

## P-CAMPUS SYMPOSIUM

### 6<sup>th</sup> and 7<sup>th</sup> Jan 2022

**Thursday, 6<sup>th</sup> January 2022**

| Time        | Title  | Speaker/Moderator                           |
|-------------|--|---|
| 12:00       | Welcome and Introduction, P-Campus News  | D. Zimmer, U. Bathmann                      |
|             | <b>Cluster II. Sufficiency and Efficiency of P Utilization, P Recycling</b>  | Bettina Eichler-Löbermann                   |
| 12:10       | Intra- and extracellular phosphatase activities of P starved potato  | Mareike Kavka                               |
| 12:25       | Phenotypic and genotypic screening of potato cultivars for phosphorus efficiency   | Mousumi Hazarika                            |
| 12:35       | Project II.3: Phosphorus utilisation capacity of forage legumes from recycling products  | Yue Hu                                      |
| 12:50       | Short presentation of posters (each 1 to 3 min)  |   |
| 13:10       | Coffee break   |   |
| 13:30-14:05 | Virtual Poster Session   |   |
|             | <b>Cluster II and V. P-Governance</b>  | Klaus Wimmers                               |
| 14:10       | Project II.1: Recovery of concentrated P-products from animal excrements in husbandry and aquaculture                              | Jens Tränckner                              |
| 14:20       | Phosphorus Justice: The Climate Verdict of the German Federal Constitutional Court and its Implications for Land Use               | Felix Ekardt                                |
| 14:35       | The Common Agricultural Policy and Phosphorus  | Katharine Heyl                              |
| 14:50       | Coffee break   |   |
|             | <b>Cluster III: P in Synthesis and Catalysis</b>   | Thomas Werner                               |
| 15:10       | Project III.1: Phosphine-catalysed Reduction of Dihalophosphanes   | Jan-Erik Siewert                            |
| 15:20       | Project III.2 Application of P-based Organocatalysts and Biocatalysts for the Kinetic Resolution of Racemic Carbonates - P-RaceCar | Constanza Terazzi                           |
| 15:35       | Project III.3: The Catalytic Appel Reaction: Stereospecific Chlorination of Alcohols by P(III)/P(V) Redox Cycle Catalysis          | Jan Tönjes                                  |
| 15:50       | Selective phosphonium salts catalysed N-methylation and N-formylation of amines with CO <sub>2</sub>                               | Changyue Ren                                |
| 16:00       | General Meeting P-Campus with SAC – Future of the P-Campus beyond 2023   | Dana Zimmer, Ulrich Bathmann, Inna Sokolova |

**Friday, 7<sup>th</sup> January 2022**

| <b>Time</b> | <b>Title</b>   | <b>Speaker/Moderator</b>    |
|-------------|--|-----------------------------|
| 12:00       | Introduction   | D. Zimmer, U. Bathmann      |
|             | <b>Innovative solutions to sustainable Soil Phosphorus management</b>  | Peter Leinweber             |
| 12:05       | Biofertilizer for an improved P mobilization in arable soils: potentials and limitations   | Christel Baum               |
| 12:15       | Conversion equations between Olsen-P and other methods used to assess plant available soil phosphorus in Europe                        | Kristin Steinfurth          |
| 12:30       | Advance in understanding the P binding in soil   | Ashour A. Ahmed             |
| 12:45       | Measuring On-Farm Phosphorus Fertiliser Use—Lessons Learned from Surveying Data in Northern Germany                                    | Bärbel Gerowitt             |
| 12:55       | Impressions of Scientific Advisory Council (SAC)   | Ellery Ingall, Helen Jarvie |
| 13:05       | Coffee Break   |                             |
|             | <b>Cluster IV. Molecular Biology of P</b>  | Inna Sokolova               |
| 13:30       | Orthotopic and ectopic mineralization: Two sites of a coin   | Dagmar-Christiane Fischer   |
| 13:45       | Tissue-wide expression of genes related to vitamin D metabolism and FGF23 signaling following variable phosphorus intake in pig        | Maruf Hasan                 |
| 14:00       | Inositol phosphates and myo-inositol in the domestic fowl: Exploring the interface of genetics, physiology, microbiology and nutrition | Michael Oster               |
| 14:15       | P-Campus Publication Award and closing words   | D. Zimmer, U. Bathmann      |
| 14:30       | End  |                             |