

## Program 56<sup>th</sup> NMR-DG meeting

Friday, November 19, 2021

Location: Zoom webinar

Host: Kristina Djanashvili (TU Delft)

- 10.30 Introduction host (Kristina Djanashvili, TU Delft)
- 10.40 Evgeny A. Uslamin (TU Delft) NMR toolbox for highly-dynamic Ru-based ester hydrogenation catalysts
- 11.05 Mahin Saberi (Leiden University) Induced fit: Does the hand fit the glove, or the glove the hand?
- 11.20 Raj Kumar (Utrecht University) The mode of action of the lipid-antibiotic daptomycin
- 11.35 Pushpa (Zernike Institute, University of Groningen) Solid-state NMR studies of the structure and dynamics of high molecular weight hyaluronic acid in an ECM-like environment
- 11.50 Geerten Vuister (University of Leicester) The Collaborative Computational Project for NMR
- 12.10 Rhythm Shukla (Utrecht University) Mode of Action of Teixobactin
- 12.20 Ruben Nicasy (TU/e, Eindhoven) NMR imaging of capillary action in thin nontransparent porous media
- 12.30 In memoriam Bert de Boer en Shimon Vega
- 12.30-13.15 Break
- 13.15 Evan Wenbo Zhao (Radboud University, Nijmegen) Development and Applications of Operando NMR Methods for Studying Redox Flow Batteries and Beyond
- 13.40 Ricardo P. Martinho (University of Twente & Weizmann Institute) Understanding the molecular environment in the brain: a comprehensive ex vivo and in vivo MR correlation-based study in naive mice
- 14.05 Klaudia Milc (Wageningen University) High-resolution rheo-MRI: characterizing flow cooperativity in soft particle dispersions
- 14.20 Vincenzo Lobbia (Utrecht University) Methyl-TROSY NMR of high-molecular weight proteins at ultra-high field
- 14.35 Daan de Kort (Shell Technology Centre, Amsterdam) Pore Scale Flow MRI in Rocks
- 14.50 Eveline van der Maas (TU Delft) Tailoring the cation sub-lattice of the  $\text{Li}_3\text{-xIn}_1\text{-xZr}_x\text{Cl}_6$  solid electrolyte by Zr-doping
- 15.05 Gorter prize - laudatio
- 15.10 Gorter Prize lecture - Wouter Franssen (Radboud University Nijmegen) NMR studies of hybrid halide perovskites and quadrupolar nuclei
- 15.35 Closure