

*Final program*

## Monday, 9 October 2023

12:00	Registration		
12:30	Welcome and Introduction, P-Campus News	D. Zimmer, T. Werner	
<b>Topic 1: P in Environment</b>		N.N.	
12:40	Successional development of a diverse community in biological soil crusts at the Baltic Sea coast: Implications in P cycling	Sandra Kammann	P*
12:55	Phosphate limitation and storms in the Baltic Sea: the diversity of strategies in Cyanobacteria under the spotlight	Mariano Santoro	P
13:15	Seed project: The new phosphorus soil fertility classes and their relationships to phytodiversity and vegetation types	Uwe Buczko	
13:30	Coffee break		
<b>Topic 2: P in Agricultural Research</b>		N.N.	
14:00	PROCESSOR: Phosphorus Recycling from Complex scarcely Soluble Societal resources – letting the soil do the work	Jakob Magid	
14:15	Measuring recycled phosphorus amendment availability and transformations within one-dimensional soil microcosms	Aimée Schryer	
14:35	InnoSoilPhos - highlights from the 9-year-funding period	Peter Leinweber	
14:50	Coffee break		
<b>Topic 3: P in Modelling, Catalysis and Plasma Research</b>		Thomas Werner	
15:20	Molecular-level insights into phosphate binding in soil: Recent progress	Ashour Ahmad	
15:35	A journey in low-valent phosphorus chemistry	Jan-Erik Siewert	P
15:55	P(III)/P(V) Redox Cycling Catalysis: Advances on Efficient Methods for Phosphorus Mediated Reactions	Jan Tönjes	P
16:05	Plasma-assisted treatment of biomass for phosphorus recovery	Volker Brüser	S*
16:15- 16:45	General Meeting P-Campus with SAC: Future of the P-Campus beyond 2023	D. Zimmer, I. Sokolova, T. Werner	
16:45- 18:30	Dinner/snacks, poster session, networking		

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09:30	Welcome	D. Zimmer, U. Bathmann	
09:35	Impressions of Scientific Advisory Council (SAC)	SAC	
<b>Topic 4: P in Molecular Biology</b>		Michael Oster	
09:45	Molecular determinants of vitamin D metabolism for improved phosphorus efficiency in pigs	Maruf Hasan	P*
09:55	Isolation, characterization, and in vitro osteogenic differentiation of porcine synovium-derived mesenchymal stem cell	Shuaichen Li	
10:10	Broiler physiological response to low phosphorus diets at different stages of production [online]	Adewunmi Omotoso	
10:20	Phosphorus as a metabolic regulator during environmental stress in animals [online]	Linda Adzigli	P
10:30	Coffee break		
<b>Topic 5: Governance and Crop Production for a more environmentally friendly Agriculture</b>		Klaus J. Dehmer	
11:00	Phosphorus and Human Sciences: Some Core Results of the P-Campus	Felix Ekardt	
11:15	From shoots to roots: Phosphorus Phenotyping in the Leibniz IPK Medicago accessions	Nagarjun Devabhakthini	
11:30	Hydroponics-based phenotyping for nutrient efficiency in potatoes	Mousumi Hazarika	
11:40	Recycled Fertilizers for Legumes – Food and Feed from Waste and Air	Bettina Eichler-Löbermann	
11:50	Closing words	Ulrich Bathmann	

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