Who are your presenters?  

Austin Fritsch  

• Austin Fritsch  
  • Compliance Officer - IACUC & IBC  
    • Rules and regulations governing the use of animals in research  
      • USDA, AWA, AALAS, AAALAC, PHS Policy, AVMA, and others  

• Director - Animal Resource Center  
  • Direct oversight of facilities and operation of both the Schroeder and Wehr Life Science animal vivarium's
Who are your presenters? Alecia Treml

• Alecia Treml
  • Animal Care and Facility Supervisor
    • Day-to-day operation of the animal resource centers (Schroeder and Wehr)
    • Coordination of animal care and use equipment and student staff
    • Coordination of all ARC policies and procedures
ACU Training - Vocabulary

- OHS - Occupational Health and Safety
- EHS - Environmental Health and Safety
- ORC - Office of Research Compliance
- ARC - Animal Resource Center
- PPE - Personal Protective Equipment
- LAA - Laboratory Animal Allergies
- SOP - Standard Operating Procedure
- IACUC - Institutional Animal Care and Use Committee
- IO - Institutional Official
- OLAW - Office of Laboratory Animal Welfare
- AWA - Animal Welfare Act
- AAALAC - Association of Assessment and Accreditation of Laboratory Animal Care
- AALAS - American Association of Laboratory Animal Science
ACU Training

• Welcome to the Animal Care and Use Training Presentation
  • All should be here because you are working with animals

• Today's training will include
  • The risks working with animals
  • The animal care and use program
  • The animal resource center facility

10/23/2014
Risks working with animals - OHS training

• Occupational Health and Safety (OHS) training
  • Designed to protect both the institution’s personnel and the laboratory animals

• Designed for those that have lab animal contact

• Based off of the requirements set by the Guide for the Care and Use of Laboratory Animals and Occupational Health and Safety in the Care and Use of Research Animals
OHS Training

• Who participates?
  • Anyone working with or around the animals or the ARC
    • Department heads
    • Facility staff
    • Research assistants
    • Graduate staff
    • Postdoctoral associates
    • Investigators
    • ARC staff
    • Undergrad student staff

10/23/2014
• What is included in the OHS training?
  • Tetanus vaccine should be up-to-date

• Completion of the Health Questionnaire/Risk Assessment

• If needed - a meeting with Mr. James Schabla OHS coordinator

• Each year completion of the OHS Annual Follow Up
OHS Training - Risk Assessment

• Health Questionnaire/Risk Assessment
  • Copy in each folder
  • Will be sent in an e-mail to each participant
  • Questions on:
    • What animals you will be working with
    • Medical history
    • Allergy history
• Please complete, print, sign, and bring to the ARC office (SC-561)
  • Please complete all information to the best of your ability
• Laboratory Hazards
  • It will be the responsibility of your laboratory staff to make sure you are trained in all hazards associated with working in the lab
    • Sharps
    • Injections
    • Restraint
    • Bio-hazard material
    • Chemical hazards
    • And others...
OHS Training - Animal Facility Hazards

- Laboratory Animal Allergies (LAA)
- Animal bites and scratches
- Needle sticks and pokes
- Zoonosis
- Chemicals
- Hazardous agents
OHS - Laboratory Animal Allergies LAAs

- Read the LAA Statement that is located in the packets
- Prolonged exposure may lead to LAAs
- 1/3 of workers have LAAs
- Inhalation is the most common route
  - Including eyes, skin, and respiratory system
- Sensitization usually occurs within the first 3 years
Symptoms of allergic reaction:
- Itchy, watery eyes
- Itchy, runny nose
- Chest tightness
- Wheezing
- Shortness of breath
• Sources of allergens from animals:
  • Fur
  • Dander
  • Feces and urine
  • Saliva
  • Serum
OHS - Laboratory Animal Allergies LAAs

- Preventing LAAs
  - Reduce skin contact - use PPE
    - gloves, lab coats, eye protection, masks, and other PPE
  - Washing your hands
  - No eating or drinking in animal rooms
  - Wearing a respirator if needed
  - Participate in training on LAAs
  - Contact OHS and EHS if you need more information

