

DFG Priority Programme SPP 2416 “Codex”

Kick-off Meeting Programme, February 1-2, 2024, Siegen

Thursday, February 1st

12:30-13:00 Finger Food and Refreshment

	13:00-13:05	Hans Merzendorfer	Welcome and Introduction
Session I			
Chair: Gorzelanny	13:05-13:30	Martina Delbianco	Synthetic chitin-based materials
	13:30-13:55	Kelvin Anggara	Single molecule imaging of polysaccharides
	13:55-14:20	Bruno Moerschbacher	Structure-function relationships of antimicrobial chitosans
	14:20-14:45	Andrij Pich	Functional chitosan microgels
	14:45-15:10	Aline Koch	Utilizing Chitosan-RNA-protein microgels as delivery platform for RNA-mediated gene modulation in plants

15:10-16:10 Coffee Break **Poster Session I**

Session II			
Chair: Cramer	16:10-16:35	Alessa Ruf	<i>Xylella fastidiosa's</i> chitinase
	16:35-17:00	Maik Böhmer	Locking the gates: Chitosans as a key in stomatal regulation
	17:00-17:25	Bernard Moussian	Variabilities in cuticles of insect legs
	17:25-17:50	Matthias Behr	The xenobiotic control of chitin/chitosan modifying proteins
	17:50-18:15	Stas Gorb	Mechanical characterisation of insect cuticle
	18:15-18:40	Fritz Lehmann	The role of elastic chitin/chitosan matrix assembly in insect locomotion

18:40-19:20 **Poster Session II (Program Committee Meeting)**

19:30 **Dinner at Brasserie Ristorante e Piazza (Unteres Schloss 1, 57072 Siegen)**

Friday, February 2nd



Session III			
Chair: Anggara	08:00-08:25	Sebastian Hess	Chitin and chitin-associated proteins in phagotrophic protists
	08:25-08:50	Simone Mattei	Imaging across scales to investigate chitin biogenesis
	08:50-09:15	Hans Merzendorfer	The chitinous peritrophic matrix contributes to the epithelial barrier of insects
	09:15-09:40	Jonathan Cramer	COS recognition by human chitinase-like proteins: Deciphering CodeChi from an atomistic level to physiological function

09:40-10:10 *Coffee Break* **Poster Session III**

Session IV			
Chair: Koch	10:10-10:35	Alex Weber	Chitin perception by mammalian pattern recognition receptors
	10:35-11:00	Christian Gorzelanny	Biomedical impact of CodeChi - Linking inflammation and regeneration
	11:00-11:25	Margareta Hellmann	Cell wall modifications catalyzed by chitin deacetylases and their influence on the human immune response to human pathogenic fungi
	11:25-11:50	Gregor Lang	Composite materials for biofabrication

11:50-12:00 **General Discussion and Closing Remarks**

12:00-13:00 **Finger Food and Refreshment**

 Brasserie
 Seminar-
raum
US-S 002



Venue location: University of Siegen, Campus Unteres Schloß, Obergraben 25, 57072 Siegen (Room US-S 002).
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