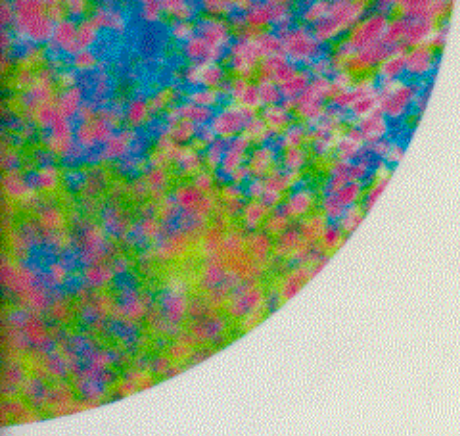

ENCYCLOPEDIA OF

stem cell research

What is a stem cell? We have a basic working definition, but the way we observe a stem cell function in a dish may not represent how it functions in a living organism. We know that stem cells are the engine room of multicelluar organisms—both plants and animals. However, controversies, breakthroughs, and frustration continue to swirl in eternal storms throughout this rapidly moving area of research. What does the average person make of all this, and how can an interested scholar probe this vast sea of information?

The **Encyclopedia of Stem Cell Research** provides a clear understanding of the basic concepts in stem cell biology and addresses the politics, ethics, and challenges currently facing the field. While stem cells are exciting alone, they are also clearly fueling the traditional areas of developmental biology and the field of regenerative medicine. These two volumes present more than 320 articles that explore major topics related to the emerging science of stem cell research and therapy.

Key Features

- Describes the different types of stem cells that have been reported so far and, where possible, tries to explain for each age, tissue, and species what is known about the biology of the cells and their history
- Captures a strong sense of stem cell biology as it stands today and taps into the mysteries of the field
- Considers various religious, legal, and political perspectives
- Includes selected reprints of major journal articles that pertain to the milestones achieved in stem cell research
- Elucidates stem cell terminology for the nonscientist

Key Themes

- Biology
- Clinical Trials
- Countries
- Diseases
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- History and Technology
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