



Programme

Dutch Photochemistry Days

(May 10 and 17, 2021, Zoom)

Monday May 10, 2021

13:00 Opening by Fred Brouwer

Chair: Elizabeth von Hauff

Keynote lecture (25 min + 5 min questions)

13:05 **Rachel Crespo-Otero** (School of Biological and Chemical Sciences, Queen Mary, University of London, England)
'Modelling Excited States in Molecular Crystals'

PhD and postdoc lectures (15 min + 5 min questions)

13:35 **Nadja A. Simeth** (Group Szymanski, University of Groningen)
'Tuning the Properties of Small Molecular Photoswitches through Substituent Effects'

13:55 **Paola Riente Paiva** (Group Noël, Eindhoven University of Technology)
'Shedding Light on the Nature of the Catalytically Active Species in Photocatalytic Reactions using Bi₂O₃ Semiconductor'

14:15 **Break**

Chair: Fred Brouwer

14:30 **Jan Paul Menzel** (Group Buda, Leiden University)
'Photoinduced Electron Injection in a Fully Solvated Dye-Sensitized Photoanode: a Dynamical Semi-empirical Study'

14:50 **Jiayun Fan** (Group Buma, University of Amsterdam)
'Elucidating the Photoprotective Properties of Sunscreens: High-Resolution Laser Spectroscopy of Methyl Sinapate'

15:10 **Break**

15:20 **Pedro Miguel M.C. de Melo** (Group Zanolli, Utrecht University)
'First-Principles Optics on Transition-Metal Dichalcogenides: the Search for Long Lived Spinlifetimes'

15:40 **Vincenzo Mascoli** (Group Croce, Vrije Universiteit Amsterdam)
'Breaking the Red Limit of Photosynthesis: Trade-Off between Far-Red Absorption and Light-Use Efficiency'



Monday May 17, 2021

Chair: Sylvestre Bonnet

Keynote lecture (25 min + 5 min questions)

13:00 **Guillaume Izzet** (Institut Parisien de Chimie Moléculaire, France)
'Photosensitized Polyoxometalate-Based Hybrids for Solar Energy Conversion'

PhD and postdoc lectures (15 min + 5 min questions)

13:30 **Nicoletta Liguori** (Group Kennis, Vrije Universiteit Amsterdam)
'Realtime Response of Photoactive (Macro)Molecules to pH via a Novel Ultrafast Spectroscopy Tool'

13:50 **Ruben F. Hamans** (Group Baldi, Vrije Universiteit Amsterdam)
'Super-Resolution Mapping of a Chemical Reaction Driven by Plasmonic Near-Fields'

14:10 **Break**

Chair: Fred Brouwer

14:30 **Jorn D. Steen** (Group Browne, University of Groningen)
'Electrochemical Ring-Opening and -Closing of a Spiropyran'

14:50 **Zoran Ristanović** (Group Orrit, Leiden University)
'Sensing Light-Induced Charges in Organic Solids with Single-Molecule Fluorescence Spectroscopy'

15:10 **Break**

15:20 **Manee Patanapongpibul** (Group Katsonis, University of Groningen)
'Photochemistry of Molecular Motor in Lipid Membranes'

15:40 **Iris Groeneveld** (Group Somsen, Vrije Universiteit Amsterdam)
'There's Light at the End of the Tube – Application of a Liquid Core Waveguide as a Light-Induced Degradation Reactor Cell'