

BIOL 481: The influence of wildfire smoke on avian soundscapes

Wildfire smoke is becoming more prevalent during the summer and fall in Saskatchewan, but how this impacts songbirds and their ability to communicate is not well-investigated. The Ivy lab is looking for a motivated student who will analyze audio recordings of songbird calls before, during, and after wildfire smoke events, to assess whether there are changes in acoustic indices and the composition of songbird species calling. This project will allow you to gain skills in sound data management, AI classifiers, R coding, data visualization and interpretation, and written and oral communication. You do not need previous experience in any of the above skills to succeed in this project!

This project can only be conducted as a BIOL 481 project due to the amount of data analysis involved.

If you are interested, please contact Dr. Ivy at catherine.ivy@usask.ca and include a brief description of why you are interested in the project. You can find more information about the Ivy Lab [here](#)!