

Summer Science Institute

2026

For Rising 10th-12th Graders

Take part in hands on laboratory experience that covers molecular biology, immunology, clinical diagnostics, microbiology, biotechnology and much more! Each program will be held, in person, in the CORD lab space on the UAB Campus



*Applications available on our website:
www.uab.edu/cord

SSI-I
Fundamentals
of Cellular and
Molecular Biology

Two Sessions Offered:
June 1 - 5, 2026
June 8 - 12, 2026

SSI-II
Advanced Principals of
Immunology,
Microbiology and
Biotechnology

Two Sessions Offered:
July 13 - 17, 2026
July 20 - 24, 2026



See the back for additional details and descriptions!

UAB The University of
Alabama at Birmingham®

SSI-I: Fundamentals of Cellular and Molecular Biology

SSI will be a week-long course that will provide instruction covering the fundamentals of cellular and molecular biology and biotechnology using hands on laboratory techniques. SSI I will be open to students who have finished 9th, 10th and 11th grade. Research projects and experimentation include:

- ◆ Chemical methods to differentiate bacteria
- ◆ Identifying the genetic basis of brain disorders
- ◆ Extraction of genomic DNA
- ◆ Seminars and interactive discussions with UAB, federally funded research faculty
- ◆ Simulate drug discovery for flu prevention, COVID-19 and much more!

Two Sessions Offered:

June 1 - 5, 2026

June 8 - 12, 2026

Session Times: 8:00am to 3pm daily

Tuition Costs: \$325

SSI-II: Advanced Principles of Immunology, Microbiology and Biotechnology

SSI-II will be a week-long course that will dive into advanced principles and techniques of microbiology, immunology and biotechnology in a hands on laboratory experience. Research projects and experimentation include:

- ◆ Genetic bacterial transformation of plasmids
- ◆ Determine blood types with simulated samples
- ◆ Testing for viral antigens and disease diagnosis
- ◆ Seminars and interactive discussions with expert researchers
- ◆ A look into vision science and much more!

This course is open to students who have completed grades 10th and 11th and preferably have completed SSI-I (note: both SSI I and II can be taken in the same summer).

Two Sessions Offered:

July 13 - 17, 2026

July 20 - 24, 2026

Session Times: 8:00am to 3pm daily

Tuition Costs: \$375

**Applications can be found on our website at:
www.uab.edu/cord**



Contact Us:

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