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I am currently a first-year PhD student at the University of California, Davis (United States), in the graduate group of Soils & Biogeochemistry. I specialize in soil microbial ecology, utilizing molecular and bioinformatic methods to study microbial communities. I am interested in how land use conversion, particularly from primary forest to pasture, impacts N fixation activity of soil bacteria. To study this, I will pair ^{15}N stable isotope probing and metagenomic analysis, in order to label and study the metabolic profile of active N fixing community members in these systems. Before beginning my program in Davis, I completed a Master's degree in Soil Science at Oregon State University, where I studied the effects of conventional timber harvest on microbial community activity and composition. I also previously completed a Bachelor's of Science at the University of California, Irvine in Earth System Science, where I had several research experiences in plant genetics, ocean biogeochemical cycling, and plant community ecology. I look forward to joining the Nitrogen School because I want to broaden my knowledge of global N cycling dynamics and research methods, including isotope tracer studies. In the future, I am interested in studying N cycling in both natural and agricultural systems.