10/23/2014
• Animal bites and scratches SOP
  • Located by the first aid boxes SC-537 WLS-510

• Please read the SOP
  • Bite and scratch prevention
  • Bite and scratch treatment

• No matter how small the bite or scratch please come and see the ARC staff ASAP
• Protection of Employees by
  • Establishing accepted practices for respirator use
  • Providing guidelines for training and respirator selection
  • Explaining proper storage, care, and use of respirators

• Please read through the handout in folder

• Respirator use for LAAs
  • FIT test required - EHS
  • Please see ARC or James Schabla if a use of a respirator is needed
OHS/EHS - Respiratory Protection Program

- Air-purifying respirators, which remove contaminants from the air
- Half mask / Dust mask
- Disposable N95 mask
  - Most common
  - Filters at least 95% of airborne particles but is not resistant to oil.

10/23/2014
OHS/EHS - Respiratory Protection Program

- Air-purifying respirators, which remove contaminants from the air

- Half mask
  - Clean particles out of the air as you breathe
  - has disposable filters
  - Filters must be replaced when they become damaged or clogged
• Power Air-Purifying Respirator
  • Uses a fan to draw air through the filter to the user
  • Easier to breathe though, but need a fully charged battery to work properly
  • Use the same type of filters/cartridges as other air-purifying respirators
One last note on LAAs and glove use
- After handling an animal or running experiments please remove your gloves
- LAAs can be spread through direct and indirect contact
  - Door handles
  - Surgical equipment
  - Other objects that are touched routinely
- Wash your hands after each session with an animal or group of animals
Glove Removal and Disposal Technique
ACU Training - Reverse Light Cycle Rooms

• Any room that is dark during normal working hours
  • SC - 542, 501, 511, 516B, 508
  • When entering a room that is dark...
    • Locate a red light flashlight and enter room
    • Locate the nearest red light flood light and turn it on (this will provide illumination for the entire room.
• When doing animal health checks
  • Use the red light flashlight to monitor animals after surgery and/or when needing to get a closer look
  • Animals can be moved into hallway if needed due to health concerns
ACU Training - Reverse Light Cycle Rooms

• Animal Transport
  • Animal facility lights (outside of room and hallway) have been lowered enough to be under the 30 foot-candle requirement
    • Light intensity in any procedural room/space should be maintained at or below the 30 foot-candle recommendation
      • Exception - surgery and procedures where light intensity is an experimental factor
      • Surgery recovery - every attempt should be made to have the light intensity at or below 30 foot-candles. If not, drapes, towels, lab coats, covers are recommended over the animals cage while in recovery.
  • Cart covers should be used when available for animal transport
ACU Training - Whistleblower Protection

• MU Whistleblower Protection Statement
  • What is a whistleblower?
    • Employee of Marquette University who discloses, or threatens to disclose, information to a governmental agency of the University activity that is in violation of law, rule or regulation.

• How do I report what I see?
  • If an employee has knowledge of information that is in violation of any law, rule, or regulation, the employee is encouraged to..
    • Contact his/her immediate supervisor
    • Visit the MU EthicsPoint website
    • Or contact individuals in the protection statement

10/23/2014
• Marquette University is committed to make sure the animals well-being is #1

• No consequences will be placed onto anyone that reports a concern

• Marquette University is committed to the integrity of the research and the researcher
ACU Training - Animal Care and Use Manual

• This manual will be e-mailed to each training participant
• Manual goes over the entire animal care and use program
• 15 chapters and includes topics such as
  • Principles for animal use
  • Laws and Regulations
  • Org. structure
  • Protocol review
  • Problem resolution
  • Purchasing animals
  • Animal health management
  • And more
There will be an exam - attached to your e-mail

Open book, true false, multiple guess

Please complete and return to the ARC office
ACU Training - Conclusion

• Attached to an e-mail from austin.fritsch@marquette.edu
  • Risk assessment - complete and sign - return to Austin
  • Animal Care and Use Manual
  • Animal Care and Use Manual Exam - complete and return to Austin

• Please turn back to Austin completed (Risk Assessment and Exam)
• Presenting the Lab animal DVD
• Let’s go see the facility and the animals!!!!