

The Ivy Lab is searching for undergraduate students to conduct research! Reach out to catherine.ivy@usask.ca if you are interested! More information about our lab can be found [here](#)!

Fall 2025 BIOL 481 Projects:

- **Lung morphology and hibernation:** During hibernation, metabolism can drop up to 95% of euthermic values. In ground squirrels, breathing rate is markedly reduced, but oxygen is still required for survival. Lung surfactants are known to be altered during hibernation to support the lung in ground squirrels, but whether this is associated with changes in lung morphology has not been investigated! Using previously collected lung samples prepared for histology you will gain skills in slicing paraffin embedded samples, staining with H&E, image collection, and image analysis!