

Lab Safety Coordinator Meeting

Summer 2014

Agenda

- Welcome
- Incidents
- Managing Emergencies
- Boston Fire Dept.
- High Hazard Chemical Program
- Chemical Safety Inspections
- Microtome and Cryostat Information
- Break out sessions

Welcome and Updates

- Welcome back and welcome to the new LSCs!
Kate Mellouk, Associate VP Research
Compliance
- New Department Safety Advisors
 - Tanya Cafarella – BioSquare III, Evans (X) 4 - 8,
 - Wei Lee Leong - Chemistry, Physics, Earth and Environment and Archeology

New Lab Safety Coordinators



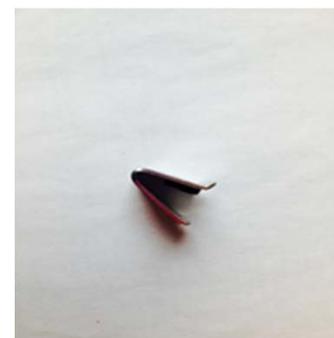
New Lab Safety Coordinators

- Welcome!
- Take some time and meet with your DSA
- Ensure that you have secondary access to RIMS
 - Allows you to update inventory
 - Tutorials are available
 - Update personnel
 - Keep track of training
- Previous inspections are located in RIMS
- Tool kit www.bu.edu/ehs/lsc-toolkit.

Incidents

Incidents

- Small lab fire, the fire extinguisher was discharged and the fire dept. was not called. Even if fires are extinguished we still must use R.A.C.E
- Chemical spill- Flammable cabinet deck fell. Check the small clips that mount for adjustable heights



Reporting Incidents

- The Emergency Flip Charts have been updated and will continue to be changed out throughout labs and other areas.
 - Changes include:
 - CRC
 - FMP Control Desk
 - 353-2015- Recorded line 24/7
 - 353-7233- will route to FMP
 - BUMC/BMC

Managing Emergencies

Managing Emergencies

- Managing Emergencies Online Training
- An efficient emergency response relies on everyone to do their part. Everyone in the BU community should be familiar with basic emergency response, initial actions to take, and who to notify.

Managing Emergencies

- Managing Emergencies- this course pertains to everyone in the BU community. It discusses each type of emergency you may encounter. It covers initial actions, proper notifications, and other useful tools.
- Basic emergency response phases and actions are also outlined. There is a quiz at the end of the course that is required at the discretion of your supervisor.

Accessing the Training

- If you have access to any courses in Blackboard Learn you already have access to this course. Simply go to <https://learn.bu.edu/> log in and click the “All Blackboard Courses” tab. Managing Emergencies is the
- featured course you will see in a box in the left upper corner of the screen.
- If you do not have a Blackboard Learn account please email ithelp@bu.edu to be enrolled.

Boston Fire Dept. Inspection



Boston Fire Dept. Inspections

- What is it?
- General Safety walk through to ensure compliance with Boston Fire Dept.
- Updates to buildings and concerns that may be present for emergency entrance for BFD
- How did we do?
- All buildings passed! But we do have some general concerns to be communicated

Boston Fire Dept. Inspections

- Biological Safety Cabinets with natural gas lines should be disconnected if not in use, or a Standard Operation Procedure established
- Ensure doorways are not blocked with equipment
- Sharps containers stored properly and not left open
- Bottles should be defaced if empty
- All flammables stored in approved cabinets
- Specific items will be discussed with DSA

HIGH HAZARD CHEMICAL PROGRAM



High Hazard Chemical Program

- EHS in conjunction with the Laboratory Safety Committees have identified certain chemicals as high hazard chemicals (HHC).
- Explosives, flammable gases, self-reactive substances, pyrophoric liquids and solids, acute toxicity, carcinogens, reproductive toxicants
- EHS and the Laboratory Safety Committees will develop institutional SOPs with specific procedures to handle and store the High Hazard Chemical

CRYOSTAT AND MICROTOME INFORMATION



CHEMICAL SAFETY INSPECTION



Chemical Safety Inspection

- Updated to inventory
- Review High Hazard Chemical (HHC) list.
- Inform DSA if your lab is storing or planning to use HHC.

