ORS Office and Contact Information

Evanston: Tech NG-71, 847-491-5581
Chicago: Ward B-106, 312-503-8300
E-mail: researchsafety@northwestern.edu
Why does Northwestern need ORS?

• Identify hazards
• Control risks
• Manage compliance
Consequences of Noncompliance

- Employee exposure to hazards
- Fines
- Loss of funding
ORS Programs

• Biological Safety
• Laboratory and Chemical Safety
• Radiation and Laser Safety
• Emergency Response
• Hazardous Waste Disposal
• Training
Biological Safety

Programs:

• Laboratory Safety Reviews - Chicago
• Recombinant DNA registration
• Human gene transfer
• Bloodborne pathogens
• Infectious agents
• Biohazard waste
• BSL3 laboratories
• Select agents
• Biosecurity
Laboratory and Chemical Safety

Programs:

- Laboratory Safety Reviews - Evanston
- Laboratory Safety and Chemical Hygiene Plan
- Lab design review
- General safe work practices
- Engineering controls
- Personal protective equipment
- Respiratory protection
- Safety equipment
- Hazardous processes
- Chemical Fume Hood Inspections
- Engineered nanoparticles
Radiation and Laser Safety

Program Areas:

*Radiation Safety*
- Training and Audits
- Radioactive material use authorization
- RAM inventory, accountability, receiving/shipping
- Xray
- Irradiator Security

*Laser Safety*
- Training and Audits
- Laser use authorization
- Laser Inventory
Emergency Response

- Hazmat response
- Spill kits
- Incident reporting
Hazardous Waste Disposal

Clean Harbors Environmental Services

- Chemical waste
- Biological waste
- Radioactive waste

http://www.research.northwestern.edu/ors/forms/purpleguide.pdf
Training

RESEARCH SAFETY TRAINING

University Faculty, Staff, and Students must have a University NetID and Employee (or Student) ID to complete Safety Training.

Not University Faculty, Staff, or Student? Click Here!

<table>
<thead>
<tr>
<th>I work in a lab</th>
<th>I don’t work in a lab</th>
</tr>
</thead>
<tbody>
<tr>
<td>GO</td>
<td>View Training</td>
</tr>
</tbody>
</table>

Research Safety
Online system designed to inform PIs, Cores and Lab Workers about safety specific to their workplace:

- Regulations
- Engineering controls
- Safe work practices
- Personal protective equipment

https://www.nsis.northwestern.edu
**Principal Investigators:** If you are new to the University and need to create an NSIS profile send an email to [ors-operations@northwestern.edu](mailto:ors-operations@northwestern.edu). Include your name, NetID, department, anticipated date of arrival and a contact phone number and/or email address. You will receive email notification once your profile has been setup.
# NSIS: Safety Evaluation

Here is the summary of your responses to the Safety Evaluation Wizard. To add or remove safety forms, modify the appropriate evaluation question response.

<table>
<thead>
<tr>
<th>Evaluation Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you use or store <strong>hazardous chemicals</strong> other than household cleaning chemicals?</td>
</tr>
<tr>
<td>Do you use or store <strong>compressed</strong> or <strong>liquefied gases</strong>?</td>
</tr>
<tr>
<td>Do you use or store <strong>controlled substances</strong> on <strong>DEA</strong> schedules?</td>
</tr>
<tr>
<td>Do you use <strong>animals</strong> for research?</td>
</tr>
<tr>
<td>Do you use <strong>human blood</strong>, <strong>blood products</strong>, <strong>body fluids</strong> or other potentially <strong>infectious materials</strong>, including human-derived cell lines?</td>
</tr>
<tr>
<td>Do you use <strong>biological agents</strong> at Biosafety Levels 1, 2, or 3?</td>
</tr>
<tr>
<td>Do you ship <strong>hazardous materials</strong> or <strong>dangerous goods</strong>?</td>
</tr>
<tr>
<td>Do you use <strong>recombinant or synthetic nucleic acid molecules</strong>?</td>
</tr>
<tr>
<td>Does your work involve Human Gene Transfer?</td>
</tr>
<tr>
<td>Do you use <strong>select agents</strong>?</td>
</tr>
<tr>
<td>Does your work involve <strong>physical hazards</strong>?</td>
</tr>
<tr>
<td>Do you use equipment with alarms that would sound after hours?</td>
</tr>
<tr>
<td>Do you currently use radioactive materials or plan to in the future?</td>
</tr>
<tr>
<td>Do you use <strong>Class 3b</strong> and/or <strong>Class 4 lasers</strong> in your laboratory space?</td>
</tr>
<tr>
<td>Do you use <strong>x-ray equipment</strong> in your laboratory space?</td>
</tr>
</tbody>
</table>
NSIS: Lab Workers

Welcome Cindi. You logged in as a Lab Worker for PI: Mason.

NSIS Home Edit Hazardous Waste Safety Training Registrations User Tools Messages

Your "To Do" List
- Complete Hepatitis B Vaccination Consent/Waiver Form
- Complete ORS Safety Training

View PI Safety Forms
- Emergency Information
- Laser Equipment
- X-Ray Equipment

Research Safety
Laboratory Safety Review

- Initial visit for new labs then annual*
- Interview PI/Safety Designate and Lab Workers
- Visual inspection
- Deficiencies require follow-up
Safety Services from Other Depts.

Risk Management

• Fire safety, evacuation plans, workers compensation

University Services

• Purchasing, compressed gases, dry ice and liquid nitrogen

University Police

• Personal safety, security threats and breaches

http://www.research.northwestern.edu/ors/info/whodoeswhat.html
Visitors and Volunteers

- Safety regulations extend to visitors and volunteers
- Training required if the person will work unsupervised
- See Human Resources site

http://www.research.northwestern.edu/ors/training/visitor-volunteer.html
What Now?

- Review ORS website
- Review the Essential Guide
- Acquire Department Administrator access to NSIS
- Review your department info in NSIS

http://www.research.northwestern.edu/ors
Questions?