

2023 Faculty Research Proposal for UAMS College of Pharmacy Summer Student Research Fellowship

FACULTY INFORMATION:

NAME: Ashok Philip and Lindsey Dayer

DEPARTMENT: X Pharmacy Practice
 X Pharmaceutical Sciences

LOCATION: UAMS College of Pharmacy

PROJECT INFORMATION:

TITLE: Integration of Pharmacists' Patient Care Process (PPCP) into a Pain Management Clinic.

LOCATION OF THE PROJECT: UAMS COP

BRIEF DESCRIPTION OF THE PROJECT OR SPECIFIC AIMS:

To develop a simulated *Pain Management clinic* covering, but not limited to: patient pain scenarios, opioid dosing, patient assessment, etc providing students with multiple learning and skill acquisition opportunities to supplement classroom instruction. Additionally, the layout of each *pain* activity (pre-simulation assessment, simulation, live debriefing by faculty experts, and post-simulation assessment) aims to reinforce content, patient education, and clinical skills.

This simulated clinical setting aims to:

- Promote critical thinking skills, collaborative learning, strengthen team dynamics, increase motivation to learn, and practice interpersonal communication skills.
- Train students in the Pharmacists' Patient Care Process (PPCP) without the risk of harm to a patient
- Encourage students to learn from mistakes without becoming discouraged, and emphasize the value of providing pain management in many settings.

This *interdisciplinary* collaboration involves faculty from both the department of pharmaceutical sciences and pharmacy practice. Therefore, our approach, which intertwines the knowledge of the chemical and pharmacological basis of pain medications with clinical skills, has the potential to create a more efficient learning process.

STUDENT’S RESPONSIBILITIES/DUTIES FOR THE PROPOSED PROJECT:

The students, under the guidance of Dr. Philip and Dr. Dayer will be the point person responsible for developing the project. Their responsibilities include development of pain case studies and tasks for implementation, as well as the survey instrument to measure effectiveness of the simulation. Additionally, he/she is responsible for designing the layout of the simulation rooms, conducting the activities, and compiling data as listed below in the Table.

Develop and finalize Case Studies for <i>Pain Clinic</i>
Develop and finalize pre-and post-simulation assessments, and student perception of effectiveness of <i>Pain Clinic</i> survey
Develop and submit protocol for IRB approval
Present poster development work at AAHP’s Fall Seminar (Oct 2023) and at UAMS Research Day, March 2024
Draft manuscript for publication in <i>AJPE</i>
Present results at 2024 AACP National Meeting, July, 2024

ESTIMATED TIME FOR PROJECT COMPLETION: ≥10 weeks (≥10 weeks required)

**DOES THE WORK INVOLVE ANIMAL RESEARCH? YES
 NO**

ORAL/POSTER PRESENTATION OPPORTUNITY: Yes

MANUSCRIPT SUBMISSION: Yes