

CORES Newsletter

January 2020

Environmental Health & Safety (EH&S)

The development of the Spokane EH&S department continues. Department members include:

- Merle Heineke, Director, Research Laboratories
- Chad Trent, Industrial Hygienist
- Megan Chastain, Scientific Assistant, Laboratory Safety, Hazardous Material Shipping
- Ze Liu, Scientific Assistant, Radiation Safety, Dry Ice Shipments
- Olga Shiva, Scientific Assistant, Equipment Maintenance

Note: Olga is currently serving as the back-up to Ze Liu. She is also available to provide training of bench techniques for new staff. Please contact her at olga.shiva@wsu.edu or 87873.

Regulations require that laboratory spaces be inspected annually. A majority of the labs have been inspected. The last inspections will be completed by the mid-March. The inspections have identified a number of problems which include:

Building Design and Construction:

- The volume of reagents that would be present was seriously underestimated.
- The flammable cabinets are not vented.
- The space was designed to be assigned in a specific order; this information does not appear to have been communicated to the departments.
- The Building appears to have been designed for life science research

Laboratory Issues:

- There are an excessive number of reagents that are expired or no longer in use. A request should be submitted to have these reagents removed. The form is located at: <https://spokane.wsu.edu/facilities/environmental-health-and-safety/hazardous-waste/chemical-waste-collection-form/>
- Hoods are being used by multiple researchers to store reagents. Incompatible reagents are being stored next to each other.
- The research staff have not received training regarding the chemical hygiene plan, proper handling of reagents, or biosafety manuals.

The EH&S group is working with Facilities and the Administration to address these issues. The Departments are encouraged to consult with EH&S when considering space assignments or remodels in order to assure a safe work environment for all WSU staff and students.

NEW SERVICE – Biomedical Engineering and Design

A new service is available to promote and foster science on the WSU-Spokane campus. This group can help researchers and start-up businesses to leverage their resources by saving on cost and allowing them to innovate more efficiently. The website can be found under CORE Facilities.

Contact Person: Will Clegern (86750 or will.clegern@wsu.edu)

Vivarium

- **Health Monitoring**: The most recent health screen was completed at the end of December. The vivarium continues to be free of all commonly screened-for pathogens.
- **International Laboratory Animal Technician Week** runs from February 2-8th this year. Thank you to our husbandry and technical staff for the dedication, compassion, and care they demonstrate each and every day!
- **Reverse Distribution** of controlled substances is scheduled for Friday, February 21st. If you have substances to be reverse distributed, you must send a list of these items to silbernagel@wsu.edu at least one week prior. License holders must be present with log books and license to reverse distribute substances. Please contact the vivarium with additional questions.
- **Per Diem Rates** will be increasing as of July 1. Finalized rates will be announced in the next 1-2 months. As a reminder, it is best practice to plan for a 3-5% yearly rate increase when proposing studies and submitting grants.
- **IACUC Semi-annual Inspection** will take place in March. Please check for expired materials. The IACUC has updated guidelines and policies posted on their website at <https://iacuc.wsu.edu/>, including new guidelines on compounding drugs and a new policy on expired materials. Please check out these resources.

Contacts: ocv.spokane.vet@wsu.edu

Jennifer Kopanke, DVM (87825) jennifer.kopanke@wsu.edu

Rob Archuleta (87975) robert.archuleta@wsu.edu

For animal emergencies: (509) 592-6884

Flow Cytometry

New users of the equipment need to complete training in advance of conducting actual testing. Depending on past experiences, this may take several sessions to become completely familiar with the equipment and software. Please plan in advance

Contact Person: Ze Liu (87633), ze.liu@wsu.edu

Mass Spec

It is imperative that all users of the Mass Spec equipment document their usage. Expenses divided by the hours of usage determines the rate charged. Failure to record usage results in a higher rate. The CORE is required to be self-sustaining while keeping rates down.

Contact Person: Ze Liu (87633), ze.liu@wsu.edu

Microscopy/Imaging/Histology

Microscopy:

Microscopy has implemented a new calendar system. If you have not received your invitation to the calendar, contact Megan and she will create your account.

Histology:

Please submit samples using the Histology Sample Submission Form available on the CORE website.

Imaging:

Imaging equipment includes radiation producing machines. Make sure you've completed your training through the Radiation Safety Office before planning any work using the IVIS or Quantum.

Contact Person: Megan Chastain (87541 or megan.chastain@wsu.edu)

Genomics

Contact Person: Dr. Yiyong (Ben) Liu (86741 or yiyong.liu@wsu.edu)

NMR

Contact Person: Dr. Zuping Xia (86575 or zuping.xia@wsu.edu)