

Running a smooth lab

Lab safety for working at BSL-2:

Before beginning work at BSL-2 researchers must...

- Be listed on an approved [IBC Inventory and Activity Registration \(IAR\)](#)
- Complete [Bloodborne Pathogen and Biosafety Training for Research Personnel](#)
- Read and sign the BSL-2 Biosafety Manual
- May need to enroll in the [Medical Surveillance Program](#) and complete medical clearance (e.g., vaccination, respiratory clearance, etc.)*

<http://ehs.virginia.edu/biosafety/bio.riskgroups.html#2>

Chemical Safety:

- **Chemical Safety and Waste Training** for persons who handle chemicals, but **DO NOT** work with Radioactive Materials.
 1. Research Personnel & Students
 - i. This training is required for Research Personnel & Students who work in a laboratory/area where chemicals are used, or who generate Hazardous (Chemical) Waste.
 - ii. [start training](#)

<http://ehs.virginia.edu/ehs/ehs.chemicalsafety/chemicalsafety.training.html>

- **Global Harmonized System** - OSHA's revised regulations require that anyone who works with or near hazardous chemicals or chemical products receive training on their revised Hazard Communication Standard. UVa has developed a 15-minute training module, titled "[Chemical Safety - Globally Harmonized System](#)", in order to achieve compliance with this new requirement.

<http://ehs.virginia.edu/ehs/ehs.ghs.html>

- Detailed Chemical Safety and Hazardous (Chemical) Waste collection information can be found in UVa's **Chemical Hygiene Plan**

<http://ehs.virginia.edu/ehs/ehs.chemicalsafety/chemicalsafety.html>

Radiation Safety:

Radiation Safety Training Course (RSTC): [Available online.](#)

This course assumes some knowledge of basic science. After a brief introduction to radiation

physics, this course covers the interaction of radiation with matter, biological effects and risks of radiation exposures, regulatory and administrative dose and exposure limits, personnel monitoring for radiation exposure, internal deposition and external exposure protection methods, radiation measurement and measuring equipment, radioactive waste and emergency procedures.

<http://ehs.virginia.edu/ehs/ehs.rs/rs.training.html>

Fire safety:

No extension cords, no alcohol in refrigerators or freezers, 18 inch clearance from ceiling.

<http://ehs.virginia.edu/ehs/ehs.firesafety/firesafety.html>

Shipping:

Shipments of Infectious Substances (including those on dry ice) will continue to be the responsibility of the certified shipper and personnel must complete training every 2 years. Online training is available. There is separate training for shipping infectious substances and shipping with dry ice.

<http://ehs.virginia.edu/ehs/ehs.shipping.contacts.html>

Managing money:

- Talk with sales representatives – ask for quotes! Example, eBioscience can give 40% off of antibodies for FACS staining and Genesee will give better prices than what are listed in their punchout.
- Check with small and or minority owned vendors. Example: Thomas Scientific is a small vendor.
- Check to make sure vendor is eVA registered. If vendor is registered, they pay a 1% fee, if they are not registered – you pay the 1% eVA fee.
- Delivery code - Delivery locations are physical addresses for the delivery of goods and services ordered by or for a particular Purchasing Unit. It is very important that all purchasing transactions and documents can be linked in some way to the proper departmental Purchasing Unit -- for reporting, communication, invoice handling, and problem resolution.
- Molmart – You can order through Linda Beggerly (lkb7h@virginia.edu), you won't have to pay shipping for certain companies – Invitrogen, Qiagen, Bionline, NEB, BioRad.
- Does anyone have any feedback for Linda?

https://core.web.virginia.edu/pubview/CurrentItemMstr.cfm?core_nbr=19

Animal Care and Use:

General steps for a new animal handler:

1. Add new person to the animal protocol

2. Have them perform on-line training modules
3. Schedule a workmed or student health appointment for their health assessment (In-person every three years)
4. Register for animal orientation seminar
5. Complete BSL-2 training as needed

<http://www.virginia.edu/vpr/animalwelfare/index.html>

http://www.virginia.edu/vpr/animalwelfare/docs/new_investigator_guidance.pdf

<http://www.virginia.edu/vpr/animalwelfare/training.html>