Cryostat Safety Guidelines

Potential hazards:

- Sharp blade
- Sharp blade holder corners
- Ergonomics
- Cold (-20° C to -30° C)
- **Peripheral hazards:** Quick Freezing Chemicals (e.g. Histofreeze©); Dry Ice (CO₂); Liquid N₂
- **Potential Biohazards associated with fresh frozen tissue based on source**

Microtome Safety Guidelines

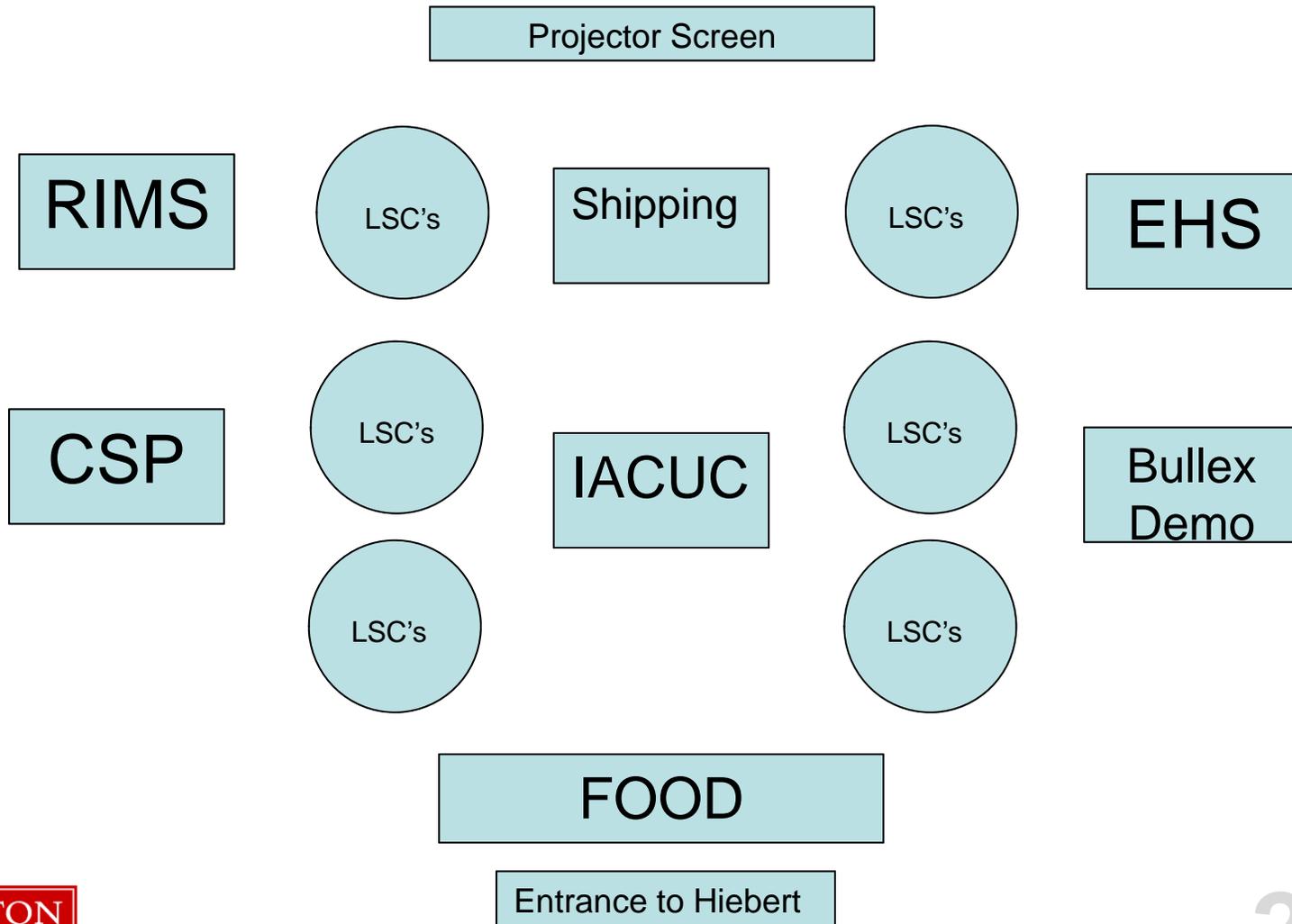
Potential hazards:

