



FROM VISION TO DECISION

NEWSLETTER

YEAR 5, NUMBER 03



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Dear MedViz Supporter

We have had the pleasure of preparing the current Easter issue for your holidays. MedViz Newsletter is recommended reading in the snowy mountains or on a sailing boat at the ocean, eventually accompanied by Kvikk lunch and oranges. Anyway we hope you find inspiring links to our recently arranged workshop on modeling of flow in live tissue. But first of all, we would like to draw your attention to an interview with the Board Chairman of MedViz, Professor Jarle Rørvik. Have a nice Easter holiday!

Interview with Professor Jarle Rørvik



Professor Jarle Rørvik (left) and Professor Arvid Lundervold.

Background

Professor Jarle Rørvik was born in Ålesund in 1954. -At age 7 our family moved to Volda where I later attended the so-called "landsgymnas" (high school). The teachers were very well qualified and inspired us to continue with university studies. Traditionally, quite many continued with lector education in Oslo or went to Trondheim to become civil engineers, Jarle says.

-So why did you start on medical education?
-I think that I chose medicine for two reasons.

First, I had a very positive experience as patient for six weeks at a hospital after I broke my femoral bone in a downhill ski accident. Secondly, several of my friends also decided to go to Bergen to study medicine in 1975, Jarle memorize.

-The first room I rented as student at Sletten was quite small and sparsely furnished. Fortunately, I had been used to load and unload clipfish during holidays when I was younger, so I did not mind sleeping at the floor. Later, I first moved to Fantoft, then finally to Alrek student apartments, quite near Haukeland University Hospital (HUH), Jarle adds. [Read the interview with Rørvik](#)

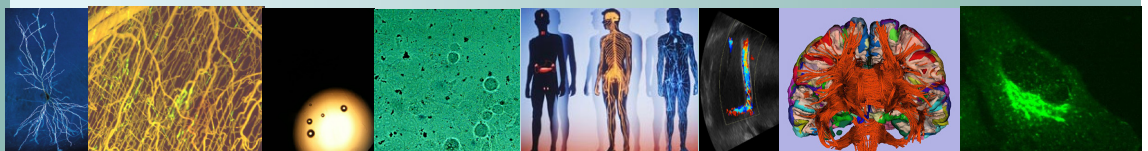
Highlights from a workshop on modelling of flow in live tissue

MedViz was co-organizer of the workshop together with IRIS, UiB and CMR, where the workshop took place and gathered around 30 participants. Two of the invited speakers were Dr. Steven Sourbron from Faculty of Health and Medicine at University of Leeds, England and Professor Jan Martin Nordbotten from Dept. of Mathematics, UiB. Several presentations were given and the participants took actively part in the discussions. This was also the first joint workshop between MedViz and IRIS, who previously has been fully occupied with data assimilation-applications within meteorology, oceanography, hydrology and in particular within reservoir modeling. Through their new Pumps & Pipes concept IRIS has decided to contribute with research within medicine, based on their heavy knowledge within petroleum research. NordicNeuroLab AS from the medical equipment and software industry also participated at the workshop. In addition to gaining a deeper insight into the M2M (Mathematics to Medicine) approach for understanding flow and perfusion in both the brain and the abdominal organs, the partners agreed to develop further scientific cooperation within this field. This might in turn show significant future results in a variety of health related challenges. One of the slides from Professor Arvid Lundervold, Dept. of Biomedicine, UiB illustrated the scales of a typical 55 μ l fMRI voxel, each containing 220 km (!) of axons (see page 2).

