

THE MR-CENTRE

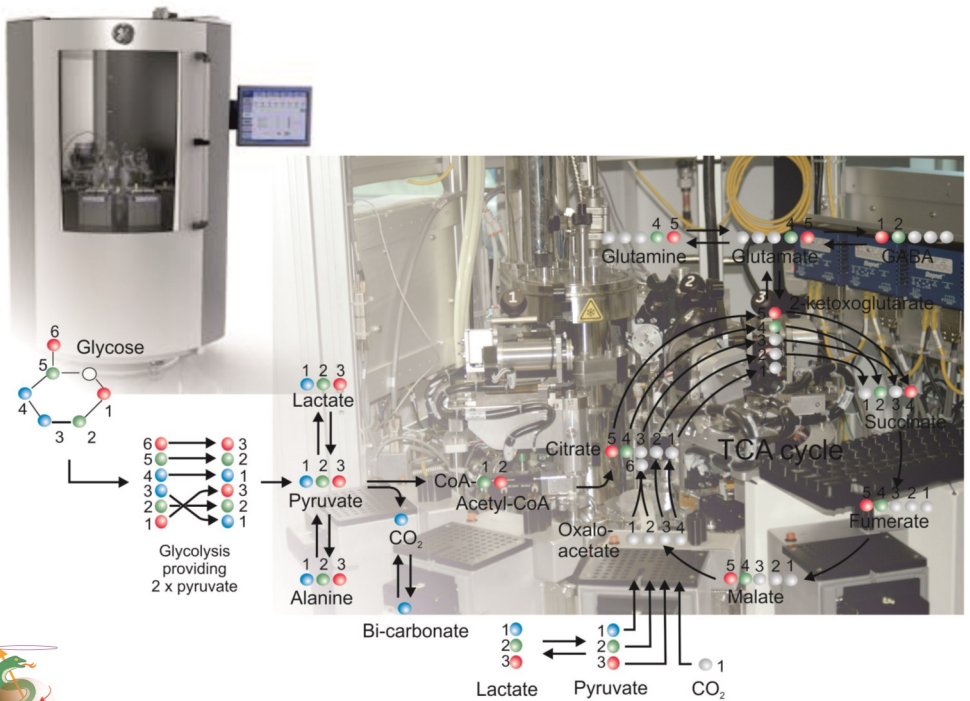
AARHUS UNIVERSITY HOSPITAL
BRENDSTRUPGAARSVÆJ

MR-hyperpolarization in Aarhus Workshop and Reception, October 14th, 2014

Venue: Auditorium B

Aarhus University Hospital, Skejby, Brendstrupgaardsvej 100

8200 Aarhus N, Denmark





MR-hyperpolarization in Aarhus - Workshop and Reception

Auditorium B

13:00 -16.15

13:00 - 13:15 **Welcome** by Kristjar Skajaa, Head of Department of Clinical Medicine,
Faculty of Health Sciences, Aarhus University, Denmark

13:15 - 14:35 **Introductory lectures**
Moderator - Hans Stødkilde-Jørgensen, Aarhus

Kevin Brindle, Cambridge:

"New substrates and possible new clinical applications in oncology"

Damian Tyler, Oxford:

"Using Hyperpolarized Magnetic Resonance to Study Cardiac Metabolism"

Christoffer Laustsen, Aarhus:

"Results from first experimental studies in Aarhus"

Jonathan Murray, Milwaukee:

"Industrializing Hyperpolarized Magnetic Resonance technology – the road to patient studies"

14:35 - 15:00 Coffee

15:00 - 16:00 **The road to clinical introduction: system development,
data interpretation and clinical potential**

Moderator - Jens Christian Djurhuus, Aarhus

Jan Henrik Ardenkjaer-Larsen, Lyngby:

"Hyperpolarization by the dissolution DNP method: physics, instrumentation and applications"

Rolf Schulte, München:

"Quantitative Methods for Metabolic Imaging with hyperpolarised ¹³C Compounds"

Ferdia Gallagher, Cambridge:

"Clinical hyperpolarized carbon-13: a routine clinical tool for the future?"

16:00 - 16:15 Hans Stødkilde-Jørgensen:
"A short survey of the DNP studies started in Aarhus"

Workshop Closing



Danish Cancer Society



Opening reception

Next to Auditorium B

16:15 - 18:00

Hans Stødkilde-Jørgensen:

The story behind the introduction of MR-hyperpolarization in Aarhus

Foundations and institutions, that have supported the establishment of MR-hyperpolarization in Aarhus:

A.P. Møller og Hustru Chastine Mc-Kinney Møllers Fond til almene Formaal
Karen Elise Jensens Fond
Region Midt
Aarhus Universitet
Det Strategiske Forskningsråd
Højteknologifonden

Visit the new MR hyperpolarization facilities

from 17:00 - 18:00



SpinLab - hyperpolarizator



3T MR scanner



9,4T MR scanner

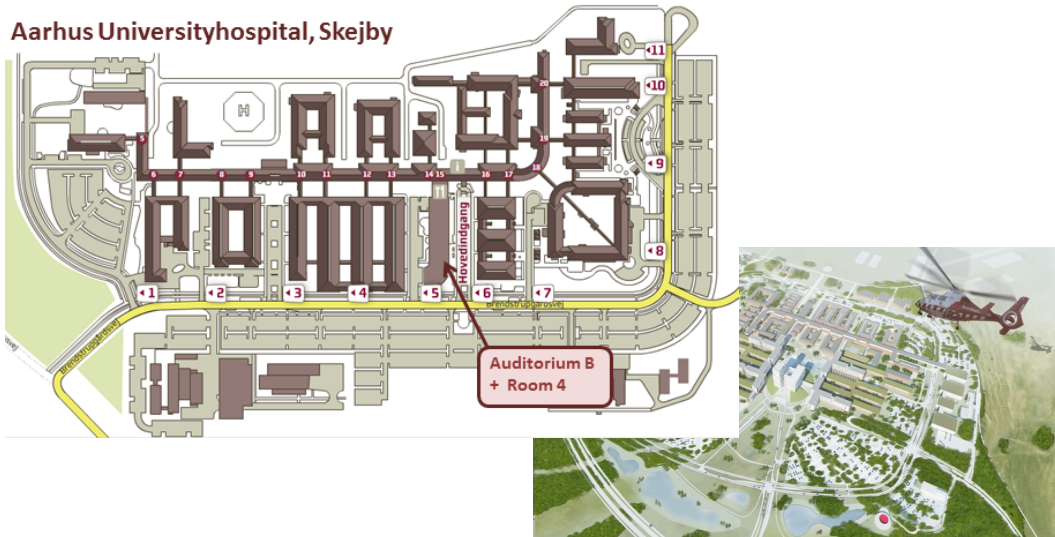
Invited working dinner:

19:00 - 20.00 **Topics for discussion**

- Heading for human introduction of DNP - research partnerships and coordination
- Update on the LIFE-DNP program
- Concerted European delivery of bio-probes for the MR-hyperpolarization in patients
- New DNP bio-probes to be introduced for experimental studies

20:00 - 22.00 **Dinner**

Aarhus Universityhospital, Skejby



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