



LPL Laboratory Safety

- Introduction (why me?)
- Safety is a boring distraction?
Better safe than sorry! When in doubt, please ask.
- Faculty Requirements
- New labs; old labs
- Introduction to UA Research Laboratory Resources
- “Approval Holder” Program for laboratory activities
 - Helpful forms and templates
 - Helpful RLSS staff who facilitate research activities
- Questions? Ask Dolores Hill (LPL), Tara Bode (LPL), RLSS or Risk Management



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Laboratory Responsibilities

Safety is everyone's responsibility and every worker's right. RLSS and Risk Management work together to facilitate research, help instill a culture of safety, trust, and ensure compliance with relevant regulations.

LPL support staff are here to help in these areas, too. We want to ensure personal safety and the safety and integrity of equipment, samples, and experiments at the same time.

Good motto: be a good lab buddy. Be safe; clean up after yourself and watch out for others.

Ongoing Laboratory Requirements

New faculty may be familiar with safety procedures at other institutions and perhaps other countries.

Additional safety training required by the UA provides up to date information about requirements and recommendations that may be specific to the UA and/or Arizona.

Safety categories include:

- * Chemical/radiation Safety
- * Campus Safety (fire, electrical)
- * Occupational Safety (industrial hygiene, personal protective equipment, noise reduction, machines, etc.)
- * Environmental (hazardous waste, shipping of hazardous materials)



Required Safety Training for Lab Workers

1. Trainings must be documented.
Keep a loose leaf notebook or file folder in the lab for annual safety audit.
2. *Before working in the lab*, every lab worker must receive Chemical Safety Lab Specific Training for each lab (see template here: <https://rgw.arizona.edu/compliance/rlss/chemical-safety/chemical-safety-training>)
3. Every lab worker must take the on-line General UA Laboratory Safety Training. This training is applicable for all labs at UA (take once for all UA labs). It includes training on required (M)SDS, storage, labeling of chemical bottles, disposal, etc.
4. At least one person in the lab must take Fire Extinguisher Training hands-on training provided by Risk Management.
5. Every lab worker must take on-line Fire Safety Awareness Training: <https://risk.arizona.edu/training/fire-safety-awareness>
6. Before a lab worker leaves a research group, conduct an “exit walkthrough” to identify chemicals, hazards, or materials that are no longer needed. Transfer waste chemicals to Risk Management. Contact RLSS if the lab is being vacated).

UA Approval Holder Program

One or more Approval Holder Programs may be required for a given lab space.

The University of Arizona uses an “Approval” program to identify different types of laboratories for safety services. Some activities and possession of materials *require prior approval* by the appropriate university committee before they are allowed.

The faculty P.I. (“lab owner”) is the responsible approval holder who designates an “approval safety coordinator” who oversees day-to-day lab activities. RLSS and Risk Management actively monitor regulations and advisories and communicates changes to Approval Holders.

Faculty must sign up for the Chemical Safety Approval Program and any other applicable Approval Programs depending on the particular planned activities.



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Which Approval Do You Need?

Do you plan to use **lasers**? >> Non-ionizing Radiation Safety Committee (NRSC)

Do you plan to use **compressed gases**? >> Research Laboratory Safety Services (RLSS) and Risk Management Cryogenics Dept.

Do you plan to use **radioactive materials**? >> University Radiation Safety Committee (URSC)

Do you plan to use **biohazardous materials**? >> Institutional Biosafety Committee (IBC)

Do you plan to work with **Human Subjects**? >> Human Subjects Protection Program

Do you need to **ship or receive hazardous materials**? >> Research Laboratory Safety Services (RLSS) *They will do it for you and fill out all the required documents!*

LPL Laboratories: New and Old

New faculty and/or those who are renovating existing lab space need to contact

- Tara Bode (LPL)
- UA Research Laboratory Safety Services (RLSS)
- Risk Management

early in the design process. This avoids costly surprises and disruption of research work later.

Conversely, those moving out of lab spaces must contact RLSS for assistance with “Lab Closeout”. This ensures proper disposal of hazardous materials and prepares the space for the next occupant.



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Thank you!

Thank you for making LPL
a safer place for everyone!

Please don't hesitate to contact me if you have any questions; especially navigating the Approval Holder Program.

Sometimes I can answer a quick question and/or I know who can give an official answer. I might have just the right label or paperwork you need... maybe even some labware.