

Workshop in small animal MR imaging and spectroscopy

27.-28. October 2009

Date:

October 27.-28. 2009

Location:

Norwegian University
of Science and
Technology (NTNU),
Trondheim, Norway

Organisers:

Fuge Molecular
Imaging Center,
Trondheim,
Department of
Circulation and
Medical Imaging,
Faculty of Medicine,
NTNU.

**FUGE Molecular Imaging Center
welcomes you to:**

Workshop in small animal MR imaging and spectroscopy

This two day workshop will focus on in vivo MR imaging and spectroscopy of small animals, as well as give and introduction to MR theory and hands-on training at our MR scanners. On day 1, there will be plenary lectures from international and local speakers focusing on small animal MRI and MRS applications for brain, heart and cancer. On day 2, participants will be divided into groups and take part in hands-on training on our MR scanners, as well as learn more about MR theory and physics. The course will be put together so that it should interest both those that are new to the field of MRI/MRS, and those that have some experience with the techniques.



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Preliminary program:

Tuesday 27th

At Seminar room 1, MTFS.

9.30: Registration and coffee

10.00: Plenary lectures part 1

12.30: Lunch

13.30: Plenary lectures part 2

17.00: End

19.00: Dinner for participants

Wednesday 28th

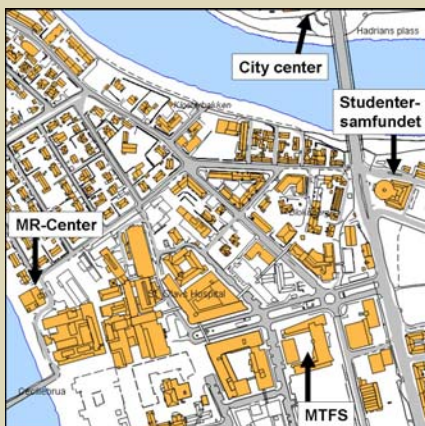
At the MR-center, 1st floor.

9.00: Parallel sessions:
Hands-on training on
MR scanners and MR
theory/physics

12.30: Lunch

13.30: Parallel sessions cont.

15.15: End



Map of Øya campus with
MTFS and MR-center.

The airport bus stops at
Studentersamfundet, close to
the campus area and bus
no^o19 stops close to the MR-
center.

Topics:

- Perfusion imaging
- Small animal cardiac imaging
- In vivo MR spectroscopy in brain and cancer research
- Preclinical MR in cancer: in vivo MR imaging and spectroscopy
- Brain imaging with manganese-enhanced MRI
- MRI of stem cells and nanoparticles
- Post processing of MR-data
- Hands-on training on 7T animal MR scanner and 500/600MHz high resolution spectrometers
- MR theory/physics

Invited speakers:

Professor Arend Heerschap

Nijmegen Centre for Molecular Life Sciences (NCMLS),
University of Nijmegen, the Netherlands

Associate professor Michael Horn

Center for Physiology and Bio-Imaging, University of
Gothenburg, Sweden.

Professor Henrik Larsson

Functional Imaging Unit, Glostrup Hospital, University of
Copenhagen, Denmark.

Local speakers: To be announced.

Practical information:

Registration deadline: October 1st 2009

Maximum number of participants: 24

Registration fee: NOK 1900,- including lunch and coffee both
days and dinner Tuesday night.

Participants must organize their own travel and accommodation.

Rooms have been reserved for participants at Rica Nidelven
Hotel at a special prize and must be booked *before October 1st*
by telephone 73 56 80 00 or e-mail: rica.nidelven.hotel@rica.no
using the reference code: ntnufugemic271009

For more information and registration see our website:

www.ntnu.no/fuge_mr_workshop09

or contact Marius Widerøe: marius.wideroe@ntnu.no