

INTRO TO CELL BIOLOGY

Age: 11-15

2023 Dates: July 10th - 14th | July 11st - August 4th

Duration: Five Days

Location: Torrance, California

\$895



Learn essential cell biology concepts working hands-on with mammalian cells and tissues

Intro to cell biology provides a comprehensive introduction to core biology concepts through biotechnology lab classes that cannot be offered in traditional schools.

Your child will be amazed when they visualize cellular structures using fluorescent bioassays, dissect a mouse, detect cell communication during neural development and perform a bioart experiment that measures cell attachment!

Program Overview

Day 1: Molecular composition of cells | Essential lab skills, pipetting and bioassays

Day 2: Cellular structure: membrane, cytoskeleton, nucleus, cytoplasm, ER/Golgi, vesicles

Day 3: Cellular structures: organs and tissues | Origin of cells from stem cells

Day 4: Cell behaviour: apoptosis, division, attachment, communication, differentiation

Day 5: Cellular diseases: cancer & degenerative diseases | Biotech & therapeutic development

Course Provides:

- Hands-on labs
- Real-world experience
- Biotech exposure
- Core bioscience education
- Inquiry driven experiments
- Exciting science discussions
- Professional science mentors
- Relatable role models
- Certificate of completion
- Fun and friendships