- **Potential Biohazards associated with parafinized tissue based on the source of the material:**
- Creutzfeldt-Jacob Disease
- Scrapie
- BSE
- Other potentially transmissible prion diseases

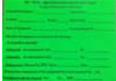
INFORMATION TABLES



Schematic for Med LSC Event at Heibert



E H & S General Information

- We provide an online form to de-commission by green sticker  of equipment and laboratories for removal or transfer
- We provide an online form for hazardous waste pick-up and a supply of extra hazardous waste stickers 
- We provide High Hazard Chemical guidelines, SOP's and administrative oversight
- We offer guidance on choosing sharps containers  and other necessary biological and chemical waste containment
- We provide updated flipcharts(www.bu.edu/ehs/flipchart) and fire diamonds  for lab safety information dissemination
- We have a variety of sticker options to help designate the hazards  contained in the lab and safe work practices

Shipping of Hazardous Materials Imports of Chemicals

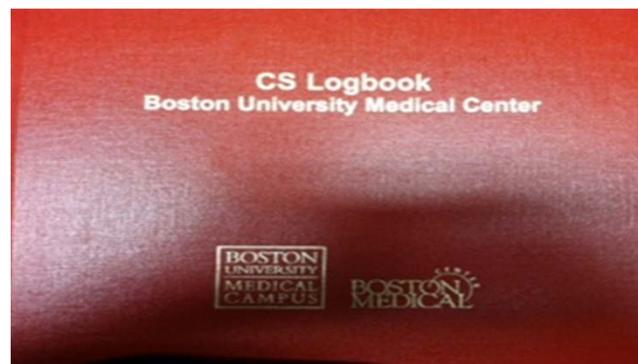
Did you know....

- ▶ **Toxic and Infectious substances** such as cultures, patient and animal specimens, and biological products each have different shipping requirements.
- ▶ **Chemicals** which fit into one of the 9 dangerous good classes are required to be reviewed by EHS prior to shipment.
- ▶ **Radioactive Materials** must be shipped by the Radiation Protection Office.
- ▶ **Chemical Imports** must be accompanied by a TSCA Import Form

Controlled Substance Program

Program

- 2 Components
 - Purchasing:
 - Operation:
- CSP@BU.EDU
- 617-638-4510
- Program Updates
<http://www.bu.edu/orc/forms/environmental-health-safety/>
- Controlled substance training –www.bu.edu/rims



Controlled Substance Program

Operation: BU provides this privilege to you as long as you comply with the following conditions:

1. Register
2. Acquisition
3. Usage
4. Record Keeping
5. Transfer
6. Security
7. Storage and Disposal

Research Information Management System (RIMS) Principal Investigator Home Page
Return to this page at any time by clicking on the Home Tab at the top of the page. Please configure your browser to allow popups on this site.

[Getting Started with RIMS](#)

Using Internet Explorer? Please use version 8 or higher.

PI Profile

[Information about the PI](#)

[Declare your activities](#)

[Identify your personnel](#)

[Identify your locations](#)

[Lab Snapshot \(PDF\)](#)

[Personnel Training Report](#)

[Personnel ROHP Report](#)

[LSC User Certification Form](#)

[View Latest Lab Inspection Reports](#)

[Lab Inspection](#)

Activities and Authorizations

[Radioisotope Permit - \[help\]](#)

[Biological Use Authorization \(IBC Application\) - \[help\]](#)

[Intent to Administer Biological Materials into Rodents](#)

[Your Chemicals \(PDF\)](#)

Marketplace - [help]

[Campus Surplus Chemicals](#)

[Add to the Animal Marketplace](#)

[View the Animal Marketplace](#) (click 'Home' above before selecting this option)

My Training (PI Only)

[My Training Profile](#)

[RIMS Access - \[help\]](#)

Primary Users - Can grant and deny access to RIMS

ambush [Remove](#)

andreavo [Remove](#)

[Add a primary user](#)

Secondary Users

alanoue [Remove](#)

carolyn1 [Remove](#)

jhmccall [Remove](#)

[Add a secondary user](#)

