

Miller Lab Safety Day Agenda – 2019

EHS Guidance: Principal investigators are responsible for training lab personnel on the contents of the University's Chemical Hygiene Plan and laboratory specific hazards or hazardous operations at least annually. The PI can now verify this annual lab safety training and upload related documents (training materials, sign-in sheets) via the new "Required Annual Training" link within the LSP.

Safety Field Day Introduction (Alexander Miller with Safety Officers)

9:00-9:30

Topics:

- Attendance
- Review contents of Chemical Hygiene Plan
- Review Laboratory Safety Plan, specific hazards and hazardous operations
- Checking phone numbers/contact information for EHS and lab members
- Evacuation and power outage procedures
- Chemical waste handling ("waste vs rinse")
- Working alone

Traps and Gas Cylinders

9:30-10:00

Traps

Attendees: Group 1

Gas Cylinders

Attendees: Group 2

10:00-10:30

Traps

Attendees: Group 2

Gas Cylinders

Attendees: Group 1

Gloveboxes and Shaker Catalysis

10:30-11:00

Gloveboxes

Attendees: Group 1

Shaker Catalysis

Attendees: Group 2

11:00-11:30

Gloveboxes

Attendees: Group 2

Shaker Catalysis

Attendees: Group 1

Recap and group lunch

EasyMax/React IR and Lecture Bottles/Gas Bulbs

1:00-1:30

EasyMax and React IR

Attendees: Group 1

Lecture Bottles and Gas Bulbs

Attendees: Group 2

1:30-2:00

EasyMax and React IR

Attendees: Group 2

Lecture Bottles and Gas Bulbs

Attendees: Group 1

Standardization of Lab Experimental Procedures and Data Analysis

Topics:

- Calibration curves (Eric)
- NMR kinetics (Henry)
- Nomenclature (Quinton)
- NMR data acquisition and batch data analysis (Andrew)
- Sample prep and data analysis from chromatography
- Cyclic Voltammetry acquisition and data analysis (Bethany)