

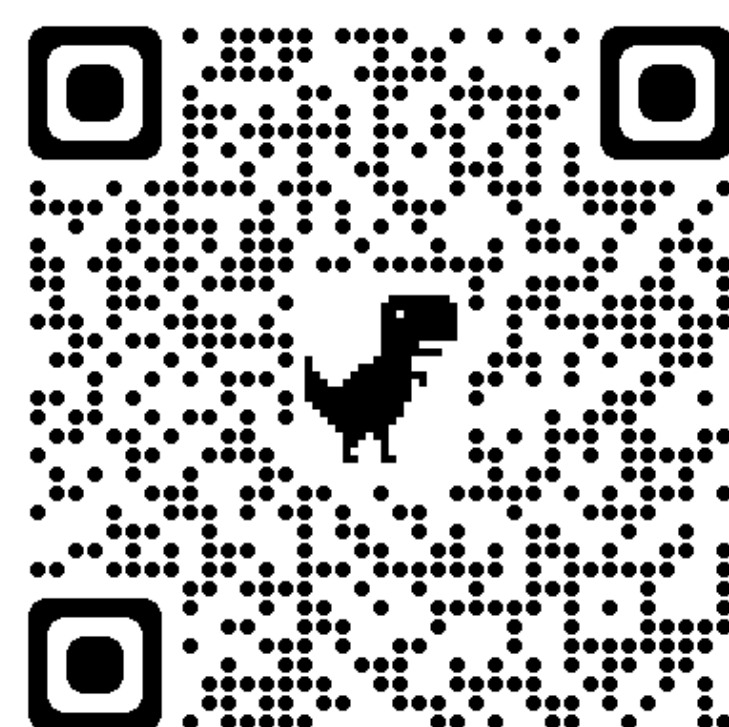
## Services and Operation

- Provide state-of-the-art multimodality imaging for translatable studies in animal models, and support IND's for transition to human imaging studies.
- Provide consultation and training to UAB Cancer Center members for molecular, functional and anatomical imaging in preclinical cancer models.
- Provide assistance to users with unique imaging needs for multiple species.
- Develop novel imaging technologies and acquire new instruments.
- Offer affordable services of preclinical imaging which can be translated into clinical applications with ease.

