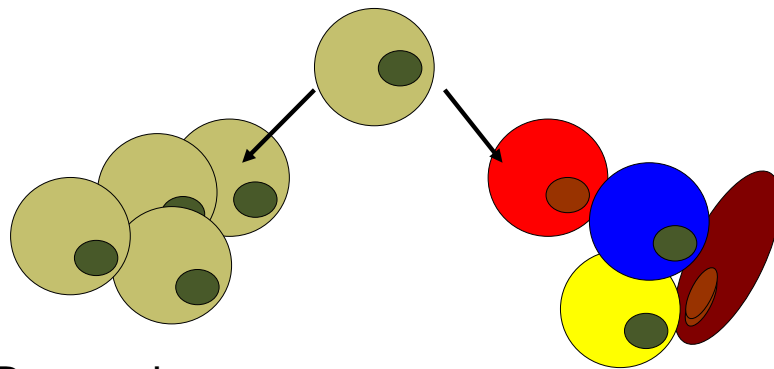




Introduction to Stem Cell Science

What is a Stem Cell?

A **stem cell** is defined as any cell capable of self-renewal and differentiation



Self-Renewal
Making more of itself

Differentiation
Making new cell types

What's the big deal?

The “stem cell” concept provides a new paradigm for understanding disease and developing cures. Instead of simply treating the symptoms of disease, scientists are interested in using stem cells to help replace damaged tissues and organs.

Resources: The National Institute of Health's Stem Cell Basics: <http://stemcells.nih.gov>
The Harvard Stem Cell Institute Glossary of Terms: <http://www.hsci.harvard.edu/glossary>



Harvard College Stem Cell Society

<http://hcs.harvard.edu/stemcell>

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