

Research Service Center Newsletter

March 2021

Environmental Health & Safety (EH&S)

Chemical Hygiene Laboratory Inspections

Laboratory inspections began in January with one lab being inspected each week. Adequate chemical storage space and the proper storage of chemicals continues to be the most significant finding. Funding has been identified to purchase additional chemical cabinets.

Contacts:

- WSU Spokane Environmental Health & Safety – Phone: 509-358-7621, E-mail: spokane.ehs@wsu.edu
- Merle J. Heineke – Phone: 509-358-7889, E-mail: merle.heineke@wsu.edu
- Megan Chastain – Phone: 509-358-7541, E-mail: megan.chastain@wsu.edu
- Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu
- Chad Trent – Phone: 509-368-6699, E-mail: chad.trent@wsu.edu

Safety Requirements for Photo/Video Shoots

Photos and videos used to illustrate research activities on the WSU Health Sciences Spokane campus should model best practices in safety, including wearing personal protective equipment. When safety precautions portrayed in research images or footage are deemed insufficient by WSU University Communications, those images cannot be used in news releases, marketing collateral, and other external communications, wasting the time and effort of the photographer/videographer as well as faculty/staff time spent participating in the shoot. For that reason, the WSU Health Sciences Spokane Communications Office requests that all participants who are photographed or filmed in a laboratory setting wear **safety eye protection (beyond prescription glasses), gloves, and a buttoned-up lab coat**. In addition, participants must also have [long hair pulled back and beards trimmed and adhere to safety precautions related to jewelry, scarves, and fingernail care](#). Thank you in advance for your cooperation.

Lab Services

The lab services group provides liquid nitrogen to researchers. Due to the recent loss of a large amount of liquid nitrogen, a lock has been placed on the dewar. Researchers needing the lock removed will need to contact us in PBS 009. If liquid nitrogen is needed outside of standard work hours (Mon-Fri, 8 am – 6 pm), please contact us in advance to make arrangements to get the key. We are looking into other solutions to this problem.

Contact:

- Merle J. Heineke – Phone: 509-358-7889, E-mail: merle.heineke@wsu.edu
- Megan Chastain – Phone: 509-358-7541, E-mail: megan.chastain@wsu.edu
- Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Autoclaves

Over the past several months, the performance of the autoclaves in PBS has continued to deteriorate. Currently a one-hour run is required to achieve sterilization. The Service Company has been working with the manufacturer to identify the cause of the problem. Updates will be sent as repairs occur.

Central Store Room

Efforts continue to expand the materials available from Central Store.

Contact:

- Barry Worden – Phone: 509-368-6842, E-mail: barry.worden@wsu.edu

Vivarium/Program of Laboratory Animal Resources (PLAR)

Reverse Distribution: Reverse distribution is scheduled for Thursday, April 1. If you have substances that need to be reverse-distributed, please contact ocv.spokane.vet@wsu.edu for more information.

Hematology Analysis: PLAR is able to offer in-house hematology analysis for labs wishing to include complete blood counts or analysis as part of their experiments. Please contact ocv.spokane.vet@wsu.edu if you are interested in learning more.

Training: In-person training courses are available in a modified format. For everyone's safety, PLAR is following all WSU COVID-19-related protocols, such as practicing social distancing and wearing face coverings to prevent the spread of the novel coronavirus. Training attendance will be limited to one instructor and one trainee. To request training or for additional details, please contact ocv.spokane.vet@wsu.edu.

Contacts, Spokane:

- General PLAR inquiries – E-mail: ocv.spokane.vet@wsu.edu
- Jennifer Kopanke, DVM – Phone: 509-358-7825, E-mail: jennifer.kopanke@wsu.edu
- Rob Archuleta – Phone: 509-358-7975, E-mail: robert.archuleta@wsu.edu
- For PLAR animal emergencies – Phone: 509-592-6884
- Contacts, Main Office (Pullman):
- General Office of the Campus Veterinarian inquiries – Phone: 509-335-6246, E-mail: or.ocv.alert@wsu.edu

- For emergencies if unable to reach the PLAR emergency contact – Phone: 509-330-1871

Research Service Centers

The Microscopy, Flow Cytometry, Mass Spectrometry, and Imaging Research Service Centers have a new calendar system on SharePoint. If you have not received your invitation to the calendar, contact Megan Chastain and she will create your account.

Contact:

- Megan Chastain – Phone: 509-358-7541, E-mail: megan.chastain@wsu.edu

Flow Cytometry

All users please use SharePoint for scheduling laboratory instruments.

<https://emailwsu.sharepoint.com/sites/area57/or/labagenda/SitePages/Lab%20agenda.aspx>

Sony Cell Sorter preventive maintenance will be from March 22 to March 24. Gallios will NOT be available for those days since, according to current policy, the flow room only allows a limited number of people at one time. Please plan your experiment in advance!

We have been given the OK to purchase the biosafety cabinet that allows BSL2 work in the Sony cell sorter. However, it may take months to get the hood installed. We will keep you updated.

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

Contacts:

- Ze Liu – Phone: 509-358-7633, Email: ze.liu@wsu.edu
- Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Mass Spectrometry

All users please use SharePoint for scheduling laboratory instruments.

<https://emailwsu.sharepoint.com/sites/area57/or/labagenda/SitePages/Lab%20agenda.aspx>

Contacts:

- Ze Liu, Phone: 509-358-7633, Email: ze.liu@wsu.edu
- Olga Shiva, Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Microscopy/Histology/Imaging

Microscopy – Please remember to social distance in the microscopy suite. The upright microscope is less than 6 feet from both the inverted and the Leica confocal. Use the new calendars to help others plan their experiments.

Histology – Please submit samples using the [Histology Sample Submission Form](#) available on the Histology Research Service Center website.

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

The Quantum is currently out of service. The problem is due to basic design issues. The company is scheduled to repair the unit at the end of March.

Contacts:

- Megan Chastain – Phone: 509-358-7541, E-mail: megan.chastain@wsu.edu
- Olga Shiva – Phone: 509-358-7873, E-mail: olga.shiva@wsu.edu

Genomics

Contact:

- Dr. Yiyong (Ben) Liu, Phone: 509-358-6741, E-mail: yiyong.liu@wsu.edu
- Dr. Jing Wang, Phone: 509-368-6546, E-mail: jing.wang9@wsu.edu

Nuclear Magnetic Resonance

Contact:

- Dr. Zuping Xia, Phone: 509-358-6575, E-mail: zuping.xia@wsu.edu

Biomedical Engineering and Design (BMED)

The BMED Research Service Center is available to promote and foster science on the WSU Spokane campus. This group can help researchers and start-up businesses leverage their resources by saving on cost and allowing them to innovate more efficiently.

The center now has the ability to 3D print three new types of material: carbon fiber reinforced nylon filament for load-bearing and structural parts, high temperature resistant polymer parts (capable of withstanding 238°C/460°F), and ceramic 3D printed parts (capable of withstanding 1100°C/2012°F). Please email or call if you wish to find out more or would like to discuss a design. You may also fill out the [new work request form](#).

Contact:

- Will Clegern, Phone: 509-358-6750, Phone: will.clegern@wsu.edu