



Program FMS Annual meeting, Odeon theater, Blijmarkt 25 Zwolle

Friday December 1, 2023

09:30-10:00 *Welcome, coffee and tea, install poster*

10:00-10:05 *Opening meeting and general introduction by Bert Meijer*

10:05-11:25 Session 1

10:05-10:25 **Chanikan Wongkaew** – Katsonis group

'Life-like morphological transitions in active droplets'

10:25-10:45 **Rianne Haije** – Huck group

'Neuromorphic sensing with a retrainable enzymatic reaction network'

10:45-11:05 **Joost van der Tol** – Meijer/Vantomme group

'Macromolecules and Supramolecular Polymers; Similarities, differences and how to combine'

11:05-11:25 **Niels Klement** – Browne group

'In-line Raman imaging of mixing by grooves in microfluidic channels'

11:25-11:45 *Coffee break*

11:45-12:30 Keynote lecture – 2023 Netherlands Scholar Award for Supramolecular Chemistry

Thomas Hermans, IMDEA Nanociencia, Campus de Cantoblanco, Madrid, Spain

'Controlling self-assembly by chemical fuels and light'

12:30-14:00 *Lunch and poster session* (*FMS/SUMMIT staff-member meeting during lunch)*

14:00-15:35 Session 2

14:00-14:20 **Merlijn van Haren** – Spruijt group

'On the surface of things: probing the coacervate surface and its role in protein aggregation'

14:20-14:40 **Willemijn Remmerswaal** – Janssen group

'How to measure voltage with light'

14:40-15:00 **Carlijn van Beek** - Feringa group

'Coupled rotary motion in molecular motors'

15:00-15:20 **Shaohua Zhang** – Wilson group

'Tailoring hydrophobic anchors in PEG coronas for adaptive surface modification'

15:20-15:35 **Fire Talks**

Riccardo Bellan – Dankers group

'Tuning the assembly of UPy molecules in living systems'

Bart Brouwer – Roelfes group

'Artificial Friedel-Crafts alkylases featuring unnatural amino acids'

Stefan Maessen – Palmans group

'The next generation of dynamic covalent networks'

15:35-16:00 *Coffee break*

16:00-17:35 Session 3

16:00-16:20 **Adarsh Koovakattil Surendran** – Roithova group

'Voltammetry - Electrospray Ionization Mass Spectrometry'

16:20-16:40 **Bas Bögels** – De Greef group

'Synthetic compartments for scalable DNA data storage'

16:40-17:00 **Johan Kootstra** – Harutyunyan group

'From oscillations to automation'

17:00-17:20 **Thijs van Veldhuisen** – van Hest/Brunsveld group

'Enzymatic Regulation of Protein-Protein Interactions in Artificial Cells'

17:20-17:35 **Fire Talks**

Fabian Sobotta – Voets group

'From Monomer to Nanostructure in One Step: Switchable Polymerization-Induced Electrostatic Self-Assembly (PIESA)'

Luis Pantaleone – Kudernac group

'Supramolecular mechano-chemistry'

Yannick Leurs – Brunsveld/van Hest group

'Condensate stability via dynamic protein interactions with the interface'

17:35-17:45 **Sijbren Otto** – 'The status of our SUMMIT proposal'

17:45-17:50 **Wilhelm Huck** – 'Update on the NGF project 'Big Chemistry and RobotLab''

17:50-18:00 **Bert Meijer** – 'Closure of the meeting and FMS'

18:00-19:30 *Drinks & poster session*

19:00-20:45 *Walking dinner*

21:00 *Departure*