

Winter 2023 BIOL 380, 479, 480 OR 481 – Snail Evolution and Development

My research is interested in how organisms develop, and what that process can tell us about evolution. Specifically I am interested in the evolution and development of snail shells. I have a small colony of snails and I am looking for undergraduate students interested in 1. Trying out different techniques for raising embryos to improve their survival in the lab. 2. Learning more about shell development using molecular and developmental biology techniques including microinjection (injecting into eggs), in situ hybridization (looking for specific mRNAs in the snail), and immunohistochemistry (looking for specific proteins in the snail).

I have specific projects in mind for either an independent research project in Winter 2023 (380, 479 or 480/481) or a summer internship (NSERC USRA). I am also open to accommodating your ideas and curiosity.

Feel free to contact me (Nicole.webster@usask.ca) if you have questions or want to meet.

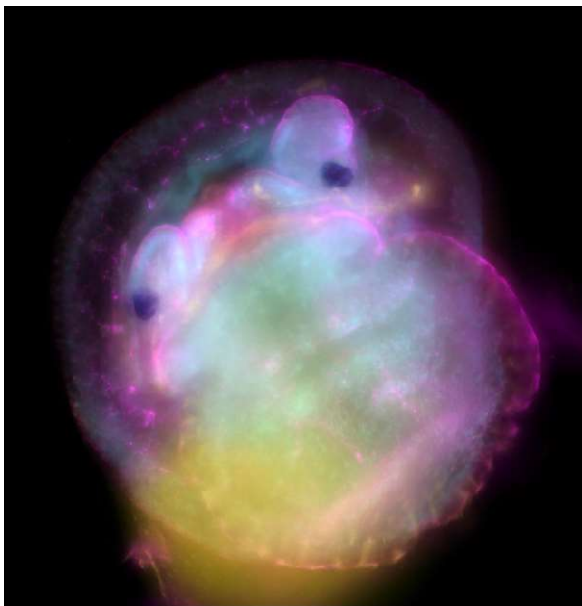


Figure 1. Hatchling snail



Figure 2. Adult snails in a petri dish

Dr. Nicole Webster