

For Immediate Release

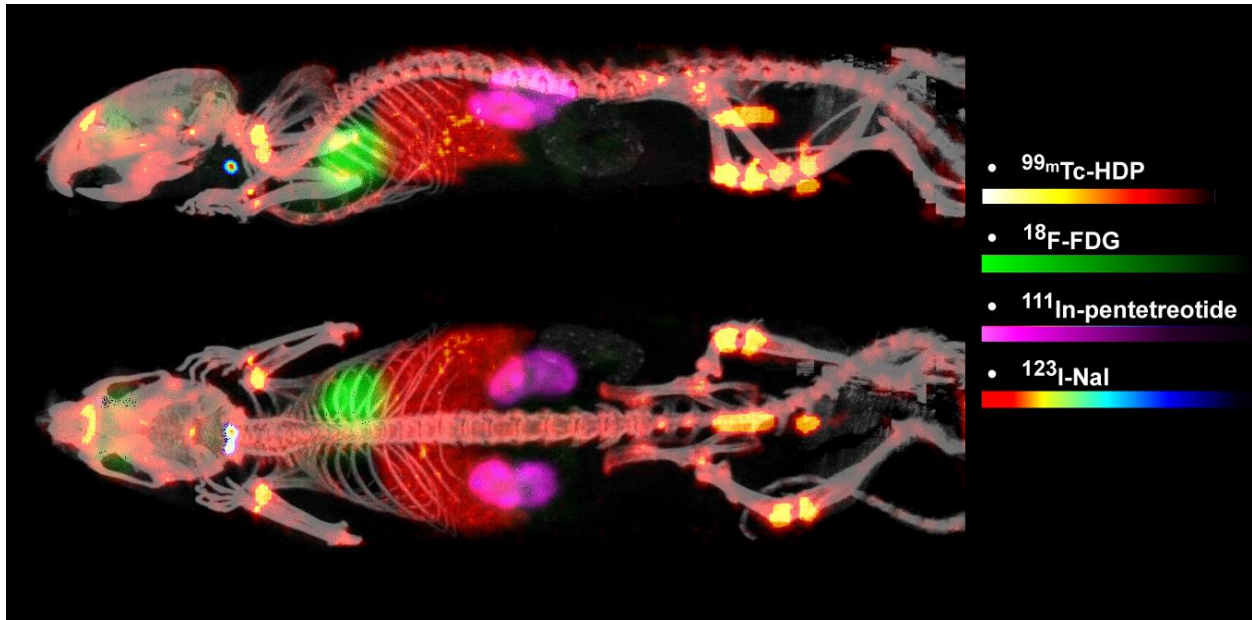


The University of California – San Francisco to Install MILabs VECTor⁴CT in Support of Expanding Molecular and Functional Imaging Research

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The Center for Molecular and Functional Imaging (CMFI) at the University of California – San Francisco will install the MILabs VECTor⁴CT in support of a large number of NIH funded research projects in the areas of oncology, neuroscience and drug discovery/development. The UCSF Department of Radiology and Biomedical Imaging invested significant resources in establishing the CMFI in 2003. Major research efforts at CMFI include translational nuclear medicine imaging research using both SPECT/CT and PET/CT. Utilization of the VECTor⁴CT will benefit from the CMFI installed medical cyclotron, state of the art radiopharmaceutical laboratory and in-house vivarium all under one roof.

The NIH funded PI on the project is Youngho Seo, PhD. UCSF researchers will benefit from the ability of the VECTor⁴CT integrated PET/SPECT/CT system to perform very high resolution SPECT (0.25mm) combined with high-resolution CT scans, including fast dynamic imaging plus high-sensitivity and high-throughput capabilities. Since the VECTor⁴CT is equipped with state-of-the-art Adaptive PET technology, the system is also capable of capturing small structural patterns of radiopharmaceuticals labeled with positron emitters resulting in high-energy (511keV) annihilation photons. Adaptive PET enables the ability to image these PET photons at sub-mm resolution (0.75mm), which is a desired benefit for the UCSF researchers. This gives VECTor⁴CT a capability not possible with conventional coincidence PET scanners.



About The University of California, San Francisco

The **University of California, San Francisco (UCSF)**, is a center of health sciences research, patient care, and education; located in San Francisco, California, and is widely regarded as one of the world's leading universities in health sciences. Though one of the 10 campuses of the University of California, it is the only UC school dedicated solely to graduate education, and in health and biomedical sciences. With a work force of 22,800 people and annual economic impact of \$2 billion, UCSF is San Francisco's second largest employer. Founded in 1873, the mission of UCSF is to serve as a "public university dedicated to saving lives and improving health." The UCSF Medical Center is consistently ranked among the top 10 hospitals in the United States by *U.S. News & World Report*, who also ranked UCSF's medical school as one of the top 10 in a number of specialties, including a specialty program in AIDS medical care ranked first in the country.

About MILabs

MILabs provides high-end molecular imaging solutions for biomedical and pharmaceutical research. Today these systems contribute worldwide to the development of new diagnostic solutions and therapies for diseases such as diabetes, cancer, cardiac and neurodegenerative diseases. As documented in over 100 peer-reviewed scientific articles, U-SPECT⁴ provides the fastest, most sensitive and highest resolution small-animal SPECT system currently available. Recently MILabs fused state-of-the-art Adaptive PET with its SPECT technology by introducing VECTor⁴CT. This versatile nuclear imaging system is extremely user friendly, fully integrated and enables simultaneous ultra-high resolution PET/SPECT imaging in combination with a choice of in-line low-dose high-resolution CT subsystems. For more information, visit www.milabs.com.