

# FSI SUMMER PROGRAM SEEKS RESEARCH MENTORS

June 18 -July 23

**Who:** Faculty, graduate, and undergraduate students to serve as FSI scholar research mentors.

**What:** UNC's Frontiers of Science Institute (FSI) is a privately funded, six-week, summer residential program designed to enhance STEM aspiration and achievement levels of Colorado's high-achieving high school juniors and seniors. By immersing selected student scholars in a learning-for-the-thrill-of-learning, hands-on STEM experience, FSI helps students identify and explore their interests so they can define and begin to realize their personal, educational, and professional goals.

Established in 1959, FSI to date has served over 1800 scientifically-minded young people by immersing them in a world of scientific challenges to excite and stimulate them toward a life-long commitment to STEM and related learning.

*FSI needs research mentors from multiple STEM disciplines since we have students with diverse interests.*

**Why:** Mentored research is critical to students' overall FSI experience. Mentors introduce students to cutting-edge topics in a focused research environment helping them to build research skills and to understand scientific processes of experimental design, data acquisition, data analysis and interpretation.

**Where:** University of Northern Colorado

**When:** June 17-July 28, 2018 (Research occurs June 18-July 23; formal presentations July 24 & 25; Open House Poster Session July 27)

## **Mentor Benefits:**

- Access a per student stipend (FSI students are encouraged to work in pairs. Stipends may defray any research-related expense, including salary for a lab assistant).
- Be involved with a 60-year-old time-honored STEM enrichment program, of which *mentored research* plays a critical role.
- Be an influence on students' later choices of a STEM major and subsequent career by introducing them to exciting STEM topics and areas of research.
- Acquaint young scholars with your STEM specialty and motivate them to study at UNC.
- Enhance your resumé with your work of mentoring/teaching aspiring young scientists.

## **Responsibilities:**

- Provide authentic research experiences for one or two students. FSI students are selected from a pool of high school students excelling in their current academic setting. FSI scholars may be awarded four UNC university science credits for their successful participation.
- Coach students in clearly reporting their research results (using PowerPoint, poster, written report, etc.)

## **Time Commitment:**

- FSI scholars have ~19 afternoons, 1:30-5:00 pm, dedicated for their guided research activities between June 18-July 23 (those research activities may occur in the field, lab, library, etc). Mentors are *not* expected to spend the entire allocated time with their student(s); however, students are expected to work on their research projects during those hours.
- Additional evening and/or weekend hours for further research activities are at the discretion of the mentor.

Send an email stating your interest, attach your resume and a paragraph description of your research to [lori.ball@unco.edu](mailto:lori.ball@unco.edu) or stop by Ross 1210 to discuss the opportunity and your interest.