

iGRADplant Symposium 2015

July 1-2, 2015
Heinrich Heine University Düsseldorf
Building 24.41 (Library lecture hall)

Day 1 - July 1st, 2015

Chair: Myles Levey	09:20	Opening remarks	
	09:30	Markus Pauly	Plant cell walls: Biosynthesis, structure and resources for biofuels
	10:00	Christoph Benning	Regulation of Cellular Quiescence in Microalgae
	10:30	Curt Wilkerson	<i>In vitro</i> xylan synthesis using a non-plant heterologous expression system
	11:00	Coffee Break	
Chair: Sarah Richards	11:30	Ilka Axmann	Synthetic RNA-based control units for balanced triterpene biosynthesis in cyanobacteria
	12:00	Susanne Hoffmann-Benning	Mechanisms of long-distance lipid signaling
	12:30	Federica Brandizzi	The plant secretory pathway: a formidable production chain
	13:00	Lunch Break	
Chair: Mohammad Habib	14:30	Alga Zuccaro	<i>Piriformospora indica</i> recognition and evasion of plant host immunity
	15:00	Brad Day	Pathogen manipulation of plant actin cytoskeletal dynamics
	15:30	Maren Friesen	Symbiotic and transcriptomic dimensions of trifolium biodiversity
	16:00	Coffee Break	
Chair: Ian Beddows	16:30	Jonathan Walton	Alpha-amanitin from poisonous mushrooms, the first fungal ribosomally encoded cyclic peptide
	17:00	Thorsten Langner	Characterization of the chitinolytic machinery of <i>Ustilago maydis</i>
	17:30	Concluding Remarks	

Day 2 - July 2nd, 2015

Chair: Fabian Brandenburg	09:15	Ute Höcker	Control of plant growth and development by the light environment
	09:45	Beronda Montgomery	Color vision and developmental adaptation in plants
	10:15	Eva Farre	The regulation of gene expression by PSEUDO-RESPONSE REGULATORS
	10:45	Coffee Break	
Chair: Julia Kleinmanns	11:15	Oliver Ebenhöh	Optimality principles in plant energy metabolism
	11:45	Jianping Hu	Connecting peroxisomal functions to global physiological, metabolic, and stress response networks: proteomics, genetics and agricultural implications
	12:15	Lunch Break	
Chair: Daniel Hartleb	13:45	Jennifer Lau	Using quantitative genetics and experimental evolution to test for adaptation to novel environments
	14:15	David Heckmann	Machine learning techniques for predicting photosynthetic leaf traits from reflectance spectra
	14:45	Farewell	

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