**Mentor:** Jeff Rood

**Student:** Sitara Ramjit

**Project Description:** Metal-organic frameworks (MOFs) are porous materials composed of metal ions and organic linkers that have a wide range of applications including separation, small molecule storage, catalysis, and sensing.  Luminescent metal-organic frameworks (LMOFs) as sensors are being developed by incorporating luminescent transition metal complexes (TMCs) into MOFs.  In these projects, the photophysical properties of the osmium, rhenium, and ruthenium TMCs are determined and compared to the photophysical properties of the LMOFs that could serve as potential sensors in environmental and clinical applications.

**Mentor:** Kristi Kneas

**Student:** Kayla Hess

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