

Inorganic Chemistry Laboratory – Fall 2017 Presentation

Friday, December 1, 2017

The location will be 50/2600 or other announced location. A computer or laptop and a projector will be available. Bring your PowerPoint presentation on a flash drive.

Present a 5-7 minute oral presentation, with a few minutes of questions to follow, on an Inorganic Chemistry laboratory experiment conducted during the Fall 2017 semester. The level of the presentations should be suitable and targeted for students that have completed an Inorganic Chemistry course.

Be sure to:

- Give pertinent background about the experiment
- Describe the experiment and procedures
- Show experimental data and interpretation
- Summarize the results
- Answer questions about the experiment

Student(s)	Topic
	Synthesis and characterization of $\text{Co}(\text{NH}_3)_4\text{CO}_3\text{NO}_3$ and $[\text{Co}(\text{NH}_3)_5\text{Cl}]\text{Cl}_2$
	Linkage isomers: Synthesis and characterization of $[\text{Co}(\text{NH}_3)_5\text{ONO}]\text{Cl}_2$ and $[\text{Co}(\text{NH}_3)_5\text{NO}_2]\text{Cl}_2$
	Enantiomers: Synthesis, characterization, and resolution of tris(ethylenediamine)cobalt(III) chloride
	Preparation of $[\text{Ru}(\text{bpy})_3](\text{BF}_4)_2$ LED
	Synthesis of an air sensitive compound: copper(I) chloride
	Magnetic susceptibility measurements of transition metal containing compounds

The laboratory checkout will be held after the presentations.