Essentials of Stem Cell Biology, Second Edition

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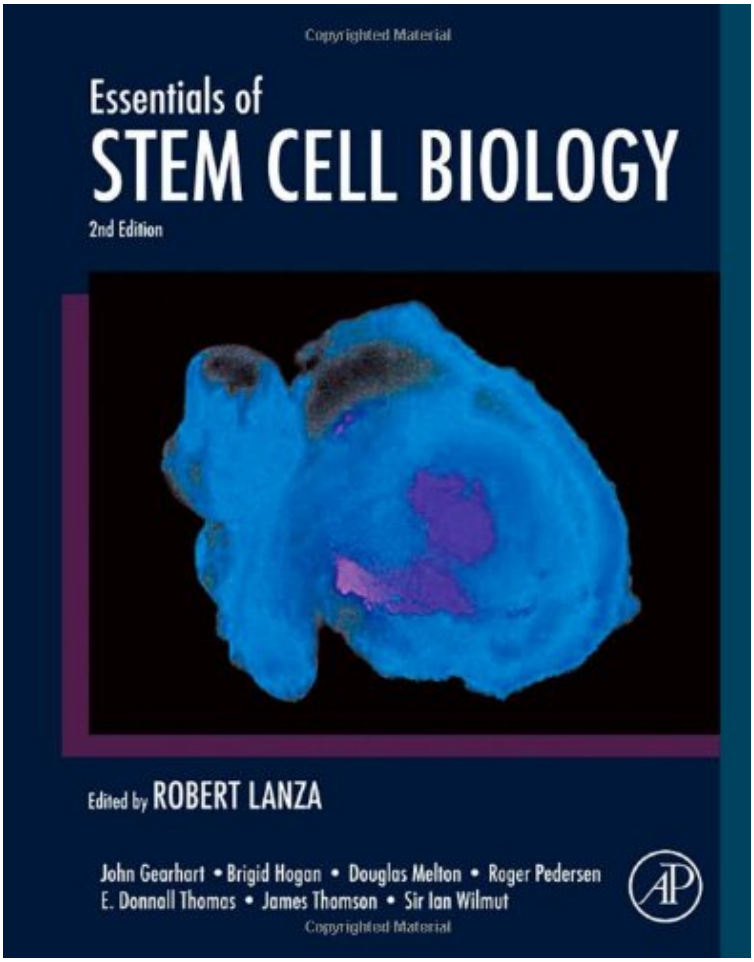

#1648982 in Books 2009-07-06Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 1.70 x 8.80 x 11.00l, 5.15 #File Name: 0123747295680 pages | File size: 30.Mb

From Academic Press : Essentials of Stem Cell Biology, Second Edition before purchasing it in order to gage whether or not it would be worth my time, and all praised Essentials of Stem Cell Biology, Second Edition:

6 of 6 people found the following review helpful. Excellent place to startBy Paul GehrmanThis book is an excellent place to start if you're interested in stem cells. It covers just about all areas of research and is authoritatively authored by serveral experts in the field. The only caveat is that the field is changing so rapidly that some of the information in the book is a bit outdated (and of course, that's true of just about science text). However, you can quickly supplement the information in this book by getting more current research papers off pubmed or elsewhere. All in all, I think this book does provide an excellent foundation for getting into the field and understanding the basic science and its potential promise.1 of 1 people found the following review helpful. Four StarsBy AYRobert does a good job with this. It's an older edition. New one is far better.1 of 1 people found the following review helpful. Dr. Neal C. Murphy, CWRU, UCLABy N. MurphyWith his prior collaborative book, "Principles of Tissue Engineering" this text,