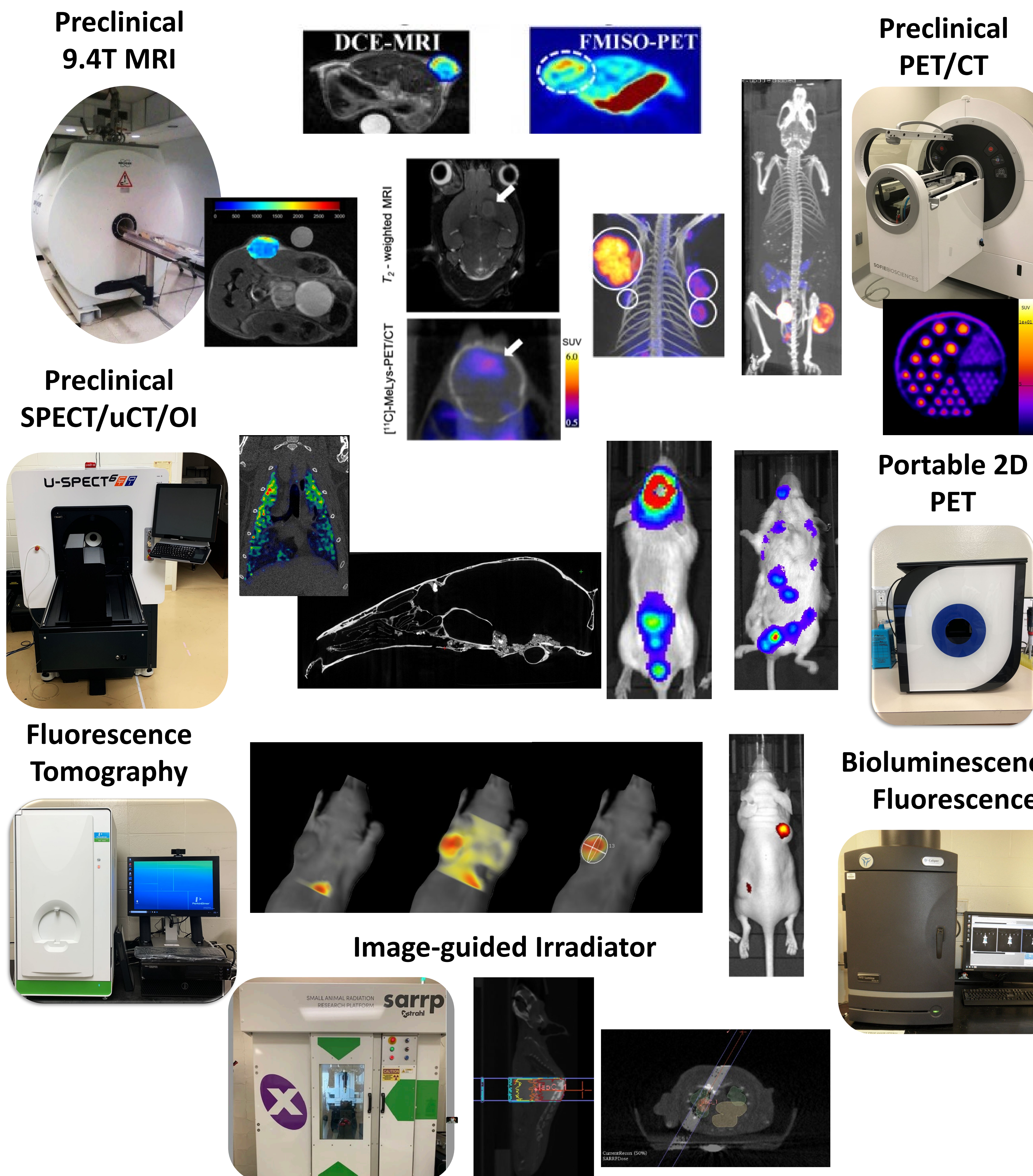
## Researcher Benefits

- An overarching IACUC umbrella protocol is provided to reference for ease of incorporation of preclinical imaging into research in vivo studies.
- Multiple modalities may be utilized to generate structural and functional results.
- Novel models may be imaged with specialized protocols developed with core assistance.
- Multiple instruments are available for fluorescence imaging, including tomographic capabilities.
- Repeated imaging studies are cost-effective because data is collected in the same animals over time without termination.
- Imaging data is more beneficial to evaluate treatment efficacy, since the response can be monitored in real-time in the same animals.
- The entire animal is examined, providing information that would not otherwise be obtained.

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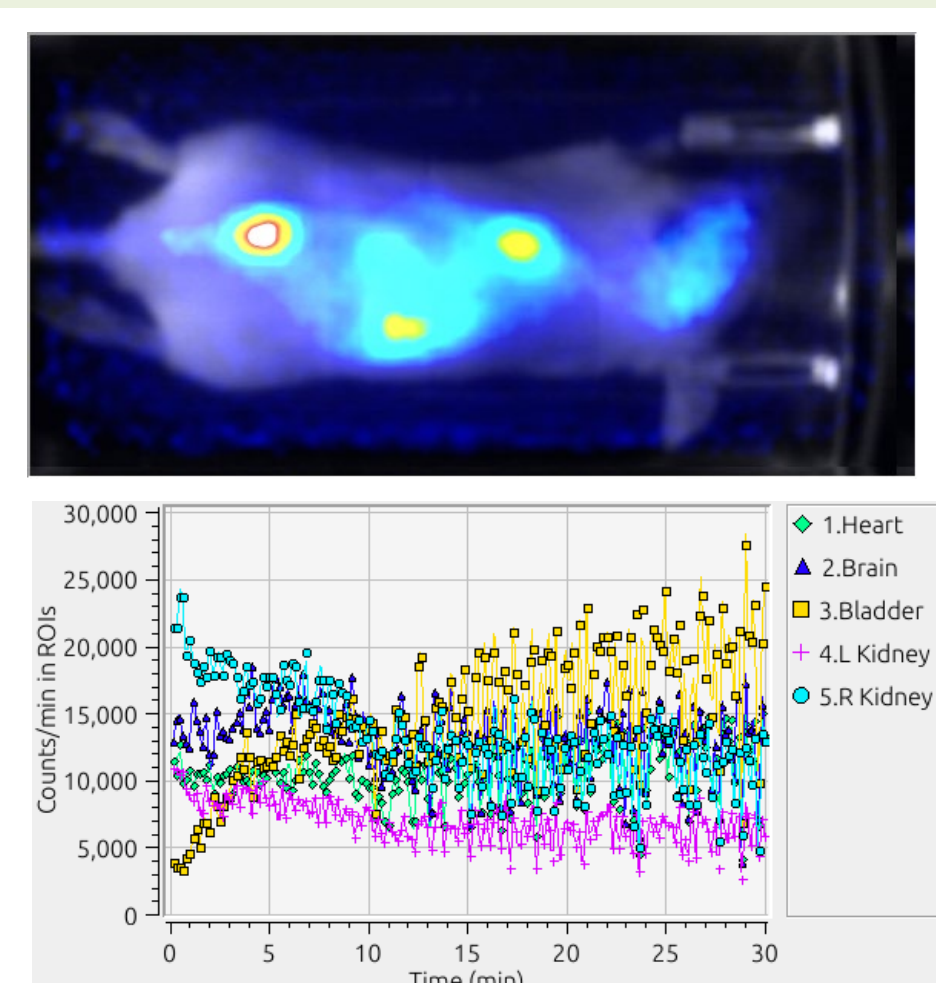
## Preclinical and Multimodality Imaging



