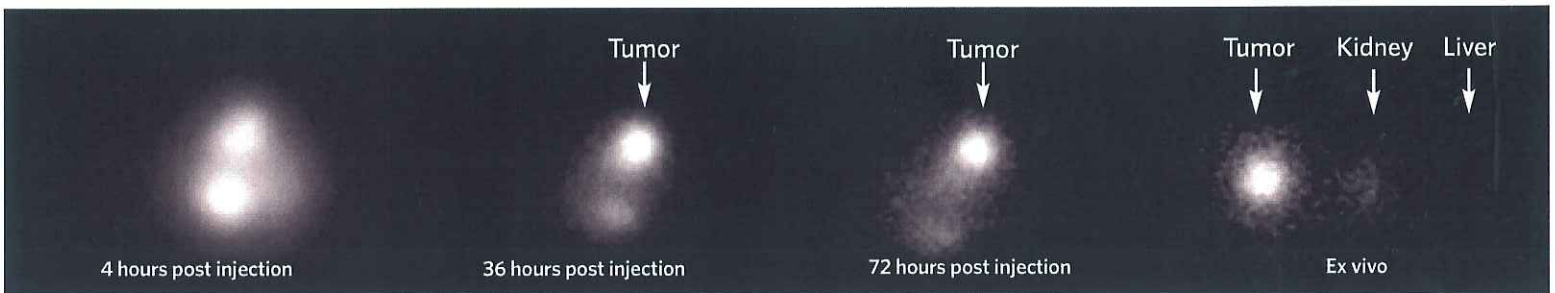


### Multimodal Maps Using Programmable Time Lapse Capture

(30 second exposures with 100 sec intervals)

Tracking intra retro-orbital injection of <sup>111</sup>Indium labeled probe

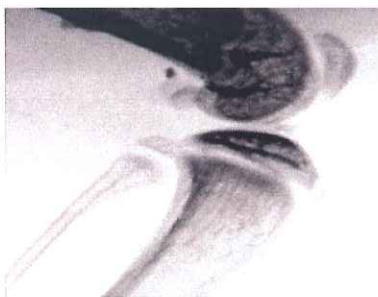
Courtesy of: Dr. S. Achilefu, Washington University School of Medicine



### Radioisotopic Imaging:

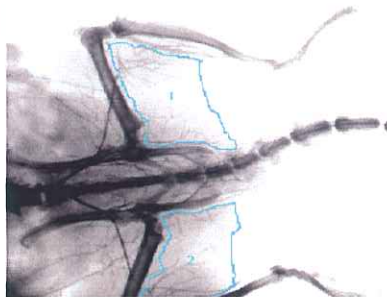
Biodistribution in <sup>111</sup>DTPA-43-octreotate (BS 203) in A427 tumor bearing mouse

Courtesy of: Dr. S. Achilefu, Washington University School of Medicine



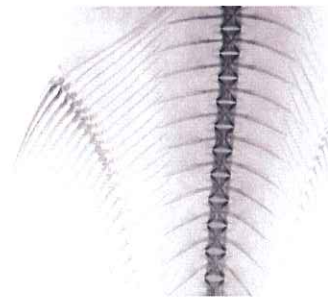
### Mouse Knee Joint X-ray, Zoomed

Subject: Live mouse  
X-ray Energy: 35 kVp  
FOV: 35 mm  
Filter: 0.5 mm



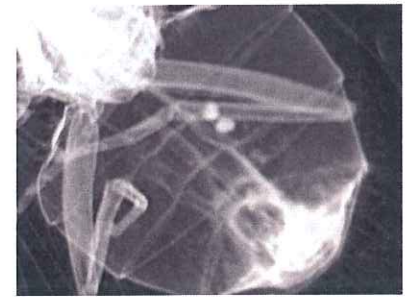
### Radio-opaque Barium X-ray with Region of Interest Analysis

Subject: Live mouse  
X-ray Energy: 35 kVp  
Exposure Time: 60 seconds



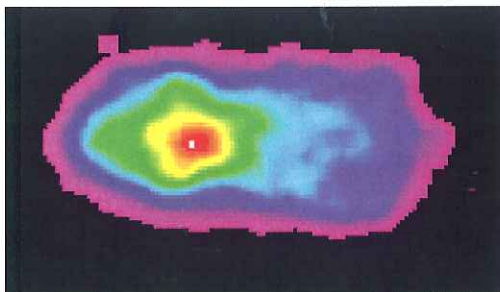
### Fish X-ray

Subject: African mormyid  
X-ray Energy: 35 kVp  
FOV: 40 mm f-stop: 4  
Filter: 0.2 mm  
Courtesy of: Dr. P. Moller, Hunter College



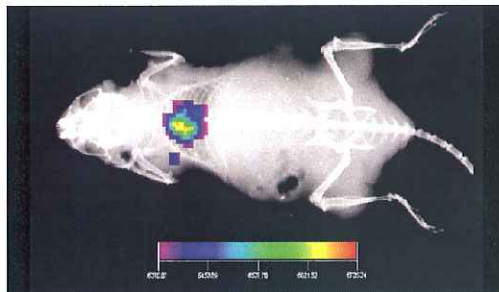
### Small Insect Imaging

Subject: House fly abdomen  
X-ray Energy: 35 kVp  
FOV: 30 mm Magnification: 2.2x  
Exposure Time: 200 seconds



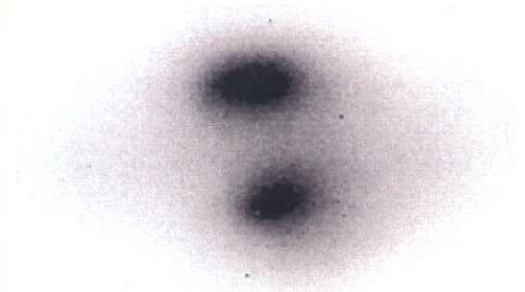
### <sup>18</sup>F Labeled FDG (pseudocolored)

Subject: Live mouse on Radioisotopic Phosphor Screen  
FOV: 100 mm  
Exposure Time: 500 seconds  
Courtesy of: Dr. B. Krishnan, Bristol-Myers Squibb



### <sup>18</sup>F Labeled FDG Overlaid on X-ray

Strongest signal from heart due to high metabolic activity necessitating absorption of blood sugar



### Technetium 99 Labeled Probe

Subject: Live mouse on Radioisotopic Phosphor Screen  
FOV: 100 mm  
Exposure Time: 5 minutes, 2x2 Binning  
Courtesy of: Dr. Sadeghi, Yale University