

PhD opportunity - Soil microbial biodiversity and health

This PhD student will lead independent research on soil health and biodiversity shifts resulting from different rangeland and crop nutrient management systems. The researcher will be responsible for field sample collection alongside NRCS staff and KSU technicians, laboratory data collection and analysis, and data interpretation and dissemination. The project involves field work at grazed, annually burned, and unmanaged (not grazed or burned) tallgrass prairie soils, and cropped soils under different cover crop and fertilizer schedules, in northeast KS, USA; laboratory work and data analysis on soil biogeochemical and microbiological measurements including microbial marker gene and metagenomic functional gene sequencing; and communication of results in the scientific literature and translation to broader management audiences in other venues. The opportunity is fully funded by the USDA NRCS with support from the KSU Division of Biology. Anticipated start timing for this position is Summer 2023, with graduate course responsibilities beginning in Fall 2023.

Contact Dr. Zeglin at lzeglin@ksu.edu for more information: Please include in this email a copy of your current CV, a brief statement of your professional background, and a brief statement of your career goals and how they align with the project. Full applications for the Biology Graduate Program at KSU are due December 15, 2022 ([LINK](#)).

