

The Medical Imaging Technology Development Core (MITDC) of the OU COBRE in Cancer Imaging Invites You to Attend:

Workshop Series on MITDC Shared Equipment:

Vevo F2 Ultrasound and Photoacoustic Imaging System (FUJIFILM VisualSonics)

<https://www.visualsonics.com/product/imaging-systems/vevo-lazr-x>

Presented by Dr. Qinggong Tang's lab

Day/Time: July 19th, 2024; between 2pm- 4pm.

Venue: 423 Gallogly Hall, 173 Felgar St., Norman, OK 73019

This workshop series aims to highlight the capabilities of new MITDC shared imaging instrumentation available to the OU and OUHSC scientific community working in cancer research topics. Please join us to learn more about these powerful imaging technologies as well as to share your research interests and imaging technology needs.

The Vevo F2 LAZR-X combines ultra-high-frequency and low frequency ultrasound (US) imaging with photoacoustic (PA) capabilities in a convenient all-in-one platform. While US provides high resolution anatomical imaging, PA provides co-registered real-time oxygen saturation and molecular imaging. Thus, the Vevo F2 can serve the entire in vivo oncology imaging workflow from precisely inducing orthotopic cancer models, to detecting pre-palpable lesions, monitoring tumor development, and assessing response to therapy. Moreover, the real-time oxygen saturation and molecular imaging capability will allow obtaining functional change and quantify drug biodistribution from intra-tumoral to whole body, thus, providing a comprehensive view of the tumor response to anti-parasitic drugs.



We will demonstrate Vevo F2 ultrasound and photoacoustic imaging system for their capabilities and availability. All are welcome, please register:

https://ousurvey.qualtrics.com/jfe/form/SV_afxVvRs3TRPc97w

If you have questions, please contact Dr. Qinggong Tang: qtang@ou.edu and Dr. Yuhua Li at yhli1500@ou.edu.