Program 57th NMR-DG meeting
Friday, November 4, 2022
Location: Shell Energy Transition Campus Amsterdam, Grasweg 31, 1031 HW Amsterdam
Organisers: Anne Wentink (Leiden University), Chloe Najac (LUMC), Daan de Kort (Shell), Evan Wenbo Zhao (Radboud University), John van Duynhoven (Wageningen University/Unilever), Klaartje Houben (DSM), Patrick van der Wel (University of Groningen), Rolf Boelens (Utrecht University)
Host: Daan de Kort (Shell)

09.30 Reception with coffee

10.15 **Miranda Mooijer,** Shell, Welcome to the Shell Energy Transition Campus Amsterdam

10.30 **Andy Sederman,** Cambridge University, Using Magnetic Resonance to provide new insights into mass transport in reactors and other porous media

11.00 **Angel Wong**, Radboud University, Enhancing the sensitivity of quadrupolar SSNMR spectroscopy: methods and applications

11.20 **Francesca Lavo**re, Utrecht University, NMR studies of the ErmB-RNA complex - towards new drugs that overcome antibiotic resistance

11.40 **Sharina Chander,** DSM Delft, High throughput screening by NMR - segmented flow with a novel fluoropolymer flow cell

12.00 Pitches (vendors)

12.15-13.30 Poster session and lunch buffet

13.30 **Melinda Duer**, Cambridge University, Understanding biological tissues in health and disease with solid-state NMR

14.00 **Pedro B. Groszewicz,** TU Delft, Application of high-voltage ex situ and in situ NMR to study materials for high power electronics and ultrasound transducers

14.20 **Morwarid Mayar,** Wageningen University, In vitro ^{1}H MT and CEST MRI of protein digestion under semi-dynamic conditions

14.40 **Raffaella Parlato,** University of Groningen, NMR studies on light-controlled modulation of polyglutamine amyloid structure

15.00 Coffee break

15.20 **Lolita Dsouza**, Leiden University, NMR characterization of dynamics of the efficient light-harvesting antennae chlorosomes of wild-type Chlorobacculum tepidum

15.40 **Ruben Nicasy,** Applied Physics TU/e, Real time measurements of moisture uptake in paper sheets using High-speed NMR

16.00 **Gorter award** lecture: Donny Merkx, Unilever R&D / Wageningen University, Magnetic Resonance to unravel lipid oxidation mechanisms in food emulsions

16.25-16.30 **Closure**

16.30-17.45 Drinks