

Shared Resources

Monthly Newsletter



Message from the Associate Director for Shared Resources

- Kent Lloyd, D.V.M., Ph.D.

HAPPY NEW YEAR!

Welcome to our first Cancer Center Shared Resources Monthly Newsletter.

I'm very happy that you're taking the opportunity to read about our shared resources and what is on offer this month.

You'll learn about everything from help with experimental design and planning, to advanced genetic and imaging services, flow cytometry and molecular pharmacology tools, *in vivo* models of cancer, and much more in the upcoming issues.

As a **Cancer Center member conducting cancer-related research**, you are eligible to receive priority services at rates subsidized (10-30%) by the Cancer Center Support Grant (NCI P30 CA093373). And depending on availability, these resources also can be used by researchers across the UC Davis campus community who are looking for access to advanced instrumentation, scientific expertise, technical capabilities, and all other research support resources and services.

Please visit the [Shared Resources](#) webpage for more details on each of our eight shared resources and our one developing shared resource.

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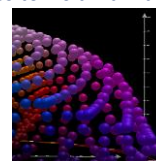
- GSR POP-IN WORKSHOPS
- FACULTY SPOTLIGHT
- FCSR ONLINE COURSE
- BSR VIRTUAL OFFICE HOURS
- SR POST-SERVICE EVALUATION

Shared Resources

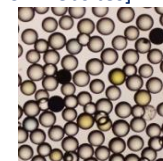
[click on the images to visit individual SR websites]



Biorepository



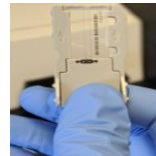
Biostatistics



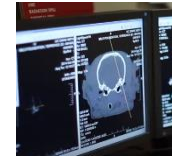
Combinatorial
Chemistry and
Chemical Biology



Flow Cytometry



Genomics



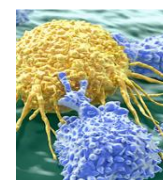
In vivo Translational
Imaging



Mouse Biology



Molecular
Pharmacology



Immune Modeling,
Analysis and
Diagnostics

GENOMICS SHARED RESOURCE (GSR) POP-IN WORKSHOPS

GSR's next-generation sequencing technology is one of the most powerful genomics technologies to emerge in recent years and is accelerating the pace of advances in basic and translational research. GSR staff scientists help clients with samples at any point of the process, whether with already prepared sequencing libraries or in the early stages of a project. GSR has robust data analysis pipelines in place and works closely with clients to get the most out of experiments. Schedule a free [consultation](#) today!

Investigators are also invited to attend the monthly Genomics Pop-in Workshops for presentations on various topics in genomics and to discuss design and approaches for their projects. Join us from **12-1 p.m.** on **Wednesday, February 28** either in person in **CHT Room 1333**, 4610 X Street, Sacramento or via [Zoom](#) to get an overview of NGS applications and more!

Faculty Spotlight - Kit Lam, M.D., Ph.D.

Dr. Kit Lam is Director of the Combinatorial Chemistry and Chemical Biology Shared Resource (CCCBSR). He is an expert in combinatorial chemistry, chemical biology, drug development, molecular imaging, nanotheranostics and medical oncology. His laboratory is engaged in the development and application of combinatorial library methods for basic research and drug discovery. In addition to cancer drug development and drug delivery, he is also interested in exosomes, membrane active peptides, signal transduction, antibiotics development, molecular immunology, chemical microarray, and proteomics.



Dr. Lam is distinguished for revolutionizing cancer diagnosis and treatment and is acclaimed for his pioneering role in the field of combinatorial chemistry and developing the novel one-bead-one-compound (OBOC) technology, which rapidly screens millions of chemicals at one time to identify those that bind to diseased cells.

[Click here](#) to learn more about Dr. Lam and his research interests.

FLOW CYTOMETRY ONLINE COURSE FEBRUARY 5-9, 2024

This popular online course combines information packed lectures and practical laboratory sessions to provide an in-depth understanding of flow cytometry.

One of the most comprehensive cytometry training courses offered in the nation, the course's specific objectives are to:

- teach the fundamental concepts of how flow cytometers work
- discuss best practices in sample preparation for flow cytometry
- describe standard assays and techniques
- introduce new cutting-edge technologies and applications for single cell analysis and genomics
- demystify multicolor cell staining, compensation and analysis

[Click here for registration details.](#)

Scholarships: Five scholarships are available to faculty, post-doctoral researchers, graduate student researchers, undergraduate students and laboratory staff members who are Cancer Center members or who work for Cancer Center member investigators.

Applicants need to submit a short, one (1) paragraph description of their research project.

Email your application paragraph to [Bridget McLaughlin](#) by **6 p.m. January 26.**

BIostatISTICS SHARED RESOURCE VIRTUAL OFFICE HOURS

The Biostatistics Shared Resource (BSR) provides biostatistical support for clinical, population, and basic science researchers.

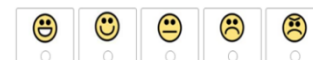
To better support the study design and data analysis efforts of our members, BSR offers weekly office hours in collaboration with the Clinical and Translational Science Center as follows:

- 1st and 3rd Mondays, 1 - 2 p.m.
- Tuesdays, 12 - 2 p.m.

For more information, please contact [Dr. Lihong Qi](#).

[Schedule an appointment today!](#)

Shared Resources Post Service Evaluation



Shared Resource Management is introducing a new bi-annual post-service evaluation to get immediate and anonymous feedback from users. This evaluation has four questions and will only be sent to users who have utilized any of our nine SRs in the last six months. Users who respond to a survey request will be given the opportunity to provide their contact details to be entered into a drawing to win gift cards!

NOTICE TO ALL NIH FUNDED INVESTIGATORS

Shared Resources are funded by the UC Davis Comprehensive Cancer Center Support Grant (CCSG) awarded by the National Cancer Institute (NCI P30CA093373). Publications that have utilized facility resources, services or scientific data generated by shared resources should acknowledge the shared resource or the assistance provided by shared resource staff and cite the NCI CCSG (NCI P30CA093373). An electronic copy of the publication should also be sent to the SR directors.

[National Institutes of Health \(NIH\) public access policy](#)

CONTACT SHARED RESOURCES

For articles or questions, please email: hs-cancercentersharedresources@ucdavis.edu