

# Allegheny Mountain



## Colloquium



Juniata College



**Speaker:** Dr. Kim Roth (Juniata College)

**Date:** 15 March 2021, 4:00PM–5:00PM

**Zoom link:** <https://bit.ly/3ugwPfj>

**Title:** Seeing the forest for the trees: Random Forests and Predicting Fracking

**Abstract:** When you have thousands of variables that you can select from to describe and predict whether active fracking is occurring, how do you choose? Random forests are a learning method that uses an ensemble of decision trees to build a predictive model. We'll discuss how to make a random forest and how we used one to tell what measures from the microbiome and the sample site best predicted active fracking status.

