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CANCER CONSORTIUM NEWS



June 2021

FROM THE CANCER CONSORTIUM

Science Spotlight

We will be featuring Consortium science in our newsletters starting with this edition. Please see the links below describing the work of Consortium members from the Prostate Cancer, Cancer Basic Biology, Breast & Ovary Cancers, and Cancer Epidemiology, Prevention & Control programs as well as from non-program affiliated members.

[New tumor models for the development of bladder cancer therapies](#)

[Machine learning model identifies glioblastoma patients with poor survival prognosis](#)

FROM NCI

NCI is offering opportunities for Physician-Scientists interested in transitioning to an independent investigator conducting basic, translational or patient-oriented research. This highly competitive program offers

- A mentored three-to-five year independent research program Extensive resources supporting innovative, high-impact bench-to-bedside research in the world's largest hospital devoted exclusively to clinical research Competitive salary and loan repayment opportunities
- Opportunity to serve as principal investigator on clinical trials
- A highly collaborative environment with access to a broad range of scientific and clinical expertise and cutting-edge medical technologies

See the attached [flyer](#) for more information.

FROM THE OFFICE OF COMMUNITY OUTREACH AND ENGAGEMENT

The Office of Community Outreach & Engagement held the 2021 Pathways to Equity Symposium: “Racial Justice, Health Equity & Community Engagement” on Friday, May 21, 2021 from 8:30 AM – 12:30 PM. Speakers addressed the critical role of racial justice in health equity and the roles of community engagement in cancer care and cancer health equity. You can check out the recording, which includes a fantastic keynote presentation by Dr. Edith Mitchell, [here](#).

In addition, the annual Pathways to Equity Symposium included the presentation of the Beti Thompson Community Health Trailblazer & Cancer Health Equity Research Awards. The 2021 Beti Thompson Award recipients are:

- Health Equity Research Award: Yaw Nyame, MD, MS, MBA
- Community Health Trailblazer Award: Consuelo Rodríguez de Negrete, MD



Cancer Health Equity NOW Podcast

Since the last newsletter, the Office of Community Outreach & Engagement’s “Cancer Health Equity NOW” podcast, hosted by Community Health Educator Danté Morehead has released two new episodes:

- May – Episode 8: The COVID-19 Clinical Research Center & Clinical Research Studies (Featuring Dr. Rachel Bender Ignacio, Dr. Alex Lankowski, and Community Health Educator Liszet Bigelow)
- June – Episode 9: Increasing Diversity in STEM & Healthcare: Creating Pathways for Students & Education (Featuring Dr. Jeanne Chowning, Kate Ceronsky, Community Health Education Manager Hallie Pritchett, and promising student/intern Roberto Ramirez)

Check these and other past episodes at <https://cancertheequitynow.libsyn.com/>

FROM THE CONSORTIUM SHARED RESOURCES

Comparative Medicine shared resource

New MicroCT Unit

The micro CT unit is up and running at the Steam Plant. This x-ray based, high resolution, 3-D anatomical imaging system is optimized for studies of the lung and bones. The micro CT serves as an ideal replacement for MRI for these study types.

The Quantum GX2 micro CT imaging system offers the capabilities of high speed, low dose scanning to allow for longitudinal in vivo imaging for multiple species, as well as high resolution ex vivo scanning. Click [here](#) to learn more about the Quantum GX2 micro CT imaging system.

Smaller cohorts (<20 mice) can be transferred to and from the Steam Plant for imaging on the same day to allow for other scheduled procedures to continue as planned. If you would like to use the micro CT for your research, please reference Comparative Medicine's micro CT procedure template to add this instrument to your lab's IACUC protocol.

Please contact the [Small Animal Imaging team](#) if you would like to request information about the micro CT and transportation to the Steam Plant if necessary. [Brianna Wrightson](#) and [Elena Carlson](#) will be available to schedule imaging requests for labs with IACUC approval.

New EchoMRI in Comparative Medicine



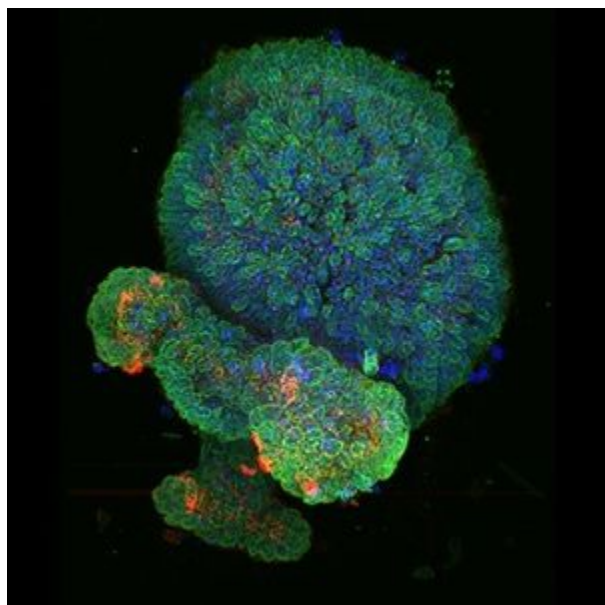
The EchoMRI whole-body composition analyzer is available for research use in the Fred Hutch Day Campus Vivarium. The [EchoMRI](#) takes direct measurements of total body fat, lean mass, free water mass, and total body water mass in live, awake animals. The Echo does not require any anesthesia, making scanning fast and easy with minimal impact on research animals. The Echo is simple to operate and is the most cost-effective of all instrumentation in Preclinical Imaging. Numeric body composition measurements are logged and can be referenced again later at any time, and repeated measurements yield no side effects upon research subjects. The Echo is a stand-alone unit with no radiation or toxicity issues.

Please contact [Brianna Wrightson](#) and [Elena Carlson](#) on the Preclinical Imaging team (formerly known as Small Animal Imaging) if you would like to schedule a training or if you have any further inquiries

Cellular Imaging shared resource

New Spinning Disk Confocal Microscope in Cellular Imaging

The Cellular Imaging Shared Resource has installed a new state of the art Spinning Disk Confocal microscope. The Andor Dragonfly microscope is a versatile multi-dimensional imaging platform offering high-speed/sensitivity spinning disk confocal imaging and laser-illuminated widefield imaging.



This system allows for high-resolution confocal imaging of live or fixed samples of single cells and organ with fast acquisition. Please feel free to reach out to core director Peng Guo at imaging@fredhutch.org to get trained on this exciting technology.

Genomics shared resource

Heart of the Hutch: Phillip Corrin

In a recent Hutch News Story, Philip Corrin from Genomics was in the spotlight of an article regarding his contribution of essential work on campus. Come take a look and show your support for Philip.

Click [here](#) to view the Hutch News Article.

2021 AAALAC Site Visit

Fred Hutch has been an AAALAC International accredited institution since 1979, demonstrating our high standards for laboratory animal care. Every 3 years, AAALAC representatives review our program through a site visit to continue the accreditation. The next AAALAC site visit is in July 2021. AAALAC is a nonprofit organization that promotes excellence in the care for animals in science. Fred Hutch participates voluntarily in this accreditation and assessment program to show our commitment to responsible animal care and use. Through this accreditation process, we join more than 1,000 other institutions across the world to show we take extra steps for the welfare of our animals.

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