**Project Title:**

**Specific Aims (100-word limit).** State the specific objectives of the proposed research (proof-of-concept or conclude work for manuscript publication), providing concise and unambiguous details.

**Mission Relevance (100-word limit).** Explain how your research addresses [EMSL’s mission](https://www.emsl.pnnl.gov/user-program#research-alignment-with-BER) and advances the science pertinent to DOE’s Biological and Environmental Research program, and describe the value/impact of its economic or societal importance.

**Approach or Work Plan (300-word limit).** Describe the work to be conducted at EMSL, including the experimental design, a sample description, replication, and the types of analyses to be performed at EMSL. If your research includes computation, provide an estimate of the computational resources needed and the team’s expertise for running the necessary software.