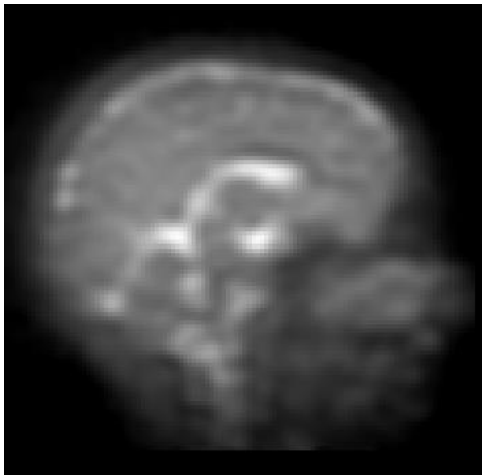


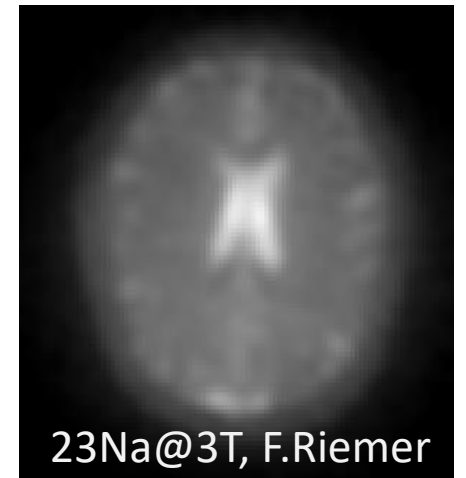
2nd ISMRM Nordic Chapter Virtual symposium:

# MULTINUCLEAR MR: Applications in Clinical Research

Wednesday April 28, 2021 13:00-15:30



ISMRM | Nordic  
CHAPTER



23Na@3T, F.Riemer

Registration (deadline April 28): [https://ntnu.zoom.us/webinar/register/WN\\_DM\\_Xm6YUQxCPg2O9gsQHIA](https://ntnu.zoom.us/webinar/register/WN_DM_Xm6YUQxCPg2O9gsQHIA)

# 2nd Nordic Chapter Virtual symposium: Multinuclear MR: Applications in Clinical Research

13:00 Welcome addresses

K. Markenroth Bloch, *Lund Univ., Chair Nordic Chapter*

13:10 General overview of sodium research

F. Riemer, *Haukeland University Hospital (HUH)*

13:30 Hyperpolarization, introduction and overview

M. Kettunen, *University of Eastern Finland*

13:50 Translation of hyperpolarized  $^{13}\text{C}$

C. Laustsen, *Aarhus University*

14:10 Break (10min)

14:20  $^{129}\text{Xe}$  MRI: Lung damage after COVID-19

J. Grist, *University of Oxford*

14:40  $^{31}\text{P}$  for cellular metabolism from *in vitro* to *in vivo*

P. Lundberg, *University of Linköping*

15:00  $^{31}\text{P}$ ,  $^{13}\text{C}$  at 7T

A. Marsman, *DRCMR, Copenhagen*

15:15 MRS at 7T

PE.Goa, *NTNU, Trondheim*

15:30 Final comments

R. Grüner, *HUH, Meeting organizer Nordic Chapter*