Risk Assessment

- Risk assessment is an important safety measure to complete **before and during** experiments. The RAMP principles below can help to assess risks.

  - **Recognize hazards**
    - Use Safety Data Sheets to identify hazard categories and consult lab mates and PI (or EH&S) that may have experience using the reagent or useful tips

  - **Assess the risks of hazards**
    - Brainstorm with lab mates or your PI to imagine how you may be exposed to hazards and what the probability and degree of exposure might be.

  - **Minimize the risks of hazards**
    - Use proper PPE for what you are working with and understand the limitations of the protective measures that you are using (i.e. PPE, chemical hoods)

  - **Prepare for emergencies**
    - After knowing the hazards, be sure how to deal with common emergencies that may be associated with the procedures you are using

Visit [https://www.acs.org/content/acs/en/chemical-safety/basics.html](https://www.acs.org/content/acs/en/chemical-safety/basics.html) for more information on RAMP