2. Jahrestagung der GDCh-Arbeitsgemeinschaft Phosphorchemie

Nachhaltige Anwendungen von P/F/PF-Verbindungen (AG Phosphorchemie, AG Fluorchemie)
Dienstag, 5. September 2023

Session I

Chairs: E. Hey-Hawkins, R. Wolf, T. Braun

The More Fluorine the Better? Pentafluorophosphates as Amphiphilic Cell-permeable Biomimetics Displaying Strong Fluorine-specific Protein Interactions
J. Rademann, Berlin/DE

Towards More Sustainable Drug Discovery: Modified Oligonucleotides as Potential Drug Candidates
C. Ducho, Saarbruecken/DE

Fluorinated Phosphate Ester Salts as Functional Materials in Batteries
I. Krossing, Freiburg/DE

Rethinking Phosphine-Mediated Reactions: Towards the Valorization of CO_2 and SF_6
F. Dielmann, Innsbruck/AT

Keynote: Faces of Fluorine Chemistry: Late-Stage Difluoromethylations for Medical Imaging and Rapidly Deployable Materials for Aerospace Applications
C. Friesen, Langley/CA

Session II

Chairs: C. Müller, M. Scheer

Keynote: (Un)Usual Phosphorus-based Concepts for Sustainable Organic Materials
T. Baumgartner, Toronto/CA

Short-chain multibranched Perfluoroalkyl Derivatives as Versatile Tools for More Sustainable Functional Materials
G. Cavallo, Milan/IT

Phosphorus Dendrimers and Their Use for Catalysis, Materials and Biology
A.-M. Caminade, Toulouse/FR

Session III

Chairs: S. Riedel, I. Krossing

Verleihung des Publikationspreises Fluorchemie
Harnessing Fluorine as Directing Tool: From Chemical Reactivity to Natural Product Synthesis
T. Gulder, Leipzig/DE

Phosphorus Compounds in Homo- and Heterogeneous Transition Metal Catalysis
S. Hanf, Karlsruhe/DE

Electrochemical fluorination: Computational Insight into Fluorination Processes of Organic Compounds
B. Paulus, Berlin/DE, T. Lindic, Berlin/DE

Phosphaborene: Synthesis, Reactions, and New Perspectives
D. M. Andrada, Saarbrücken/DE