

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

FACULTY INFORMATION:

NAME: Marty Perry, PhD

DEPARTMENT: Pharmacy Practice
 Pharmaceutical Sciences

LOCATION: Rahn 6231

PROJECT INFORMATION:

TITLE: Authoring POGIL activities for P1/P2 courses

LOCATION OF THE PROJECT: UAMS Little Rock, Rahn building

BRIEF DESCRIPTION OF THE PROJECT:

Process Oriented Guided Inquiry Learning (POGIL) activities have been published in a variety of disciplines particularly at the undergraduate and secondary levels (<https://pogil.org/curricular-materials>). Data illustrating the effectiveness of this active learning approach on performance, retention, and skill development is robust (<https://pogil.org/educators/additional-resources/references>). While some pharmacy school programs have utilized this approach in select courses, no published POGIL activities exist specifically for professional curricula such as the PharmD. With the UAMS Vision 2029 strategic initiative targeting less than 25% of all instruction delivered in the traditional lecture format by 2029, the College of Pharmacy PharmD curriculum requires additional active learning activities to move toward meeting this goal.

In this project, the student will learn about POGIL pedagogy and philosophy, write POGIL activities that utilize a learning cycle, solicit professional review and feedback, present results, and develop a manuscript for publication. This project is especially beneficial for students considering a career in academia.

STUDENT'S RESPONSIBILITIES-DUTIES IN THE PROPOSED PROJECT

1. Learn the fundamentals of POGIL pedagogy and philosophy.
2. Explain the structure of POGIL activities based on the learning cycle.
3. Identify courses in the PharmD curriculum, particularly the P1/P2 years, where POGIL activities could be used.
4. Write POGIL activities for a P1 or P2 course.
5. Submit activities to the POGIL Activity Clearinghouse (<http://pac.chem.pitt.edu/index.php/pac>) for review and feedback.
6. Assist in data presentation and manuscript writing for journal submission.

ESTIMATED TIME FOR PROJECT COMPLETION: __10__ weeks

DOES THE WORK INVOLVE ANIMAL RESEARCH? YES
 NO

ORAL/POSTER PRESENTATION OPPORTUNITY:

The student will be given the opportunity to submit an abstract for oral or poster presentation at local (UAMS Research Day), state (AAHP, APA), and/or national (AACP) professional meetings. The student will gain experience in developing the poster/oral presentation with guidance from the faculty mentor.

MANUSCRIPT SUBMISSION:

Possible journal names for this work to be submitted: POGIL Activity Clearinghouse, American Journal of Pharmaceutical Education (AJPE), Currents in Pharmacy Teaching and Learning (CPTL)