Brain development is the result of complex genetic and environmental interactions. My research team investigates the impact of environmental exposure to chemicals during brain development using zebrafish. Our current projects focus on (1) environmental factors associated with autism spectrum disorders and (2) freshwater contaminants in Wisconsin. I will discuss the usefulness of zebrafish in these investigations, the phenotypes we measure (growth/morphology, behavior, gene expression), and data generated by UWEC students on the impact of specific chemicals on brain formation.