

# iGRADplant Retreat 2015 – Nümbrecht – July 3-5, 2015

## Program

### Day 1 - July 3rd

Session	Plant-Microbe Interactions		
	08:30	Opening remarks	
Chair: Dominik Brilhaus	08:35	Mohammad Habib	Contrasting evolutionary histories within symbiotic receptor genes
	08:55	Sophie Rommel	The role of endophytes in <i>Solanum - Phytophthora</i> interactions
	09:15	Ian Beddows	Population structure in the recently split wild tomatoes <i>S. chilense</i> and <i>S. peruvianum</i> along the western coast of South America
	09:35	5 minute break	
	09:40	Lamprinos Frantzeskakis	Findings in the genome of the fungal smut pathogen <i>Thecaphora thlaspeos</i>
	10:00	Kaitlyn Courville	Infection biology of the smut fungus <i>Thecaphora thlaspeos</i> in its Brassicaceae hosts
	10:20	Nicola Scholten	Identification and functional characterization of salicylic acid-related metabolites
	10:30	Coffee break	
Session	Plant Physiology and Metabolism		
Chair: Angelo Agossou Yao	11:00	Alexander Hofmann	The characterisation of receptor-like kinases from <i>Arabidopsis thaliana</i>
	11:20	Florian Hahn	Editing Plant Genomes using CRISPR/Cas9
	11:40	Björn Hielscher	SIT - A plant-specific carrier involved in mitochondrial sulfate transport
	12:00	Fabian Brandenburg	Manganese management by the transport protein MNX is critical for efficient photosynthesis in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803
	12:20	Lunch break	
Session	Plant Physiology and Metabolism		
Chair: Kaitlyn Courville	13:50	Regina Gratz	Regulation of iron acquisition from the soil is dependent on post-translational events: Phosphorylation of the <i>Arabidopsis thaliana</i> basic helix-loop-helix protein FER-LIKE IRON DEFICIENCY INDUCED TRANSCRIPTION FACTOR (FIT)
	14:10	Birte Schwarz	Gene and protein interaction networks for adaptation to iron deficiency stress
	14:20	Kathrin Gerstendörfer	Regulation of the zeaxanthin epoxidase
Excursion	15:00	Departure	

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## Day 2 - July 4th

Session	Plant Physiology and Metabolism		
	08:30	Opening remarks	
Chair: Alexander Hofmann	08:35	Sarah Richards	The evolution of peptide families involved in plant development
	08:55	Daniel Hartleb	GlobalFit: Automatically refining metabolic models by simultaneously matching sets of experimental growth and non-growth data
	09:15	Hugo Dourado	Constraint-based metabolic simulations of simple cellular models
	09:25	Trang Schneider	Alterations to diel gene expression during acclimation to fluctuating light in <i>Arabidopsis</i> leaves
	09:45	Julia Kleinmanns	Functional Characterization of BLISTER - A Polycomb-group associated protein in <i>Arabidopsis</i>
	10:05	Coffee break	
Session	Plant Physiology and Metabolism		
Chair: Florian Hahn	10:35	Myles Levey	Photorespiration in the context of C4-photosynthesis
	10:55	Angelo Agossou Yao	Molecular characterization of alanine aminotransferases
	11:15	Anastasiia Bovdilova	Post-translational regulation and structural characterization of major C4 proteins
	11:35	Dominik Brillhaus	Comparative transcriptomics of facultative CAM in <i>Talinum triangulare</i>
	11:55	Shipan Das Gupta	Characterisation of leaf specific promoter and mutational analysis of leaf anatomy
	12:05	Concluding remarks	
	12:10	Lunch break	
Excursion	14:00	Bus departure	

## Day 3 - July 5th

Departure	09:00	Bus shuttle back to HHU
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