

INTRO TO CELL BIOLOGY

Age: 11-15

2024 Dates: July 8th - 12th | July 29th - August 2nd

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 real-world introduction to cell biology concepts, through biotechnology lab classes that cannot be offered in schools. Your child will be amazed when they visualize cellular structures using fluorescent bioassays, dissect a mouse, detect cell communication during neural development and measure cell attachment during a fun BioArt experiment!

Program Overview

- Day 1: Molecular composition of cells | Essential lab skills (pipetting, Microscopy & bioassays)**
- Day 2: Cellular structure (membrane, cytoskeleton, nucleus, mitochondria, ER/Golgi, vesicles)**
- Day 3: Cellular organization in multicellular structures | Origin of cells from stem cells**
- Day 4: Shared Properties (apoptosis, division, attachment, communication, differentiation)**
- Day 5: Cellular diseases | Applied Cell Biology (research, development & Biotechnology)**

Course Provides:

- Hands-on classes
- Advanced lab skills
- Science literacy
- Real-world experience
- Inquiry driven experiments
- Biotech exposure
- Fascinating science discussions
- Professional science mentors
- Certificate of completion
- Fun and friendships