

Advanced Molecular Imaging Services for the California Institute for Regenerative Medicine (CIRM) Alpha Clinics Network

The mission of the **Molecular Imaging Center at Sanford (MICS)** is to advance state-of-the-art in vivo preclinical imaging and spectroscopy techniques to better understand tissue and organ function, and to make these tools available to the greater biomedical research community.

On a limited basis, the imaging center will also provide advanced training opportunities in in vivo preclinical imaging methods including allowing observations of scanning and training in image analysis.

INSTRUMENTS AVAILABLE

11.7 T Horizontal Bruker BioSpec MRI

**Bioluminescence/fluorescence Perkin Elmer
IVIS Spectrum system with 3D imaging and
spectral unmixing**

**PET/SPECT/CT integrated trimodal Siemens
Inveon preclinical system**

Ultrasound Visualsonics Vevo 2100

VALUE TO SPONSORS

Quantitative cell tracking “in vivo cytometry”
using clinically translated perfluorocarbon
nanoemulsion (CS-1000) and a next
generation imaging probe

**¹⁹F MRI iron PFC chelate nanoemulsion
(FETRIS)**

Cellular inflammation visualization for
quantitation of drug response

To discuss how we can provide services for your CIRM Alpha
Clinic Network trials, please contact us at eta@ucsd.edu