



## Post-Pre-Meeting - Priority Programme “Codex”

**Zoom-Conference on Tuesday, 8 November 2022**

(Five min project description plus 10 minutes discussion per speaker)

**14:00**

- Welcome (Hans Merzendorfer)

**14:01-14:45**

- Matthias Behr (Functional genetics): “How chitin assembles and matures into functional matrices with various biochemical, physical, and functional properties”
- Alf Lamprecht (Immunological effects): „Immune-modulatory effects of C/CS nanoparticles on macrophages: Influence of DP, DA and PA”
- Andrea Hoffmann, Henning Menzel (Immunological effects): “Chitosan graft copolymers to control immune response and tissue regeneration”

**14:45-15:30**

- Bart Thomma (C/CS perception in plants): "LysM effectors that fungal pathogen secrete during plant host colonization perturb the dimerization of chitin immune receptors"
- Maik Böhmer (C/CS perception in plants): "C/CS perception mechanism, signaling cascades, and physiological responses leading to stomatal closure"
- Maria Pimenta (C/CS perception in plants): “ProChiP: Promoting and Profiling Chitin Responses in Plants”

**15:30-15:45**

- Coffee break

**15:45-16:15**

- Alice Koch, Andrij Pich (C/CS-RNA interaction): “Engineering CS-RNA-protein complexes as delivery platform for RNA-mediated gene modulation in plants”
- Juan Carlos Contreras (Fungal chitinases): Chitin and chitosan degradability with enzymes from *Aspergillus* spp. with special interest of *Aspergillus kawachii*.

**16:15-17:00**

- Vera Hintze, Stephanie Möller (SAR analysis of C/CS-protein interactions): “Chemically modified chitosan derivatives for deciphering the structure-function relationship in the interaction with chitosan binding proteins and as building blocks for hydrogels directing cellular behavior implementing CodeChi”
- Manjeet Kumar (Biomolecular Modelling): “Substrate specificity, regulation and cross-talk of C/CS enzymes”
- Kelvin Anggara (Structure analysis): "Structure and Interactions of chitooligosaccharides at a single molecule level"

To access the meeting, please use the following Zoom-Link:

<https://uni-siegen.zoom.us/j/7458229836?pwd=NUlwYlVXZd01vaJJT1VaTjM2SkZDZz09>

Meeting ID: 745 822 9836, Kenncode: 5b%XPsu, Ziffern Kenncode (Telefon): 788252