

Final program

Thursday, 24 November 2022

12:00	Welcome and Introduction, P-Campus News	D. Zimmer, P. Leinweber
P in Agriculture – Animal Husbandry		Peter Leinweber
12:10	Tissue-wide expression of genes related to vitamin D metabolism and FGF23 signaling in response to variable phosphorus intake in pigs (online)	Maruf Hasan
12:20	Phosphorus as a metabolic regulator during environmental stress in animals (IOW)	Linda Adzigbli
12:35	Shifted Excitation Raman Difference Spectroscopy for molecule-specific analysis of fluorescent animal bones (IOW)	Kay Sowoidnich
12:45	Coffee break	
P in Synthesis and Catalysis		Christian Hering-Junghans
13:30	Mimicking enzymes in molecular P-containing systems, novel ligand framework of Bis(NHC)Phosphinidines (IOW)	Jan-Erik Siewert
13:40	Phosphonium salt catalyzed synthesis of cyclic carbonates and their kinetic resolution (IOW)	Constanza Terazzi
13:55	P(III)/P(V) Redox Cycling Catalysis: Development and Outlook on New Methods for the Synthesis of Active Compounds (IOW)	Jan Tönjes
14:05	Short poster presentation	Volker Brüser
14:10	Coffee break	
14:10	On-site Poster Session	
P in the Environment		Ulf Karsten
15:00	Spontaneous eutrophication of Lake Stechlin: Which external and internal mechanisms control phosphorus increase in the water body? (online)	Michael Hupfer
15:10	Advances in understanding the P binding in soil: A computational chemistry perspective (IOW)	Ashour Ahmad
15:30	Succession of the phototrophic community composition in biological soil crusts on the temperate coastal dunes: Implications for P cycling (IOW)	Sandra Kammann
15:40-16:40	General Meeting P-Campus with SAC: Future of the P-Campus beyond 2023	

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Friday, 25 November 2022

12:00-12:45	Virtual Poster Session (Kumospace)	
12:55	Introduction	D. Zimmer, U. Bathmann
13:00	Impressions of Scientific Advisory Council (SAC)	SAC
P in Agriculture, Environment and Governance		Marion Kanwischer
13:10 E	P Governance, Oceans, and Precision Farming (online)	K. Heyl/B. Garske/F. Ekardt
13:30	Blooms in the Baltic Sea: insights into acclimation strategies of toxic diazotrophic cyanobacteria to limiting nutrients (IOW)	Mariano Santoro
13:45	Coffee Break	
14:15	Phosphorus speciation in soil and sediment indicating transformation processes from terrestrial to aquatic ecosystems (online)	Julia Prüter
14:30	Phenotypic and genotypic variation of root-system architecture under high P and low P conditions in potato (<i>Solanum tuberosum</i> L.) (online)	Mareike Kavka
14:45	P-Campus Publication Award and closing words	D. Zimmer, P. Leinweber
15:00	End	