

HOW DO STEM CELLS HELP MEDICINE?

Scientists use stem cells to study the backgrounds of certain diseases and develop new treatments. In the future, we may be able to improve the treatment of a number of severe diseases or even cure them.

1

Understanding how organisms develop

2

Enhancing research on disease and abnormal development

3

Reducing animal experiments

4

Replacing damaged cells caused by disease instead of transplanting organs

#stemcells
forlife

Get out your smartphone
to learn more!
stemcells4life.info

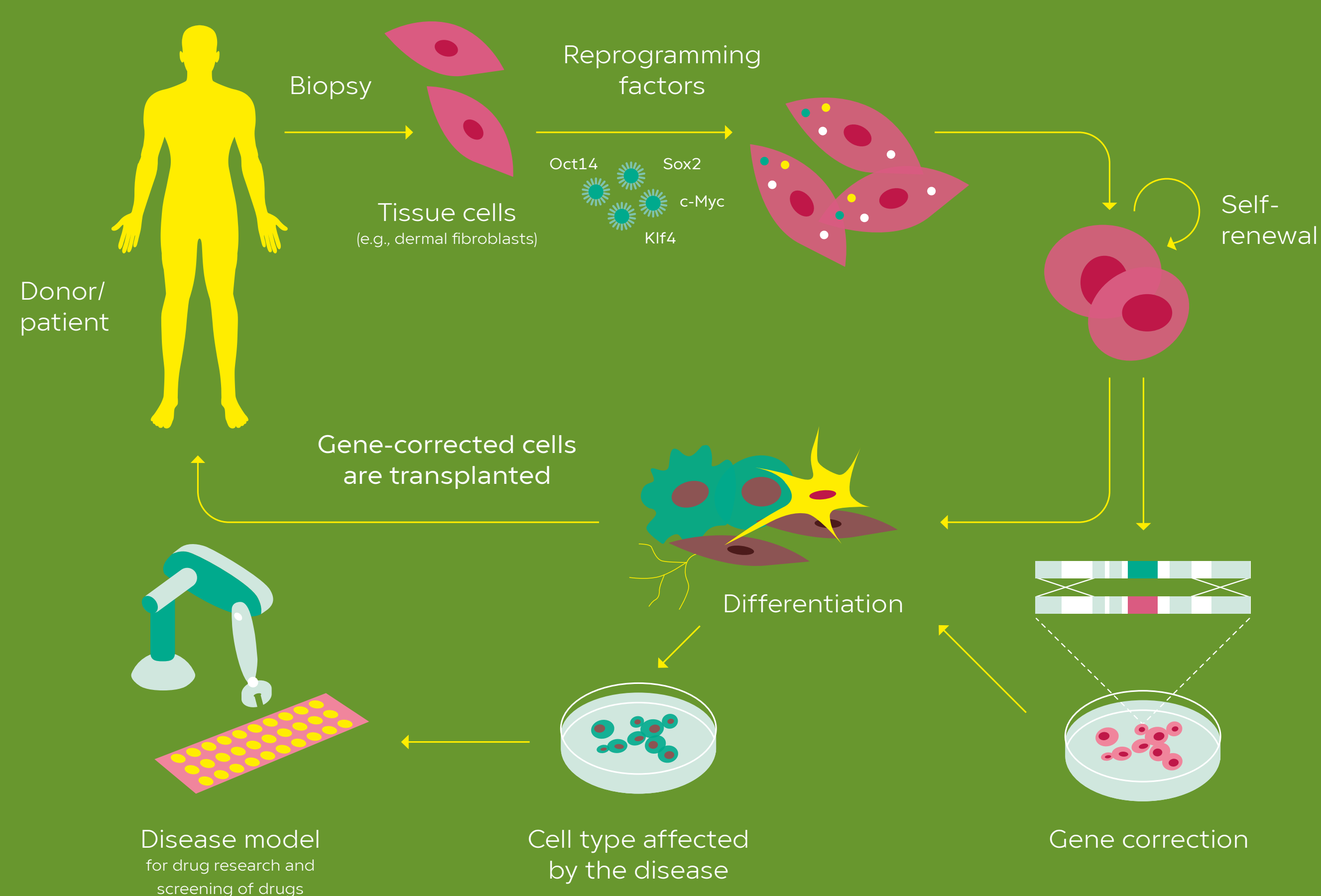


WHAT STEM CELLS CAN DO FOR MEDICINE

Stem cells for life

We all have stem cells in our bodies. Without these cells, our body would be unable to regenerate. Stem cells have unique properties that make them interesting for research and medicine. They can help us understand and treat diseases.

What can develop from different types of stem cells



WHAT ARE STEM CELLS?

What role do stem cells play?

In order for the body to function, it must continuously produce new cells, for instance, when muscles are damaged after physical exertion. Some specialized cells, such as muscle cells or blood cells, are unable to regenerate themselves. To do this, the body uses stem cells, which are responsible for regeneration and repair.

What makes stem cells unique?

Stem cells are experts at cloning. In contrast to specialized cells, stem cells can keep dividing and producing copies of themselves. They can also generate specialized cell types during division. One egg cell – which is also a stem cell – can even give rise to an entire human being.



GermanStemCellNetwork