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Testing of Software and Communicating Systems Frontiers Media SA

This guide to micromanipulation techniques, for assisted conception in a clinical setting, includes detailed descriptions of all common micromanipulation systems currently in use in IVF laboratories. In explaining how to optimize their successful use, the volume covers state-of-the-art techniques including ICSI, and procedures such as assisted hatching and the blastomere biopsy (for PGD). Valuable information on troubleshooting mechanical and technical difficulties is provided to help professionals ranging from technicians to consultant obstetricians master the techniques.

Guide to Yeast Genetics and Molecular Cell Biology Springer Science & Business Media

The second edition of this book constitutes a comprehensive manual of new techniques for setting up mammalian cell lines for production of biopharmaceuticals, and for optimizing critical parameters for cell culture considering the whole cascade from lab to final production. The chapters are written by world-renowned experts and the volume ' s five parts reflect the processes required for different stages of production. This book is a compendium of techniques for scientists in both industrial and research laboratories that use mammalian cells for biotechnology purposes.

Evolution, Emerging Functions and Structure of Actin-Binding Proteins Cambridge University Press

This basic source for identification of U.S. manufacturers is arranged by product in a large multi-volume set. Includes: Products & services, Company profiles and Catalog file.

Thomas Register of American Manufacturers Cambridge University Press

This topic has been realized in collaboration with Dr. Gabriele Ruffolo, Post Doctoral Researcher at the University of Rome (Sapienza) (ORCID ID: 0000-0002-6554-5496).

When the Shape Does Matter: Three-Dimensional In Vitro Models of Epithelial Barriers Walter de Gruyter

For around half of the couples who have trouble conceiving the cause of infertility is sperm-related. Intracytoplasmic sperm injection (ICSI) is the most common and successful treatment for male infertility. Here, the pioneers for the technique, along with authorities in the field, describe the underlying science of ICSI and other micromanipulation techniques. Practical advice for performing the techniques is covered in depth, including sperm selection, laser-assisted ICSI, and the use of piezo in ICSI. Examining the safety of ICSI in animal models as well as the impact of ICSI on the health and well-being of the children conceived through the procedure is discussed. This manual is an essential resource for clinical embryologists and laboratory personnel wishing to refine or develop techniques and improve outcomes.

Spores and Spore Formers Elsevier

The Eclipse of the Utopias of Labor traces the shift from the eighteenth-century concept of man as machine to the late twentieth-century notion of digital organisms. Step by step—from Jacques de Vaucanson and his Digesting Duck, through Karl Marx's Capital, Hermann von Helmholtz's social thermodynamics, Albert Speer's Beauty of Labor program in Nazi Germany, and on to the post-Fordist workplace, Rabinbach shows how society, the body, and labor utopias dreamt up future societies and worked to bring them about. This masterful follow-up to The Human Motor, Rabinbach's brilliant study of the European science of work, bridges intellectual history, labor history, and the history of the body. It shows the intellectual and policy reasons as to how a utopia of the body as motor won wide acceptance and moved beyond the "man as machine" model before tracing its steep decline after 1945—and along with it the eclipse of the great hopes that a more efficient workplace could provide the basis of a new, more socially satisfactory society.

Woman the Hunter SEAP (Patologia)

Vols. for 1970-71 includes manufacturers' catalogs.

Surveying Instruments Elsevier

Step-by-step approach to cataract surgery for the ophthalmic intern, the intracapsular surgeon learning extracapsular surgery, and the extracapsular surgeon learning phacoemulsification.

Thomas Register of American Manufacturers and Thomas Register Catalog File Carl Zeiss AG

When women take up weapons for the explicit purpose of killing, they are shattering one of Western culture's oldest taboos. Experienced hunter and teacher Mary Zeiss Stange demonstrates how false assumptions about women and about hunting permeate contemporary thought. Stange's book is a profound critique of our society's evasion of issues that make us uncomfortable. Bibliography. Index.

Motor System and Motor Diseases: From Molecules to Circuits Frontiers Media SA

Sesame (Sesamum indicum L.) is recognized as one of the most ancient oils. Its cultivation goes back to 2130 BC. It is cultivated in tropical, subtropical and southern temperate regions of the world for its seeds which are a rich source of edible oil. Recent studies have shown that the oil lowers cholesterol levels and hypertension in humans and reduces the incidence of certain cancers. India ranks high in the area and production of sesame in the world with an annual area of 2.07 million hectares and total production of 0.76 million tons. Even though sesame is the predominant oil seed crop of India, the per hectare productivity and the economic returns given by it are very low. The crop is very sensitive to biotic and abiotic stresses and it grows in marginal light-textured inceptisols having poor soil fertility associated with imbalance and without fertilizer application. The application of both organic and inorganic fertilizers could help bringing in profitable returns. However, due to escalating costs of production of chemical fertilizers and low subsidies for farmers, the agricultural planners are compelled to re-orient their thinking towards cost effective and cheap renewable resources.

Epilepsy and Neurodevelopmental Diseases Scion Publishing Ltd

This book constitutes the refereed proceedings of the 19th IFIP TC 6/WG 6.1 International Conference on Testing Communicating Systems, TestCom 2007, and the 7th International Workshop on Formal Approaches to Testing of Software, FATES 2007, held in Tallinn, Estonia. It covers all current issues in testing communicating systems and formal approaches in testing of software, from classical telecommunication issues to general software testing.

