



Example of Post Doctoral Research Associate Job Description

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Our company is growing rapidly and is hiring for a post doctoral research associate. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for post doctoral research associate

- Responsible for presenting and reporting research results and publishing scientific results in key peer-reviewed journals in a timely manner
- You will have the opportunity to interact closely with a multi-institutional team of biogeochemists, modelers, and microbial ecologists to investigate the response of grassland microbial communities and soil organic matter dynamics to experimental N and P enrichment and site-to-site variation in temperature, precipitation, and other edaphic properties
- Your work will involve using the US Department of Energy's Earth System Model E3SM and the Microbial Enzyme Decomposition model MEND
- Multi-institutional collaborators will provide data from nine different sites around the US with similar long-term profiles of observations and targeted nutrient additions
- You will be able to work closely with a team of experimentalists at other institutions to utilize experimental observations to develop models to represent the processes and to improve predictive capabilities
- You will participate in scientific conferences and have the opportunity to publish results in a timely fashion
- Contribute to basic lab management and upkeep (will be assigned specific lab responsibilities as appropriate, such as ordering reagents, disposing of biohazardous waste)
- Develop survey instruments and conduct industry and consumer surveys

- Maintaining an active research program in close collaboration with laboratory Principal Investigators

Qualifications for post doctoral research associate

- A basic understanding of analysis of algorithms
- An interest in distributed algorithms and anomaly detection
- The ability to write clearly and scientifically
- Ability to work/communicate with a multidisciplinary team
- Fluency in a scientific programming language/environment
- Willingness to help with the preparation of additional grant proposals would be a plus