

NMR-MRI

Applications of Magnetic Resonance in Food and Nutrition

Scheduled 20 May 2017, 10:00 - 17:00

Wageningen University, Laboratory of Biophysics, Dreijenlaan 3

Content

In this course we will present advanced applications of NMR/MRI in food and nutrition. Besides lectures also real-life demonstrations at NMR/MRI instruments will be given. The students are invited to actively engage in NMR/MRI spectrometer sessions.

Target audience

This course is taught in the framework of the MSc+ program for talents in Master (university) education. Therefore, the course is appropriate for employees at that level.

Topics

Program to be established

The day consists of lectures and practicals, topics include:

- Spectrometric sessions
- Food microstructure as seen by relaxometric/diffusometric NMR
- Dynamic events (transport, shear) in foods as viewed by MRI
- NMR-based nutritional metabolomics
- Miniaturization in analytical NMR
- Data-analysis

Lecturers

John van Duynhoven, Aldrik Velders, Henk Van As, Daan de Kort, Frank Vergeldt, Pieter de Waard, Ewoud van Velzen (Unilever)

Prof. Dr. John van Duynhoven

Expertise team leader Spectroscopy and Microscopy at Unilever R&D and part-time professor Biophysics at Wageningen University.

At the end of the course

You will have gained knowledge of the basics of NMR and MRI, their applications and recent developments.

Course duration and time investment

Course duration:	1 day from 10:00 till 17:00
Company time:	0 hours (as this course is on a Saturday)
Participant's investment:	1 day + optional self-study

Extra Information

This course is taught in the Saturday program of MSc+ program and is taught every two years.

Course fees:

- €800 (ex. BTW/VAT) per day
- COAST members pay a reduced fee of €400 per day (ex. BTW/VAT) or use a wildcard
- ASTP / MSc+ students: Free

Special fees can be offered to PhD students and companies registering for three or more persons.

For up-to-date information about the course program visit our website at www.ti-coast.com/L3.

Please contact us for more information.

Registration

To register fill out, sign and email the form attached to lifelonglearning@ti-coast.com.

Registration Form

NMR/MRI

Scheduled 20 May 2017, 10:00-17:00

Wageningen University, Wageningen

Name	
Organization	
Address	
Billing address (if different from above)	
Educational background	
Email address	
Phone number	

Payment

- I will pay the full course fee of €800 per day (ex. BTW/VAT)
- I qualify for 50% discount, because my employer is a COAST participant, and will pay €400 per day (ex. BTW/VAT)
- I am a PhD student and will pay €400 per day (ex. BTW/VAT)
- I am a PhD student from a group participating in COAST and will pay €200 (ex. BTW/VAT) per day
- I have received a wildcard from: Therefore, I will follow this course for free (note: this person must receive a copy of your registration mail, to indicate approval)

Date:

Place:

Signature:

To register, please email the duly signed registration form to lifelonglearning@ti-coast.com