WHAT IS A GROUP SAFETY REPRESENTATIVE (GSR)

• An individual identified by the PI to assist in managing the day-to-day operations of the laboratory as it pertains to safety practices and procedures.
GSR ROLES

• Basic Responsibilities
  • Serve as a liaison between PI, group members, Facility Manager, Safety Manager, EH&S personnel, and other offices.
  • Distribute information from EH&S, Health & Safety Manager, etc. to group members, as well as bringing questions, concerns and suggestions from group members to these persons/groups.
  • Attend semi-annual meetings with other Group Safety Representatives and the Health & Safety Manager. Meetings include discussion of safety information, policies, and concerns.
GSR ROLES

- Assist in departmental and campus based safety training programs.
- Relay information to group members about specific hazards, emergency procedures, routes of egress, access to Material Safety Data Sheets, location and use of safety equipment, etc.
GSR ROLES

• Laboratory Orientation
  • Identify new members to the lab group
  • Assist new group members in obtaining keys for office and laboratory spaces
    • Provide space orientation which includes locations of emergency exits, equipment, laboratory specific procedures, etc.
    • In concert with the PI, review and discuss basic and supplementary training requirements for work to be conducted in the lab
    • Indicate the required Personal Protective Equipment (PPE) to be worn when conducting tasks in the lab
TRAINING OF NEW PERSONNEL

• New users must complete
  • Course “PSCFM 7010-WBT-2017.09.01 – Physical Sciences Complex Orientation” available through CULearn
  • Building evacuation training
  • Minimum required training
    • Fire Safety
    • Laboratory Safety
    • Chemical Waste Disposal
  • Hazard specific training
    • Pyrophorics, Compressed gas, Cryogen safety, Lasers, Magnet safety
• PSC Key-Card Access Request Form
GSR ROLES

• Lab Management
  • Alert the Health & Safety Manager when new chemicals, processes or equipment hazards are introduced into the lab, which may require a formal review to ensure adequate training and safety measures are in place.
  • Assist in the maintenance of the research group’s chemical inventory using Vertere Inventory Management System
    • https://vertere.ehs.cornell.edu:8484/(S(iy4du1qticyirhizxltzne))/Login.aspx
    • MSDS can be found in ChemWatch
    • http://sp.ehs.cornell.edu/lab-research-safety/research-safety/msds/Pages/default.aspx

• Laboratory Inspections
  • Assist in safety inspection of research group labs, distribute inspection results, and coordinate the abatement of safety violations.
  • Provide direction and/or assistance to group members to correct safety violations.
LABORATORY ACTIVITIES REQUIRING PRIOR APPROVAL

- **Use of restricted Materials**
  - Arsine
  - Cyanogen, Hydrogen Cyanide and inorganic cyanides
  - Hydrogen Fluoride (anhydrous)
  - Hydrogen sulfide (cylinders)
  - Nickel carbonyl
  - Perchloric Acid and other Perchlorates
  - Phosphine
  - Other Poison Inhalation Gases
  - Other highly toxic materials (LD50 \(\leq 50 \text{ mg/kg}\)) or (LC50 < 200 ppm)
LABORATORY ACTIVITIES REQUIRING PRIOR APPROVAL

- Use of Recombinant DNA (rDNA)
- Use of biohazardous materials
  - infectious agents
  - cell lines, human blood and body fluids
- Use of Animals in Research
- Use of Radioisotopes
GSR ROLES

- Housekeeping & Waste Management
  - Oversee and coordinate general safety and housekeeping practices for group’s laboratories.
    - maintain waste disposal information and records
    - Assist group in managing disposal of special wastes, sharps, bio-waste, high hazard wastes, etc.,
    - ensuring an overall clean and well-kept appearance to the group’s laboratories.
GSR ROLES

- **Emergency Management**
  - Assist PI, Health & Safety Manager, and EH&S personnel in contingency planning for safety aspects of emergency and non-emergency situations.
  - power outages (planned and unplanned)
  - fire drills and evacuations
  - chemical spills
  - Accidents or injuries
REPORTING OF ACCIDENTS, INJURIES, EXPOSURES & ILLNESSES

• Cornell University Injury/ Illness database