

# WSU SPOKANE CORES NEWSLETTER

JANUARY 2018

## **Lab Services**

There are new contact persons for the tasks performed by the Lab Services group:

- Shipping Hazardous Goods/Dry Ice: Ze Liu (x87633 or [ze.liu@wsu.edu](mailto:ze.liu@wsu.edu)) or Merle Heineke x(87889 or [merle.heineke@wsu.edu](mailto:merle.heineke@wsu.edu))
- Collection of Hazardous Waste/Sharps Containers: Ze Liu (x87633 or [ze.liu@wsu.edu](mailto:ze.liu@wsu.edu)) or Merle Heineke x(87889 or [merle.heineke@wsu.edu](mailto:merle.heineke@wsu.edu))
- Reporting Problems with Common Equipment (hoods, autoclaves, -80° freezers): Merle Heineke (x87889 or [merle.heineke@wsu.edu](mailto:merle.heineke@wsu.edu)) or Ze Liu (x87633 or [ze.liu@wsu.edu](mailto:ze.liu@wsu.edu))
- Replacement of Empty Gas Tanks (BMedSci and COREs): Barry Worden (x86842 or [barry.worden@wsu.edu](mailto:barry.worden@wsu.edu))

Megan Chastain will be on maternity leave for 3 months being in February. During her absence, contact persons are:

- Microscopy CORE: Ze Liu (x87633 or [ze.liu@wsu.edu](mailto:ze.liu@wsu.edu)) or Merle Heineke x(87889 or [merle.heineke@wsu.edu](mailto:merle.heineke@wsu.edu))
- Histology CORE: Merle Heineke (x87889 or [merle.heineke@wsu.edu](mailto:merle.heineke@wsu.edu))

## **Lab Safety**

A Lab Safety Consultant conducted an inspection of the laboratories this week. Following the inspection, a list of those areas that required attention was developed and prioritized. The first process to be addressed will be the collection of waste materials:

- The proper waste collection bins for autoclavable waste and biohazard waste will be distributed throughout the labs
- The definition of autoclavable waste and biohazard waste will be indicated on each bin
- Once the bins are in place, training will be conducted with each lab group

## **Vivarium CORE**

Contact Person: [ocv.spokane.vet@wsu.edu](mailto:ocv.spokane.vet@wsu.edu)

**Health Reports:** The most recent sentinel testing was completed at the end of December, 2017. All animals are negative for viruses and pathogens.

**New IACUC Protocol Template:** The new IACUC protocol template is available. Please contact either Dr. Dan Montonye or Merle Heineke if you would like assistance with the preparation and pre-review of new protocols.

**Centralization:** WSU is moving forward with the Centralization of all rodent Vivaria. See the attached memo. Additional information can be found at <https://campusvet.wsu.edu/>

Vet Corner: On January 16<sup>th</sup> from 10:00-11:30 in PBS 441 there will be a webinar presented by the American Association for Laboratory Animal Science on how LED lighting effects animals in vivaria. Per their description: “While institutions worldwide are embracing this new technology, little to no information is known regarding the long-term use of LED lighting on animal behavior, physiology and metabolism. The objective of the webinar is to examine these current and new vivarium lighting technologies. Lighting and lighting protocols, as recommended in The Guide, will be addressed, along with the emerging new scientific findings pertaining to LED light and its influence on laboratory animal health and wellbeing.” All who are interested are welcome to attend (PBS 441).

### **Flow Cytometry/Mass Spec**

Contact Person: Ze Liu (x87633 or [ze.liu@wsu.edu](mailto:ze.liu@wsu.edu))

Data Analysis Station: A new computer station was created in the Mass Spec room on the 4<sup>th</sup> floor of PBS. This station is to be used for data analysis. By separating data analysis, the equipment itself will be available more often for actual sample testing. Software on the computer includes:

- Masslyn software for Waters
- Analyst software and MultiQuant for ABSciex 6500
- Kaluza for Flow Cytometry.

### **Imaging/Histology**

Contact Person: Megan Chastain (x87839 or [megan.chastain@wsu.edu](mailto:megan.chastain@wsu.edu))

Microscopes: The Zeiss 1 microscope is currently out of service until repairs are completed.

Histology: A histology CORE has been in place for the Spokane campus for the past year. Equipment includes a cryostat, tissue processor, embedding station with cold plate, microtome, and a stain line. Please contact Megan in advance when planning a project.

**NOTE**: Megan will be on maternity leave from approximately February – April. Please plan ahead for staff that you anticipate will need training for use of the microscopes and for histological projects. Ze Liu and I will be available to help during her absence.

### **Genomics**

Contact Person: Dr. Yiyong (Ben) Liu (x86741 or [yiyong.liu@wsu.edu](mailto:yiyong.liu@wsu.edu))

### **NMR**

Contact Person: Dr. Zuping Xia (x86575 or [zuping.xia@wsu.edu](mailto:zuping.xia@wsu.edu))