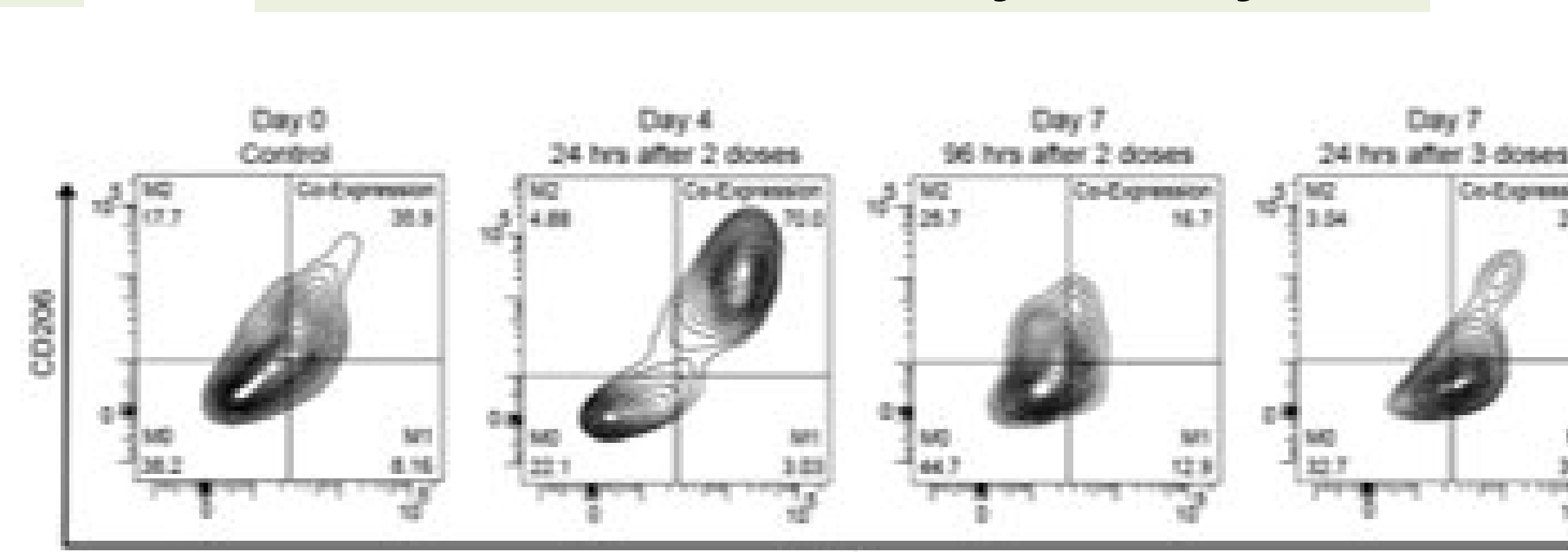
## Biological and Supportive Assays and Image Analysis

- In addition to imaging, the core offers support for a number of secondary methods for validation of imaging data. Following the collection of preclinical data, additional measures can be taken, even on radioactive samples.

