

**Title: Sr Soil Scientist**

**Location: Ames, IA or remote**

## Job Purpose

- Deliver the power of soil science to customers through computationally encoding soil science into analytics algorithms, using soil diagnostics to measurements and models of the soil environment.
- Provide technical leadership in sustainability (ESG, Carbon) and nutrient cycling
- Help advance soil science at Trace through establishment and optimization of lab and field assays, processes, and analyses.
- Manage soil science communication and thought leadership with the Trace team, customers and the scientific community

## Duties and Responsibilities

- Develop and advance TG soil chemistry, biology and carbon interpretation in connection with sustainability and nutrient cycling value propositions for customers
- Design and manage soil science experiments to deliver validation data for measurement + model approaches
- Establish and manage academic collaborations and field trials to demonstrate validation
- Design approaches for integration of soil biology and soil chemistry for agronomic interpretation
- Consolidate and communicate soil science for customers
- Establish thought leadership through contributing to internal scientific discussions as well as participation at external conferences.
- Strong collaboration with Product, Commercial, Operations and Data/Science teams

## Qualifications

- Education: PhD in Soil Science or related fields such as microbial ecology in agricultural systems
- 2+ years of experience as Post Doc or in industry preferred
- Specialized knowledge and experience in soil science and biogeochemistry
- Excellent collaboration skills
- Excellent written and verbal communications skills
- Strong presentation skills
- Attention to detail and scientific rigor

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