

Scuola Superiore di Catania

CORSO SPECIALISTICO

Ambito Scienze della vita

a.a. 2016-2017

Frontiers in Stem Cells, Cell therapy & Regenerative Medicine

Programma

- Stem cells: definition, competences and sources
- Adult vs Embryonic stem cells.
- Reprogramming Somatic cells to iPS Cells
- Cancer stem cells
- Circulating stem cells
- Microenvironment influence on stem cells
- Translational Stem Cell Research: state of the art and future perspectives
- Using stem cells for Cell Therapy: stories from degenerative disorders
- Stem cells in Regenerative medicine
- Development of Advanced Therapy Medicinal Products
- Ethical aspects in stem cells