

## Annual meeting of the Danish chemical society

August 15<sup>th</sup> 2024

### General session – Oticon hall, DTU

10.00-10.50 – Bjerrum-Brønsted-Lang Lecture awarded by The Royal Danish Academy of Sciences and Letters

11.00-11.40 **Prof. Jin-Chong Tan**, Professor of Engineering Science, University of Oxford, UK, “*Luminescent Metal-Organic Frameworks & Composites for Optical Sensors and Multifunctional Devices*”

11.50-12.40 **Maksym V. Kovalenko**, Professor of inorganic chemistry, ETH Zurich, Switzerland, “*Lead Halide Perovskite Nanocrystals as Quantum Light Sources*”

13.00-14.00 Lunch and poster session, served in DTU Meeting center

### Section for organic chemistry – S09, Meeting Center, DTU

14.10-14.35 **Thomas Poulsen**, Professor, Aarhus University, Denmark, “*Unlocking the biology of natural products through synthesis*”

14.40-15.05 **Mads Clausen**, Professor, DTU, Denmark, “*Vaccines stimulating iNKT cells*”

Coffee break and posters, DTU Meeting center

15.30-15.55 **Emilie Lassen**, Industrial PhD, Novo Nordisk/DTU Chemistry, Denmark, “*Identification of synthetic peptide epitopes as targeting reagents in Type 1 Diabetes*”

16.00-16.40 **Peter Chen**, Professor, ETH Zurich, Switzerland, “*Four experimental systems that test dispersion interaction in the gas phase*”

16.50-17.15 Lecture by PhD prize winner 2023

## Section for inorganic chemistry – S10, Meeting Center, DTU

14.10-14.30 **Maja A. Dunstan**, Postdoc, DTU, Denmark, "*Switchable magnetism in lanthanide coordination polymers*"

14.30-14.50 **Joseph McPeak**, Specialkonsulent, UCPH, Denmark, "*Principles and applications of Pulse EPR*"

14.50-15.10 **Anders Reinholdt**, Associate Senior Lecturer, University of Lund, Sweden, "*A phosphorus mononitride complex of osmium*"

Coffee break and posters, DTU Meeting center

15.30-15.50 **Rebecca Pittkowski**, Assistant Professor, UCPH, Denmark, "*Through X-ray Eyes: Following Nanoparticle Restructuring in Electrocatalysis*"

15.50-16.10 **Søren Schott**, Adjunkt, UCPH, Denmark, "*Electrocatalysis in the green energy transition*"

## Section for analytical chemistry – S10, Meeting Center, DTU

16.10-16.40 **Kristian Fog Nielsen**, UCPH PLEN, Denmark, "*Chromatographic analysis of the ultra polars with a focus on interfacing with mass spectrometry*"

16.40-17.10 **Agnieszka Anna Niklas**, DTU FOOD, Denmark, "*PFAS in Danish food and food contact materials, by high and low resolution mass spectrometry*"

## Section for molecular spectroscopy – S02, Meeting Center, DTU

14.10-14.35 **Jeppe Kjædegaard Christensen**, PhD student, Aarhus University, Denmark, “*Atom-and-femtosecond time-resolved solvation of a single cation – and beyond*”

14.40-15.05 **Fábio Maia Neto**, Post Doc, Institut for Kemi, Aarhus University, Denmark, “*Solid-state NMR spectroscopy as a tool to investigate the local structure of disordered phases in cement-based materials*”

Coffee break and posters, DTU Meeting center

15.30-15.55 **Casper Vindahl Jensen**, PhD student, UCPH, Denmark “*Gas-Phase Equilibrium Constants of Methanol Dimer, Trimer and Tetramer by Infrared Spectroscopy*”

16.00-16.30 **Poul Erik Hansen**, Prof. emeritus, Department of Science and Environment, RUC, Denmark “*A multitool approach to the study of hydrogen bonding or tautomerism in the liquid and solid state studied by NMR, X-ray and DFT calculations*”

## Section for history of chemistry - S04, Meeting Center, DTU

14.10-14.40 **Børge Riis Larsen** “*Fra Havrebjerg til Carlsberg. Om S.P.L. Sørensen og pH*”

14.40-15.10 **Jens Ulstrup** “*Acids, bases, and acid/base catalysis one hundred years – The Brønsted-Lowry concept from < 1923 and onwards*”

Coffee break and posters, DTU Meeting center

15.30-16.00 **Ture Damhus & Asbjørn Petersen** ”*Ole Bostrup - historisk kemiker, gymnasirektor, lærebogsforfatter og redaktør af Kemiske Småforsøg i 3 årtier*”

## Section for theoretical chemistry – S04, Meeting Center, DTU

16.15-16.40 **Kasper Tolborg**, Assist. Professor, AAU, Denmark, “*Modelling the interplay between vibrations and disorder in crystalline materials*”

16.40-17.10 **Karl Michael Ziems**, Postdoc, DTU, Denmark, “*Hybrid Quantum Chemistry on Hybrid Quantum Computers*”

17.10-17.40 **Andreas Erbs Hillers-Bendtsen**, Postdoc, UCPH, Denmark, “*Probing the Ultrafast Photodynamics of Dihydroazulene Derivatives using Quantum Chemistry*”

## Section for medicinal chemistry and chemical biology – M2, Meeting Center, DTU

14.10-14.40 **Jacob Kofoed**, Principal Scientist, Novo Nordisk Research Chemistry, Denmark, “*Oral Administration of Novel GLP-1 Analogues*”

14.45-15.15 **Matthias Herth**, Professor, UCPH, Denmark, “*In vivo Pretargeted Imaging and Therapy – Applied Bioorthogonal Chemistry*”

Coffee break and posters, DTU Meeting center

15.35-16.15 **Stefan Vogel**, Professor, SDU, Denmark, “*Lipidated Oligonucleotides and Lipid nanoparticle delivery*”

16.30-19.00 Snacks and drinks served in the DTU meeting center