Safety Training Requirements for New Employees, Long-Term Visitors, and Interns Working in Laboratories or Workshops

Before you are allowed to begin working with chemicals in a Laboratory or with any Shop Equipment (including the Rock Lab) on the Lamont Campus you must complete the requisite Safety Training. Furthermore, before beginning any work in the lab or workshop, you must have the permission of the Lab Principle Investigator (PI) or the Shop Supervisor to work in that lab / workshop, and review with the PI or Shop Supervisor the “Lab Specific Safety Work Procedures” or “Tool Specific Procedures”.

Please supply the information requested below and have your Lab PI check which safety training course(s) that are required for your position and sign form.

Return completed form to the LDEO Safety office so that we can update the Columbia RASCAL Training Records and provide you with additional information on obtaining the required training.

<table>
<thead>
<tr>
<th>Name:</th>
<th>Columbia UNI Number:</th>
<th>Email Address:</th>
<th>Department:</th>
<th>Title:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Principle Investigator / Shop Supervisor Name (s):</td>
<td>Labs Working In:</td>
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<tr>
<th>Job Function or Activity</th>
<th>Required Safety Training</th>
<th>Initial Training Method / Refresher Training Frequency</th>
<th>REQUIRED (Check if Yes)</th>
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<tr>
<td>General Research Safety Courses</td>
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<tr>
<td>Working in a laboratory or with chemicals</td>
<td>Laboratory Safety, Chemical Hygiene and Hazardous Waste Management Training (Course: TC0950)</td>
<td>“Live” Initial / refresher every 2 years</td>
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<tr>
<td>Radiation Safety courses</td>
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<tr>
<td>Working in a lab that uses Radioactive material (RAM) or X-Ray producing machinery</td>
<td>Radiation Safety Training (Course: TC1750)</td>
<td>“Live” or RASCAL Initial / Annual refresher</td>
<td></td>
</tr>
<tr>
<td>Working in LDEO Ultra Clean Lab with Lames Spike.</td>
<td>Radiation Safety for Use of LDEO LaMes Spike (Course: TC2050)</td>
<td>Note: TC1750 also Required</td>
<td>RASCAL</td>
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| Working with Formaldehyde or Xylene                         | Formaldehyde and Xylene Safety Training  
*Course: TC0016*                                                                        | “Live” or RASCAL  
Initial / Annual Refresher                                                |                        |
| Working with Hydrofluoric Acid                              | Hydrofluoric Acid Safety Training  
*Course: TC1650*                                                                         | “Live” or RASCAL  
Initial / Refresher every 2 years                                         |                        |
| Working with Class 3b or 4A Lasers. Personnel working with other lasers are encouraged, but not required. | Laser Safety Training  
*Course: TC1600*                                                                         | “Live” Initial / Refresher every 2 years                             |                        |
| Working in a machine shop or other area with machinery. Personnel working with a specific machine must receive machine specific training provided by their department before use. | Shop Safety Training:  
*Course: TC0600*                                                                         | RASCAL                                                              |                        |
| Working in an area where more than 60 gallons of Cryogenic Liquid (Liquid Nitrogen) is being stored, handled or used. | Storage, Handling and Use of Cryogenic / Refrigerated Liquid Gases (G-97)  
*Course: TC0084*                                                                 | RASCAL                                                              |                        |
| Working in a lab that uses cyanide or cyanide containing substances | Cyanide Safety Training  
*Course: TC0085*                                                                          | RASCAL                                                              |                        |
| Working in a lab that stores, handles or uses pyrophoric materials | Pyrophoric Materials Training  
*Course: TC1850*                                                                          | “Live” Initial/ “Live Refresher                                      |                        |
| Working with Controlled Substances *in vitro or in vivo*, under IACUC-approved protocols | Controlled Substances Use and Management in Research  
*Course: TC0502*                                                                           | RASCAL / Refresher every 2 years                                       |                        |

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<td>Biological Safety and Shipping Courses</td>
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| Working with: human blood, body fluids, cell lines or unfixed tissue, infectious microorganisms (capable of causing disease in healthy adults), or viral vectors | Biological Safety / Bloodborne Pathogen Training  
Course: TC0509                                                                        | "Live" initial / Annual Refresher Training  
Course: TC0509                                                                            |                        |
| Working with viral vectors in research                                                   | Viral Vector Research – Handling and Biosafety  
Course: TC1150                                                                          |                                                        | RASCAL                 |
| Working with recombinant DNA in research                                                | Recombinant DNA Training  
Course: TC0508                                                                         |                                                        | RASCAL / Refresher every 2 years                     |
| Shipping specimens/viable microorganisms known to or reasonably expected to contain material that may cause disease in humans or animals with Dry Ice | Shipping Biological (infectious and potentially infectious) Materials, Genetically Modified Microorganisms (GMMOs) and Exempt Specimens Training  
Course: TC0507                                                                        |                                                        | RASCAL / Refresher every 2 years                     |
| Shipping non-hazardous materials with Dry Ice                                            | Shipping with Dry Ice, Exempt Specimens and Excepted Quantities of Dangerous Goods  
Course: TC0076                                                                          |                                                        | RASCAL / Refresher every 2 years                     |

Date:________________________________________

Principle Investigator Name (Please Print):________________________________________

Signature:________________________________________