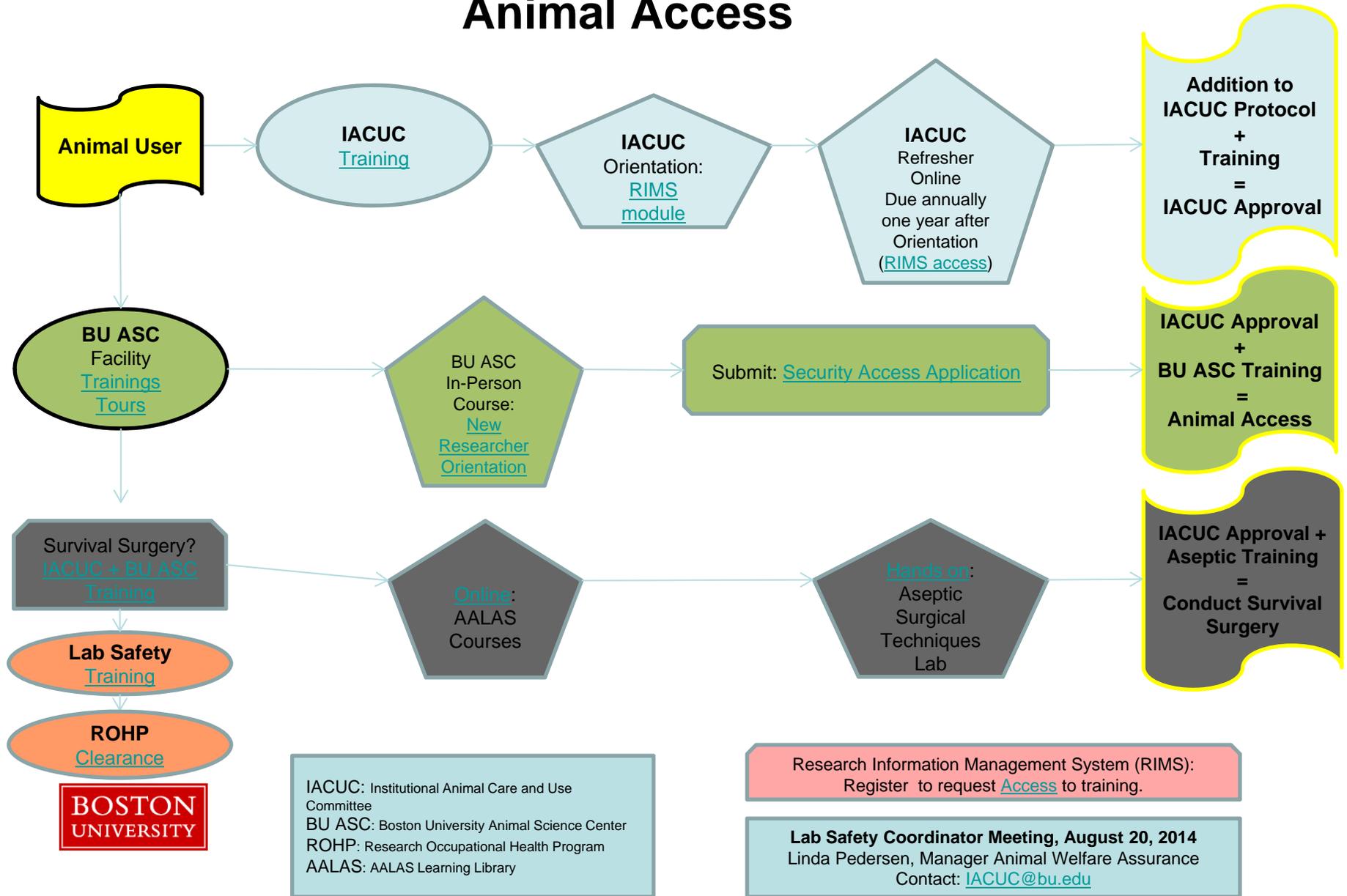
Update your
Emergency Contacts
here

Update your **Lab/Group
Personnel** list here

Update your **Primary
and Secondary Users**
here



Animal Care and Use Training + IACUC Approval = Animal Access



BulEx Demo

- Try to put out a fire!
- Learn proper techniques for using a fire extinguisher.



**THANK
YOU!**