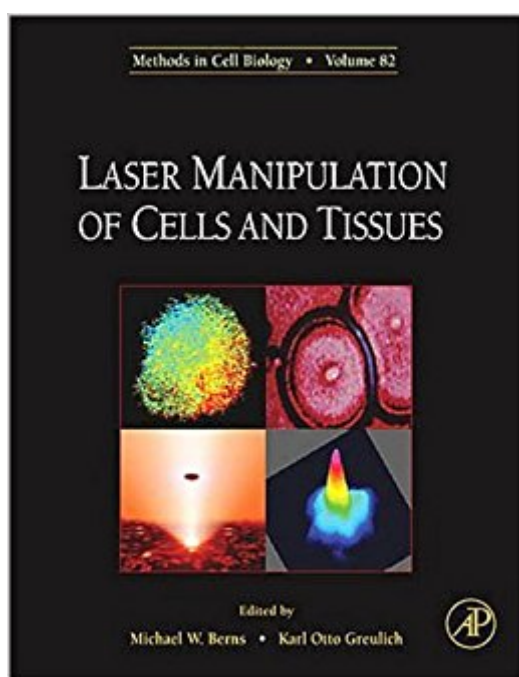


The book was found

# Laser Manipulation Of Cells And Tissues, Volume 82 (Methods In Cell Biology)



## Synopsis

The use of laser-based manipulation tools has literally exploded on the cell biology and molecular pathology scene, resulting in as many different laser micromanipulation systems as there are people using them. *Laser Manipulation of Cells and Tissues* ties all these systems and studies together, describing all of the different kinds of research and practical/analytical applications of laser manipulation. It also provides the reader with the basic information needed to actually build one's own laser micro-manipulation system. The combination of imaging and molecular probe technology with laser micromanipulation greatly extends the use of this technology in molecular, cellular, developmental and patho-biology/medicine. This book should be valuable to scientists, clinicians, and students in the fields of cell and developmental biology, cell physiology, cancer biology, pathology, and stem cell biology. Devotes four chapters to laser catapulting and capture of DNA and other cellular material for biochemical analysis - a major use of this technology that has been adapted for molecular pathology both in clinical medicine and research. Discusses the theory of laser tweezers (optical tweezers) and its application to novel problems in biology. Covers topics on optoporation (getting things into cells), uncaging of molecules, and the ability to collect and analyze nanomolar amounts of cell material by an array of biochemical/physical tools of particular interest to cell biologists and drug discovery researchers.

## Book Information

Series: *Methods in Cell Biology* (Book 82)

Hardcover: 792 pages

Publisher: Academic Press; 1 edition (July 4, 2007)

Language: English

ISBN-10: 0123706483

ISBN-13: 978-0123706485

Product Dimensions: 1.2 x 8 x 9.8 inches

Shipping Weight: 3.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #374,304 in Books (See Top 100 in Books) #2 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Special Topics > Lasers in Medicine](#) #4 in [Books > Medical Books > Medicine > Lasers in Medicine](#) #42 in [Books > Science & Math > Physics > Light](#)

[Download to continue reading...](#)

Laser Manipulation of Cells and Tissues, Volume 82 (Methods in Cell Biology) Manipulation: The Definitive Guide to Understanding Manipulation, MindControl and NLP: Manipulation Series, Volume 1 Manipulation: The Complete Step by Step Guide on Manipulation, Mind Control and NLP (Manipulation Series Book 3) American National Standard for Safe Use of Lasers: ANSI Z136.1-2000 (ANSI (Laser Institute of America)) (ANSI (Laser Institute of America)) (ANSI (Laser Institute of America)) Cells and tissues: A three-dimensional approach by modern techniques in microscopy : a celebrative symposium--the Opera omnia of Marcello Malpighi : ... in clinical and biological research) Bioelectrochemistry of Cells and Tissues (Bioelectrochemistry: Principles and Practice) Plant Cells and Tissues (Green World (Chelsea House)) Introduction to Cell and Tissue Culture: Theory and Technique (Introductory Cell and Molecular Biology Techniques) Mind Control Mastery 4th Edition: Successful Guide to Human Psychology and Manipulation, Persuasion and Deception! (Mind Control, Manipulation, Deception, ... Psychology, Intuition, Manifestation,) Manipulation: How to Recognize and Outwit Emotional Manipulation and Mind Control in Your Relationships - 3rd Edition Volume 1 - Cell Biology and Genetics (Biology: the Unity and Diversity of Life) Manipulation: Proven Manipulation Techniques to Influence People with NLP, Mind Control and Persuasion! Manipulation: Proven Manipulation Techniques To Influence People With NLP, Mind Control and Persuasion! ( Persuasion, Mind Control, Influence People) Mind Control, Human Psychology, Manipulation, Persuasion and Deception Techniques Revealed. ( dark psychology, mind control, hypnosis, forbidden psychology, manipulation)) MIND CONTROL: Manipulation, Deception and Persuasion Exposed: Human Psychology (Manipulation, Hypnosis, Brainwashing, Subconscious Mind, Psychopath) Dental Materials: Properties and Manipulation, 9e (Dental Materials: Properties & Manipulation (Craig)) Dental Materials: Properties and Manipulation, 8e (Dental Materials: Properties & Manipulation (Craig)) Manipulation: How to Master Manipulation, Mind Control and NLP Correlative Light and Electron Microscopy II, Volume 124 (Methods in Cell Biology) Manipulation: 12 Dangerous Persuasion Secrets Used by The World's Most Powerful Men to Manipulate, Persuade & Influence People (Manipulation Series)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)