Manual de Telepatología (Telepathology Manual) Frontiers Media SA

This four-volume laboratory manual contains comprehensive state-of-the-art protocols essential for research in the life sciences. Techniques are presented in a friendly step-by-step fashion, providing useful tips and potential pitfalls. The important steps and results are beautifully illustrated for further ease of use. This collection enables researchers at all stages of their careers to embark on basic biological problems using a variety of technologies and model systems. This thoroughly updated third edition contains 165 new articles in classical as well as rapidly emerging technologies. Topics covered include: Cell and Tissue Culture: Associated Techniques, Viruses, Antibodies, Immunocytochemistry (Volume 1) Organelle and Cellular Structures, Assays (Volume 2) Imaging Techniques, Electron Microscopy, Scanning Probe and Scanning Electron Microscopy, Microdissection, Tissue Arrays, Cytogenetics and In Situ Hybridization, Genomics and Transgenic Knockouts and Knock-down Methods (Volume 3) Transfer of Macromolecules, Expression Systems, Gene Expression Profiling (Volume 4) Indispensable bench companion for every life science laboratory Provides the latest information on the plethora of technologies needed to tackle complex biological problems Includes numerous illustrations, some in full color, supporting steps and results

Pulp and Paper Manual of Canada Springer

Movement is the basis for many forms of behaviors, and is tightly controlled by a hierarchical system containing cerebral cortex, basal ganglia, cerebellum, brainstem, and spinal cord. Each level of this hierarchy contributes to motor planning, motor initiation, motor execution, and motor coordination, respectively. However, they all receive continuous sensory inputs and generate accurate sensorimotor integrations that are necessary for both predictive and reflexive/servo controls of movements. The motor system contains various types of neurons with different morphological, neurochemical and electrophysiological properties, which are significantly dependent on many intracellular signaling molecules. Interestingly, these neurons are interconnected by intricate neuronal circuits for motor control, and even interacted with other non-motor systems to orchestrate somatic-nonsomatic integration. Furthermore, synaptic and neural plasticity endows motor system with amazing abilities for not only motor learning but also compensation and recovery from motor diseases, such as Parkinson's disease, ataxias, motion sickness and amyotrophic lateral sclerosis, etc. Therefore, the motor system is of great importance for understanding information processing, integrative function, and neural plasticity of the central nervous system. The aim of this Research Topic is to discuss the latest advances in our understanding of motor system, motor control, motor learning and motor diseases from molecular, cellular, synaptic, circuit, and behavioral levels, especially in an integrative perspective.

Endomycorrhizal Association in Sesame. Effects on Growth and Nutrition Fordham Univ Press

New Scientist magazine was launched in 1956 "for all those men and women who are interested in scientific discovery, and in its industrial, commercial and social consequences". The brand's mission is no different today - for its consumers, New Scientist reports, explores and interprets the results of human endeavour set in the context of society and culture.

Gun Women Springer Science & Business Media

This handbook describes experimental techniques to monitor and manipulate individual biomolecules, including fluorescence detection, atomic force microscopy, and optical and magnetic trapping. It includes single-molecule studies of physical properties of biomolecules such as folding, polymer physics of protein and DNA, enzymology and biochemistry, single molecules in the membrane, and single-molecule techniques in living cells.

Canadian Journal of Microbiology Beacon Press (MA)

This volume and its companion, Volume 351, are specifically designed to meet the needs of graduate students and postdoctoral students as well as researchers, by providing all the up-to-date methods necessary to study genes in yeast. Procedures are included that enable newcomers to set up a yeast laboratory and to master basic manipulations. Relevant background and reference information given for procedures can be used as a guide to developing protocols in a number of disciplines. Specific topics addressed in this book include basic techniques, making mutants, genomics, and proteomics.

The Eclipse of the Utopias of Labor Frontiers Media SA

Bacterial spore formers have been the focus of intense study for almost half a century centered primarily on Bacillus subtilis. This research has given us a detailed picture of the genetic, physiological and biochemical mechanisms that allow bacteria to survive harsh environmental conditions by forming highly robust spores. Although, many basic aspects of this process are now understood in great detail, bacterial sporulation still continues to be a highly attractive model for studying various cell processes at a molecular level. There are several reasons for such scientific interest. First, some of the complex steps in sporulation are not fully understood and/or only are only described by 'controversial' models. Second, intensive research on unicellular development of a single microorganism, B. subtilis, left us largely unaware of the multitude of diverse sporulation mechanisms in many other Gram-positive endospore and exospore formers. This diversity would likely increase if we were to include sporulation processes in the Gram-negative spore formers. In addition, spore formers have great potential in applied research. Spore forming bacteria are becoming increasingly important in the areas of probiotics, vaccine technology and biotechnology. This Research Topic in Frontiers in Microbiology details the most recent advances in basic science of spore research and cover also emerging areas of scientific importance involving the use of spores.

Manual of Cataract Surgery Frontiers Media SA

Addresses the issues surrounding the increasingly larger number of females buying guns for sport, work, and protection, and discusses society's assumptions of female weakness threatened by female gun ownership.

New Scientist Manual of Intracytoplasmic Sperm Injection in Human Assisted Reproduction

The Cookbook "Measuring Strategies for tactile Coordinate Metrology" includes some of the most common measuring tasks (as evaluated in a study by the Global Application Knowledge Group). These default "recipes" are a good place to start when there is no additional information provided for measurement. They are general suggestions. When more is known about the process and the function of the part, the recipes can be modified to better fit the application.

Probiotics, Prebiotics, Postbiotics and Intestinal Barrier Function NYU Press

Manual of Intracytoplasmic Sperm Injection in Human Assisted ReproductionCambridge University Press