



FROM VISION TO DECISION



SEMINAR FRIDAY 23.03.12

PLACE: Aud. 4, BBB

TIME : 12:00-13:00

TITLE:

Ultrasound, Strain imaging and Haptics

CHAIRMAN: Odd Helge Gilja

SPEAKERS:

1200: Strain imaging of the heart.

Knut Matre, Institute of Medicine, UiB

1215: Haptic Imaging

Ivan Viola, Dept. of Informatics, UiB

1230: Elastography of the pancreas

Roald F. Havre, , Institute of Medicine, UiB

1245: Presentation of the new Visualsonics small animal scanner

Kim Nylund, Institute of Medicine, UiB

Spiros Kotopoulos, National Centre for Ultrasound in Gastroenterology, HUS, and
Dept of Physics and Technology, UiB

Jose Gomez, Institute of Medicine, UiB



Presentation of the new Visualsonics small animal scanner

The VisualSonics Vevo2100 is a state-of-the-art ultrasound-imaging scanner designed for visualization and quantification of small animal anatomical targets. The Vevo2100 system and software provides an excellent platform for cancer, abdominal, cardiovascular, dermatological, developmental biology, inflammation, neurobiology research in small animals and many others due to its capabilities of imaging down to spatial resolutions of 30 micrometres using frequencies up to 55 MHz. It can image at frame rates of 1000 fps and perform typical ultrasound imaging modalities like colour Doppler, M-mode and more. It allows for 3D reconstructions of organs and calculations of vasculature. Such features and more will be presented and explained.

Vevo2100 is located at the Animal Facility at UiB and can be booked through the Molecular Imaging Center. A short description of booking procedure and prices will also be given.