

Stem cells have enormous potential in health and medical research. For example, researching the differentiation processes and understanding to control stem cell differentiation in the laboratory is providing insights into how humans develop from embryo to adult. Directing the growth of cells or tissues can be used for specific purposes such as modelling diseases, drug screening or cell-based therapies.

Despite the fact that stem cell research has been advancing fast, there are many challenges ahead to allow the use of stem cells for drug discovery or regenerative medicine.