

REGENERATIVE MEDICINE AND DISEASE MODELING

Age: 15-18

Grade: 9-12

Duration: Two weeks | 10am-3pm

2024 Dates: Jul 15th-26th | Aug 5th-16th

Location: Torrance, California

\$2,300



Explore the Science of Regenerative Medicine. Learn How Scientists Create Beating Heart Cells for Disease Modeling Research

The “Regenerative Medicine and Disease Modeling” program explores the real-world application of human stem cells in medicine and heart disease research and whether stem cells could one day be used to create human organs. Participants also gain independent research experience planning and implementing their own disease modeling experiment.

During this two week course you will:

- Learn essential concepts in regenerative medicine and disease modeling
- Reprogram, culture, and characterize human induced pluripotent Stem Cells (hiPSCs)
- Convert hiPSCs into beating heart cells
- Plan, implement and analyze your own independent stem cell research experiment
- Work in a biotech research laboratory alongside professional scientists

Course Provides:

- Hands-on classes
- Advanced lab skills
- Independent research experience
- Real world experience
- Biotech exposure
- Experienced science mentors
- Career education
- College preparation
- Certificate of completion
- Alumni support

The Regenerative Medicine and Disease Modeling Program is the first and only program to provide high school students with practical training in human regenerative medicine and stem cell research.