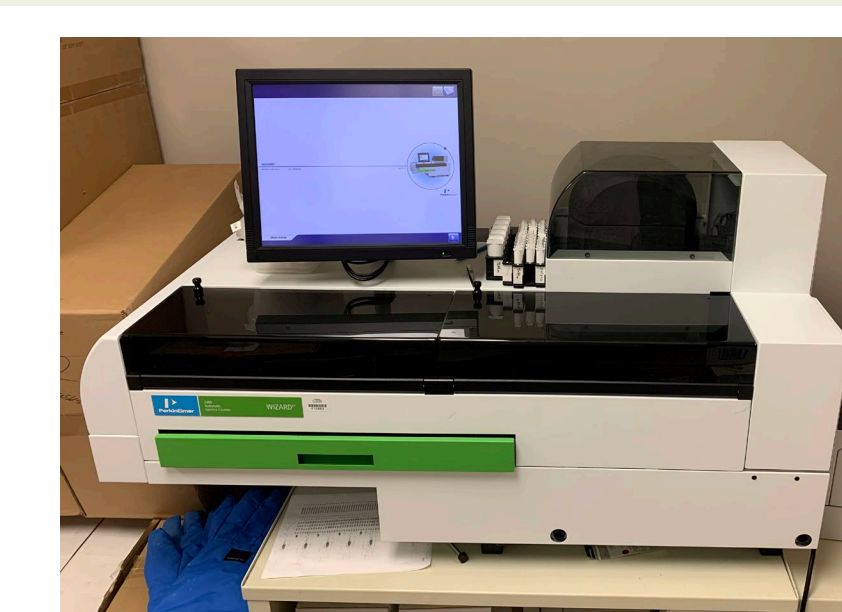
### Analysis support



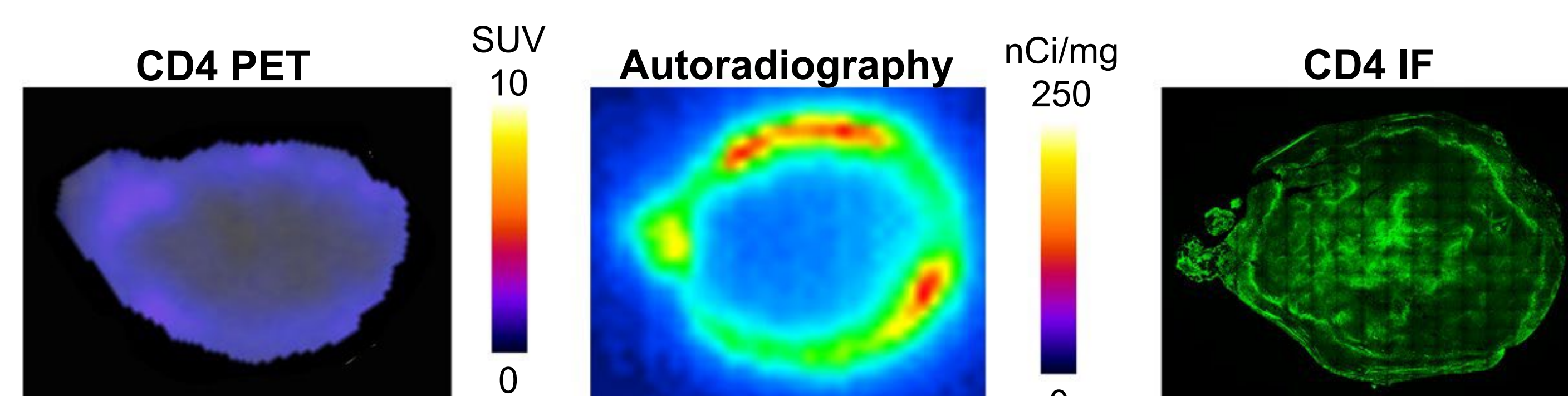
### Radioactive flow cytometry



### Biodistribution post Imaging



### Post imaging autoradiography



## Highlights

### Improved Imaging Services:

- SARRP installation (preclinical image-guided irradiator)
- U-SPECT/CT/OI system installation in December 2022

### Project Development:

- Collaborate with the UAB Cyclotron Facility for specialty radiolabeling and conjugation
- Test and confirm the use of newly produced radiotracers
- Instrument modification to allow unique animal research and experimental conditions
- Personal consultation available to customize unique experiment designs
- Image analysis available for data interpretation

## Fee Schedule

MODALITY	COST
Bioluminescence	\$60/hour, No substrate \$80/hour, Core substrate
Fluorescence	\$60/hour
Ultrasound	\$75/hour
MRI	\$200/hour
SPECT/CT	\$200/hour + dosing
PET/CT	\$200/hour + dosing
Specialty Fluorescent Imaging	\$100/hour
Flow Cytometry	\$35/hour, non-assisted \$50/hour, assisted
Staff Image Analysis/Assistance	\$45/hour



Anna Sorace, Ph.D. Director  
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Jordyn Wheeler Program Manager



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Paris Maddox Researcher II

The imaging core is supported by the O'Neal Cancer Center grant P30CA013148 and S10 Instrumentation Grants 1S10OD021697 and 1S10OD030465.