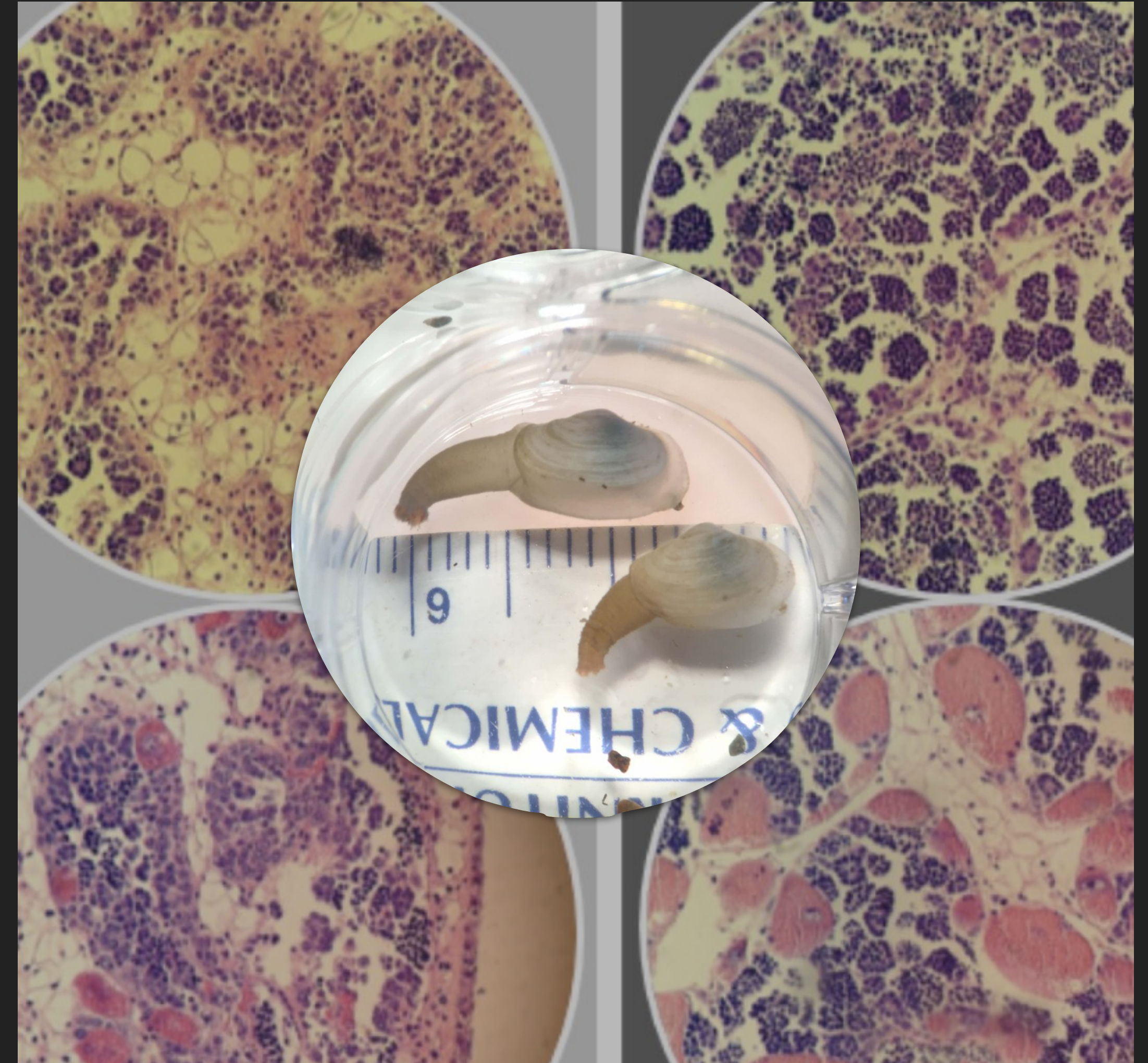


INFLUENCE OF PARENTAL CONDITIONS

- ▶ Selection
- ▶ Germ cells are present, thus there could be a direct impact on offspring
- ▶ Maternal provisioning
- ▶ Paternal role?
- ▶ Beneficial versus detrimental
- ▶ *Mechanisms at play*



4 Week pH Exposure

Elevated $p\text{CO}_2$
(2800 μatm)

Control $p\text{CO}_2$
(400 μatm)



DNA Extraction and Bisulfite Sequencing



Identify Differentially Methylated Loci (DMLs)