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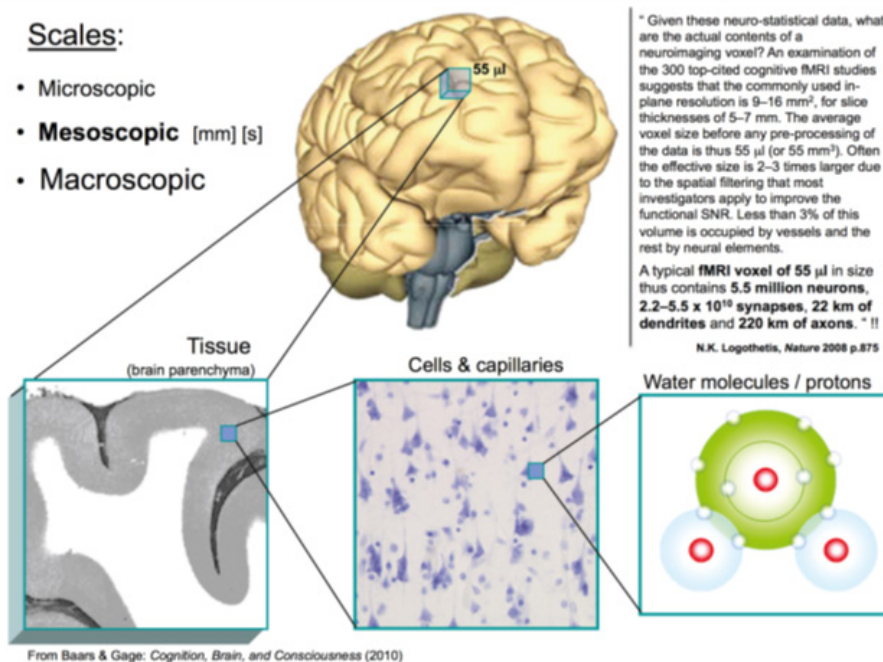
HELSE BERGEN
Haukeland University Hospital



Voxels and their constituents in brain MRI

Scales:

- Microscopic
- **Mesoscopic** [mm] [s]
- Macroscopic



Please, find the presentations here: <http://folk.uib.no/eha070/FlowInLiveTissueWorkshop/>

The Workshop was well organized by postdoc Erik Hanson, Dept. of Mathematics, UiB and postdoc Erlend Hodneland, Christian Michelsen Research and MedViz.

Visit from Portugal



Tiago Cúrdia Gonçalves from Portugal has recently visited the Section of Gastroenterology at Haukeland University Hospital for two weeks to learn more about an ultrasound technique, namely liver Doppler ultrasound. He is working in Guimarães (158.000 citizens), 50 km from Porto. [Read the interview with Tiago Cúrdia Gonçalves here.](#)

MD Tiago Cúrdia Gonçalves in the Ultrasound clinic.

Upcoming events

06. April: Big Data: Technology, Analysis & Applications. Bergen Biostatistical Seminar, by Klaus Johannsen, UNI Research Health, Nygårdsgt. 114, Bergen (sharp at 11:00 – 12:00).

<http://www.helse-bergen.no/no/OmOss/Avdelinger/kkf/Sider/Bergen-Biostatistical-Seminar---Bbiss.aspx>

08. April: MedViz Seminar: Network building and cross-sectional cooperation. Prof. Eyvind Rødahl: MOF Strategy. Dr. Imke Schneeman: Example of a successful health research – industry network in Germany. Sciences Director Alf Henrik Andreassen: Scientific Cooperation at HUH in a Strategic Perspective. <http://www.medviz.uib.no/> See: Seminars 08.04.2016

14. – 15. April: 2nd Symposium of Bridging Nordic Imaging and the 1st Cellular Imaging workshop in Gothenburg, Sweden. <http://ccigothenburg.com/>

02. – 03. May: Medical information revolution – from an average patient to an individual. Førde Central Hospital, Auditorium. <http://www.fjordomics.com/program/>

9. – 10. May: Nordic Health Research and Innovation, NRI Conference: Moving further with Medical Tailoring. The Conference also includes a parallel Workshop on Impact of Imaging and Visualization in Future Medicine & Health Care. **Radisson Blu Airport Hotel, Oslo Gardermoen.** <http://nordicnetworks.org/nri-conference/program/>

7. – 9. September: MedViz and VCBM joint Conference, Bergen. <http://medvizvcbm.uib.no/>
Facebook event: <https://www.facebook.com/events/770818463024537/>
Facebook page: <https://www.facebook.com/medvizvcbm/> (like it!)



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