"Essentials of Stem Cell Biology" provides the essential rationale for that curious endeavor of applied biology we call "healthcare". While others are wringing hands and endlessly belaboring cost-effectiveness, access to care, competitive efficacy and other bureaucratic minutia, Bob Lanza has kept his eyes to the stars. Motivated no doubt by the thrill of discovery which truly historical thinkers enjoy, and others have inspired in Dr. Lanza, mankind surely benefits from the fruits of his labors. The contents, of this book, covering a plethora of topics and concepts, is so well organized that one could read it from beginning to end as a novel or piecemeal as queries demand from an encyclopedia. The limits of this text are merely those of a physical bound book itself. I pray the publishers will expand an online edition that can be edited and updated monthly, for that is the speed at which the future's promises emerge. Robert Lanza is that rare individual that knows a story, knows how to tell it well, and bring to practical fruition all its manifest gifts. In this regard he is a kind of Steve Jobs of biology and applied life sciences.Yet, Dr. Lanza has not forgotten his clinical roots. While ideal in its concepts, the data in this book are equally practical since they provide intelligible rationales for the kind of innovative clinical procedures that each individual patient expects and prefers. All the Gaussian frequency distributions, categorical mandates and customs of clinical care, will not fill the void that emerges when a patient asks, "Isn't there anything you can do for me as an individual, Doctor? Each compassionate, humanistic and thinking clinician knows that the "average" patient is merely a statistical construct and in the real world one had better have a compelling argument for each individual treatment rendered. This book provides a tissue/cell level rationale for such treatment excellence, not that potpourri, that boiling stew of pseudo cures, commercial nostrums, shifting consensus and folklore that jams the flow of lucid clinical thought. Without the "North Star" of Lanza and his collaborators, the hapless clinician is sadly adrift in the intellectual seas of 21st Century life science.

First developed as an accessible abridgement of the successful Handbook of Stem Cells, Essentials of Stem Cell Biology serves the needs of the evolving population of scientists, researchers, practitioners and students that are embracing the latest advances in stem cells. Representing the combined effort of seven editors and more than 200 scholars and scientists whose pioneering work has defined our understanding of stem cells, this book combines the prerequisites for a general understanding of adult and embryonic stem cells with a presentation by the world's experts of the latest research information about specific organ systems. From basic biology/mechanisms, early development, ectoderm, mesoderm, endoderm, methods to application of stem cells to specific human diseases, regulation and ethics, and patient perspectives, no topic in the field of stem cells is left uncovered.Selected for inclusion in Doody's Core Titles 2013, an essential collection development tool for health sciences librariesContributions by Nobel Laureates and leading international investigatorsIncludes two entirely new chapters devoted exclusively to induced pluripotent stem (iPS) cells written by the scientists who made the breakthroughEdited by a world-renowned author and researcher to present a complete story of stem cells in research, in application, and as the subject of political debatePresented in full color with glossary, highlighted terms, and bibliographic entries replacing references

"Essentials of Stem Cell Biology belongs on the shelf of every researcher, clinician and student who is interested in the new developments in stem cell research and the treatments that are being developed."--NEW ENGLAND JOURNAL OF MEDICINE (June 29, 2006) "5 Stars - This is the best book I've reviewed on stem cell biology...This is the one book to have for anyone interested in the promise of stem cell research. It will provide an excellent resource for years to come." --Bruce A. Fenderson, Thomas Jefferson University in DOODY'S (June 2006)From the Back CoverFirst developed as an accessible abridgement of the successful Handbook of Stem Cells, this book serves the needs of the evolving population of scientists, researchers, practitioners and students that are embracing the latest advances in adult and embryonic stem cell research. Since the last edition was published, stem cell research has evolved into an important research tool, and stem cells have come to represent potential salvation for many people suffering from incurable diseases. Dr. Lanza is a prominent figure not only in the world of life sciences but is recognized publicly through the broad media coverage of his research.About the AuthorRobert Lanza, M.D. is currently Chief Scientific Officer at Advanced Cell Technology, and Adjunct Professor of Surgical Sciences at Wake Forest University School of Medicine. He has several hundred scientific publications and patents, and over 30 books, including Principles of Tissue Engineering (1st through 4th Editions), Methods of Tissue Engineering, Principles of Cloning (1st and 2nd Editions), Essentials of Stem Cell Biology (1st and 2nd Editions), XENO, Yearbook of Cell Tissue Transplantation, One World: The Health Survival of the Human Species in the 21st Century (as editor, with forewords by C. Everett Koop and former President Jimmy Carter), and Medical Science the Advancement of World Health. Dr. Lanza received his B.A. and M.D. degrees from the University of Pennsylvania, where he was both a University Scholar and Benjamin Franklin Scholar. He is a former Fulbright Scholar, and studied as a student in the laboratory of Richard Hynes (MIT), Jonas Salk (The Salk Institute), and Nobel laureates Gerald Edelman (Rockefeller University) and Rodney Porter (Oxford University). He also worked closely (and coauthored a series of papers) with the late Harvard psychologist B.F. Skinner and heart transplant pioneer Christiaan Barnard. Dr. Lanza's current area of research focuses on the use of stem cells in regenerative medicine.