**2024 Faculty Research Proposal for UAMS College of Pharmacy Summer Student Research Fellowship**

***FACULTY INFORMATION:***

**NAME: Lindsey Dayer and Jacob Painter**

**DEPARTMENT:** Pharmacy Practice

Pharmaceutical Sciences

**LOCATION: LR Campus**

***PROJECT INFORMATION:***

**TITLE:** The effect of concurrent use of opioids and skeletal muscle relaxants on fall risk in older adults

**LOCATION OF THE PROJECT:** Main Campus

**BRIEF DESCRIPTION OF THE PROJECT OR SPECIFIC AIMS:**

Falls pose a significant threat to older adults, resulting in injuries and mortality. Concurrently prescribed opioids and skeletal muscle relaxants (SMRs) for pain management may increase fall risks in older patients. This study aims to estimate fall risks associated with the concurrent use of SMRs and opioids, comparing them to opioid monotherapy in older adults.

**STUDENT’S RESPONSIBILITIES/DUTIES FOR THE PROPOSED PROJECT:**

1. Lit review
2. Write introduction
3. Review appropriate methods
4. Data analysis
5. Begin work on discussion
6. Abstract and poster design
7. Student research day and other student presentation day at the end of the summer

**ESTIMATED TIME FOR PROJECT COMPLETION: \_at least 10 weeks\_\_\_\_\_ weeks** (≥10 weeks required)

**DOES THE WORK INVOLVE ANIMAL RESEARCH? YES**

**NO**

**ORAL/POSTER PRESENTATION OPPORTUNITY:**

Yes

**MANUSCRIPT SUBMISSION:**

Yes