

U-M EHS (Environment, Health and Safety) Related Items ~ To Assist New Researchers at NCRC ~

December 2017

EHS Training

Training registration website and course number descriptions: <http://ehs.umich.edu/education/ehs-training-login/>

All research lab personnel must complete General Laboratory Safety Training (BLS025W)

Depending on tasks performed, or materials/equipment used, the following training may be required. Please consult the class descriptions provided at the training website or consult with your NCRC EHS Representative.

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| • Laser Safety (working with Class 3B or 4 lasers) | BLS005w |
| • Biosafety and Bloodborne Pathogen Training | BLS101 |
| • Viral Vector Safety | BLS008 |
| • Centrifuge Training | BLS023 |
| • NCRC Autoclave Training | BLS032w |
| • Shipping Materials with Dry Ice | BLS204w |
| • Receipt of Infectious Biological Materials & Dry Ice | BLS205w |
| • Shipping Chemical Preservatives | BLS206w |
| • Shipping Biologics – Infectious Substances Category B | BLS209w |
| • Machine Shop Responsible Person | IHS070 |
| • Radiation Safety Orientation | RSS006 |

Lab Safety

EHS main website: <http://www.ehs.umich.edu/>

- Visit this site to find guidelines, register your chemical inventory (MI Safety Portal), access SDS, etc.

Chemical Hygiene Plan (CHP), CHP Document “Blue” Binder (Binder to be completed specific to lab activities) and Standard Operating Procedure (SOP) template form and SOP examples: <https://ehs.umich.edu/research-clinical-safety/chemical/>

Hazardous waste management: <https://ehs.umich.edu/hazardous-waste/>

Mercury Thermometer Elimination Program: please purchase non-mercury thermometers if they will be needed.

Exposure Control Plan (ECP) - for work involving **human** blood, serum, tissues, etc.
<http://ehs.umich.edu/research-clinical-safety/biological/>

Chemical spill kits - *Please ensure a kit is available for the various classes of chemicals you will use/store - acid, caustic, flammable, formaldehyde, HF, etc. Kits can be purchased through [M-Marketsite](#) or safety equipment vendors.

[Laser Safety](#) (applies to Class 3B or Class 4 lasers)

SDS Location Poster (print, complete and post): http://www.michigan.gov/documents/dleg/wsh_cet2105_219990_7.pdf

Compressed gas cylinder stands/restraints - can be purchased through [M-Marketsite](#) or safety equipment vendors.

Biosafety

[Biosafety Manual](#)

Institutional Biosafety Committee (IBC) - if planning to work with rDNA or BL2 agents:

<http://www.drda.umich.edu/policies/um/committees/BRRC/BRRC.html>

Biological Safety Cabinets (if you will be bringing/using one): <https://ehs.umich.edu/research-clinical-safety/equipment-tools/biological-safety-cabinets/>

Transport and Shipping of Biological Materials and Dry Ice: <https://ehs.umich.edu/research-clinical-safety/biological/transporting-biological-materials/>

Radiation Safety

Getting authorized: <https://ehs.umich.edu/research-clinical-safety/radiation/authorization/>

Engineered Nanomaterials

Guideline: <http://ehs.umich.edu/research-clinical-safety/chemical/engineered-nanomaterials/>

Nanomaterial [Survey form](#) (complete and submit on-line)

NCRC Specific Items

[Safety Guidance Manual](#)

[Site Orientation Video](#)