

Summer Research Institute (SRI) in FYRE

A Kansas Louis Stokes Alliance for Minority Participation sponsored by the National Science Foundation (NSF).

Research

STEM Focused

- Immersive research experience
- Build scientific communication skills
- Collaboration and Teamwork
- Leadership skills
- Explore STEM labs across campus

Team Building

On Campus Experience(s)

- Mentorship
 - Faculty Student
 - Student Student
- Shocker Hall
 - Living & Dining
- University programs

Next Steps

- FYRE
- URCA
- McNair Scholars
- K-INBRE
- JumpStart
- Other

Welcome to Shocker Nation

- Incoming Freshman & Transfer Students
- Up to 10 students

Bridge Program

• Earn 1-credit hour

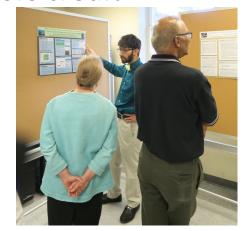




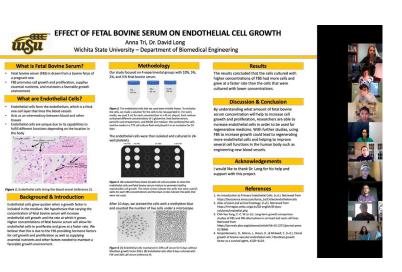


First Year Research Experience in STEM

- Connect first-year students with authentic hands-on research experiences in a variety of STEM-related disciplines
- Participate in faculty-mentored research which contributes new knowledge to your discipline
- Receive training and support in finding a research mentor
- Be part of interdisciplinary network of peer, academic and professional mentors
- Discover funding, career, and advanced opportunities in research
- Honors credit







FYRE in STEM Outcomes

Diversification

STEM Fields:

- 1 Biological Sciences
- 2 Human Performance Studies
- 2 Chemistry
- 1 Computer Engineering
- 1 Mechanical Engineering
- 3 Biomedical Engineering
- 4 Aerospace Engineering

FYRE Students

- 50% first generation
- 50% underrepresented minority
- 50% women

Pipeline



- 8 of 14 2020 FYRE in STEM were part of SRI in FYRE
- 2 of 1st and 2nd FYRE cohorts received summer research scholarships from K-INBRE
- 2 students were awarded NASA JumpStart funding

Assessment

Undergraduate Research Student Self-Assessment (URSSA)

- skills such as lab work and communication
- conceptual knowledge and linkages in their field
- deeper understanding of the intellectual and practical work of science
- growth in confidence and adoption of the identity of scientist
- preparation for a career or graduate school in science
- greater clarity in understanding what career or educational path students might wish to pursue.