

Instrumental

A Rogel Cancer Center Shared Resources Newsletter

OCTOBER 2021

Please acknowledge P30CA046592 and Shared Resource Use

MiCORES Services

News and information
about Shared Resources
for Rogel Cancer Center
members



A MESSAGE FROM DR. KELLER

Dear Rogel Cancer Center Members,

As we transition from the kaleidoscope of fall colors to the monotone white of winter, our Shared Resources continue to provide unique and helpful resources. We encourage you to make use of them; if you are not sure how to apply a service to enhance your research, consulting is always available. We are here to help!

I would also like to acknowledge all the Shared Resource Directors and staff for their time and efforts to ensure that our Shared Resources continue to provide outstanding services. Please remember it is vital to acknowledge Shared Resources in your publications. The citation information can be found by clicking on hyperlink in the header.



Thanks for your time,

Evan T. Keller, D.V.M., Ph.D.
Associate Director for Shared Resources
Rogel Cancer Center

UPCOMING EVENTS

Shared Resources Training Seminar

11.4.21 | Noon | [Registration required](#)

Design and analysis of quantitative proteomics experiments" presented by the Rogel Cancer Center Proteomics Shared Resource, directed by [Alexey Nesvizhskii, Ph.D.](#)

SERVICE SPOTLIGHT

Thermofisher Bigfoot Spectral High-Speed sorter

The Flow Cytometry Shared Resource is pleased to announce the addition of the Thermofisher Bigfoot Spectral High-Speed sorter to the MSRB2 and BSRB locations. This machine provides users with the following key benefits:

- Broad excitation options with 350nm, 405nm, 445nm, 488nm, 561nm, 640nm, and Near-IR
- 60 fluorescent detectors for enhanced flexibility in staining assay design
- Real-time spectral un-mixing for cell sorting
- 6-way simultaneous sorting
- Automated setup, unclogging, cleaning, and shutdown for ease of use.
- Software from the team that developed the Bio-Rad Ze5 analyzer for a familiar user experience.



The expertise held by the individuals and leadership within in the Flow Cytometry Core, along with their ability to work collaboratively with me and my research team has been phenomenal. I am confident that this association has allowed me to run a successful research program, one of the first in the world to isolate cancer stem cells from a solid tumor.

- [Mark Prince, M.D.](#)

Questions about how this instrument may enhance your experimental activities can be directed to [David Adams](#) in the flow core.

Those interested in supporting a grant application to replace the existing BDB FACSaria and BDB Fortessa with a BDB S6 Spectral sorter and a BDB Spectral A5 analyzer should also contact David Adams directly.

NEWS AND UPDATES

Shared Resources Training Seminar recording available



The Shared Resources Training Seminar from October 7 was recorded and has been uploaded to Dropbox. Luke Bugada presented his talk *Introduction to CyTOF: 40-parameter analysis of single cells and tissue sections*. [Click here to view the recording.](#) Future events will also be recorded and available to view.

The CyTOF facility is available on MiCORES. [Click here to learn more.](#)

Jennifer Peters, Ph.D., named new Managing Director for the Cell and Tissue Imaging (BRCF Microscopy) Shared Resource

Biomedical Research Core Facilities is pleased to announce that [Jennifer Peters, Ph.D.](#), is the new Managing Director of the BRCF Microscopy Core, effective Aug 2, 2021.

Dr. Jennifer Peters experience includes nearly 20 years of utilizing microscopy and imaging techniques in a variety of settings including academia, the microscopy industry, and research medicine.



She completed her Ph.D. in Bioanalytical Chemistry at the University of Pittsburgh in 2001, where her research involved the study of dopaminergic neurotransmission using in vivo voltammetry. In addition to electrochemical studies, her Ph.D. research also utilized electron microscopy to image the brain tissue surrounding microelectrode implantation sites.

Shared Resources survey results coming soon



Thank you to everyone who completed the Shared Resources survey.

Each year, the Rogel CC conducts an SR survey to assess satisfaction and identify member needs. Numerical ratings are requested for these specific areas: quality and range of SR services, equipment, consultation, and training; turnaround times, access, fees, and overall performance.

Additionally, written feedback is elicited on areas for improvement and suggestions for new SR services.

Results will begin to be shared in January 2022.

We want to hear your feedback!

[Please submit your thoughts about our new internal emails here.](#)

Please forward this message to your fellow cancer center colleagues.

[They can subscribe to these messages here.](#)



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