



FROM VISION TO DECISION

NEWSLETTER

YEAR 3, NUMBER 6

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Dear MedViz Supporter

It is a pleasure to announce that UH-nett Vest has assigned 100.000 NOK to a cross-disciplinary group of researchers, several representing MedViz, to work on a project on computational medicine, numerical models for medical images and signals, coordinated by Professor Arvid Lundervold. A further presentation of the project will be given in the next issue of the Newsletter. The current Newsletter has a short reportage from our stand at Forskningstorget, Forskningsdagene: <http://www.forskningsdagenebergen.no> and from Jo Erling Riise Waage's PhD defence. You can also read an interview with Dr. Roald Flesland Havre. Both Jo Erling and Roald have been working with elastography evaluation of tumours for several years.

MedViz at Forskningsdagene

Forskningstorget, as a significant part of Forskningsdagene, took place Friday 19th - Saturday 20th of September at Festplassen in Bergen. MedViz was, as in previous years, represented with a stand. The common topic this year was communication, and MedViz presented tunneling nanotubes (TNTs) as an example of intercellular communication. We had a Brio train going in a loop between two cells made of wire, the children could participate in a competition for counting TNTs in a real cell image, and we also had a plasma ball connected to a lamp that started glowing when you touched both the plasma ball and the lamp, thus acting as a nanotube with your body. We got the impression that the children liked our installations, and we had a lot of visitors. See also:

<http://www.uib.no/klin1/81123/popul%c3%a6re-sinte-celler>



Maria Omsland from Dept. of Clinical Medicine 2, UiB and MedViz demonstrates cell-to-cell communication through tunneling nanotubes in a pedagogical way for children, by means of a Brio train.



Dr. Erlend Hodneland from Christian Michelsen Research and MedViz presents a software program for visualization and counting of tunneling nanotubes, as part of a competition.

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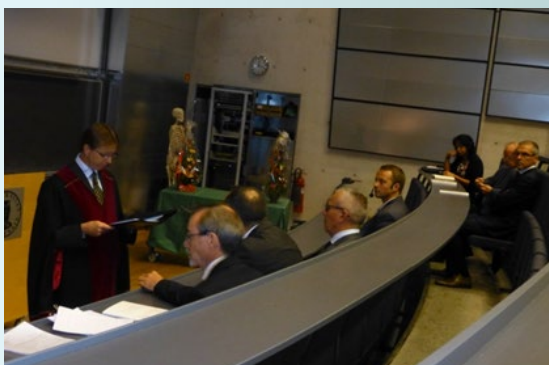


HELSE BERGEN
Haukeland University Hospital



PhD defence by Jo Erling Riise Waage

Dr. Jo Erling Riise Waage defended his PhD thesis “Strain elastography evaluation of rectal tumours” on October 2nd 2014. Jo Erling has both been a surgical PhD student and part of the NCGU and the MedViz family. He has been supervised by Professors Gunnar Baatrup, Frank Pfeffer and Svein Ødegaard.

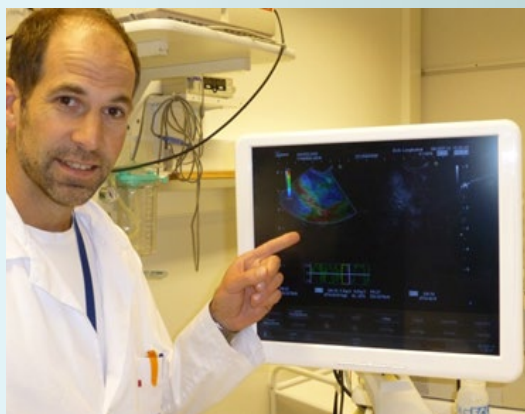


During the PhD defence, from the left: Chairman Professor Odd Helge Gilja, 1st opponent Professor Robert J.C. Steele, 2nd opponent Assoc. Professor Thomas Borshitz, local Administrator of the Committee Professor Asgaut Viste, the candidate Jo Erling Riise Waage, foreign guest and the supervisors Professor Svein Ødegaard and Professor Frank Pfeffer.

The dissertation was based on five papers, from which three papers have been published in international peer review journals and two papers have been submitted. Five main hypotheses were tested. Dr. Waage has been working at Department of Clinical Medicine 1 during his study

Presentation of Roald Flesland Havre

Dr. Roald Flesland Havre was born in Bergen, in the vicinity of Haukeland University Hospital. –In fact, today I can see



my old primary school, Minde skole from the hospital. Later, I left Bergen temporarily. My second part of the medical studies took place in Trondheim in 1994-97. Then I worked at Levanger sykehus and then at Regionsykehuset in Trondheim, currently St.Olavs Hospital. Thereafter I finally had my internship in parallel with my wife at Nordfjord Sjukehus and in Eid kommune from 1999-2001, and we stayed at Nordfjordeid for three years. In 2002-2004 I worked at Haraldsplass Deaconess Hospital at the Medical Dept. and got interested in gastroenterology and research, inspired by dr. Solomon Tefera. In 2004 I heard a rumor that professor Svein Ødegaard and Lars Birger Nesje was looking for a candidate for training in endoscopic ultrasound which I found interesting and challenging. In September 2004 I started as a resident at Haukeland University Hospital at the Section for gastroenterology where I learned this examination method.

[Read the interview with Dr. Roald Flesland Havre](#)

Upcoming events

12. November at 13:00: PhD trial lecture, by Erik Hanson, Dept. of Mathematics, Room 534

21. November at 12:00 : MedViz Seminar: Particle therapy and imaging, in the MedViz Incubator, Møllendalsbakken 7, 5th floor

10. December: PhD defence by Erik Hanson. Title: “Image processing methods for 4D magnetic resonance acquisitions from brain and kidney”. Supervisors: Prof. Alexander Malyshev, Dept. of Mathematics, UiB and Prof. Arvid Lundervold, Dept. of Biomedicine, UiB.

12. December: MedViz Christmas Seminar together with Visual Computing Forum, Dept. of Informatics. The seminar takes place in the MedViz Incubator, Møllendalsbakken 7, 5th floor

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