

Visualsonics Ultrasound Scanner

Terms of Use

The acquisition of this scanner is a joint venture between University of Bergen, Haukeland University Hospital and MedViz (www.medviz.uib.no). The scanner is located at the 2nd floor of the Vivarium in the small animal operating theatre. In principle, the use of the scanner is open to everyone. However, a competent operator is needed to run the instrument and an approved research protocol is mandatory for research in animals.

Use of instruments & equipment

Through booking pages, users can book and access the scanner around the clock as long as adhering to terms of use and existing regulations of the Vivarium.

Assisted use by technical personnel

For researchers that themselves do not have the skills or time to carry out preparation, imaging or analysis themselves, assistance of skilled technical staff must be arranged before starting scanning.

User information

Our terms of use regulate the rights and obligations of users. By booking our instruments or using our services you accept our terms of use.

- New users will need an introduction to the equipment and the rules related to it.
- Booking of the equipment before use is compulsory.
- While booked, you are responsible for the equipment, even if you do not use it.
- If you are not sure how to operate the equipment, ask responsible personnel.
- Remember to fill in the logbook: date, name, time, etc.
- Notify responsible personnel of any failure on the system.
- If you are the last user of the day, switch off the system following the guidelines of the equipment.
- Data should not be saved on the local hard disks of the scanner for longer period than the study lasts.

Image Analysis and Visualisation

Scientific imaging consists of three steps, each of which contributes equally to the accomplishment of an experiment and the generation of scientific data: (i) sample preparation, (ii) image acquisition, and (iii) image processing and analysis. The effect of the last point is often overlooked, because often people misunderstand scientific imaging tools as photo cameras rather than measurement devices. There are a variety of possibilities to get the most out of your data. First, you can use the dedicated PC workstation to analyse your data. Furthermore, you can collaborate with researchers in the MedViz network, e.g. to design programme code for your image analysis problem or improve visualisation.