

iGRAD Plant Retreat 2017 - Day 1

	14:00	Departure from Düsseldorf	
	15:30	Coffee Break	
Session 1 - Iron & Evolution			
	16:00	Opening Remarks	
Chair: Florian	16:10	Regina Gratz	Activation of FIT by protein phosphorylation promotes iron acquisition
	16:30	Daniela Lichtblau	Interactions and functions of the transcription factor network for iron-regulated responses
	16:50	Birte Schwarz	Identification of potential iron deficiency CREs in <i>Arabidopsis thaliana</i>
	17:10	10 min break	
Chair: Antonio	17:20	Amir Bahramisharif	Suppression of late blight disease in tomato caused by <i>Phytophthora infestans</i> using biocontrol
	17:40	Ian Beddows	Hybridization and the flora of Michigan
	18:30	Dinner	
		Social get-together	

iGRAD Plant Retreat 2017 - Day 2

from 07:00 Breakfast			
Session 2 - Photosynthesis I			
Chair: Amir	09:00	Maria Paola Puggioni	Role of the photoreceptor cryptochrome 1 in excess light signaling and photosynthetic acclimation in <i>Arabidopsis thaliana</i>
	09:20	Meng-Ying Lin	Identification of Factors Governing CO ₂ Concentration Mechanisms in the <i>Moricandia</i>
	09:40	Nils Koppers	A genomic perspective on the evolution of C4 photosynthesis in <i>Brassicaceae</i>
	10:00	Anastasiia Bovdilova	Decoding C ₄ -specific signatures of enzymes involved in the C ₄ photosynthetic pathway
10:20 Coffee Break			
Session 3 - Photosynthesis II			
Chair: Rocio	10:50	Eva Maleckova	Facultative Crassulacean Acid Metabolism: Induction with Abscisic Acid
	11:10	Antonio Rigueiro	A mechanistic model for computational analysis of CAM photosynthesis
	11:30	Marc-Sven Röhl	FormatPlant: Increasing agricultural yield through formate assimilation via optimized synthetic pathways
12:30 Lunch			
Session 4 - Metabolism & Signaling			
Chair: Björn	14:00	Hugo Dourado	Enzymes and Substrates are Balanced at Minimal Combined Mass Concentration <i>in vivo</i>
	14:20	Alexander Hoffmann	The characterization of receptor-like kinases from <i>Arabidopsis thaliana</i>
	14:40	Jonathan Fritze-meier	Next generation metabolic modelling: a software for nonlinear optimization problems
	15:00	Fabian Brandenburg	Mn transport proteins are crucial for efficient photosynthesis in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803
15:20 Election new Captains			
15:30 Coffee Break			
Session 5 - Pathogens			
Chair: Maria	16:00	Kristin Bösch	The RNAi system in the Brassicaceae smut fungus <i>Thecaphora thlaspeos</i>
	16:20	Seomun Kwon	Missions outer space: Isolation and analysis of <i>Ustilago maydis</i> extracellular vesicles
	16:40	Summia Gul	Investigating the role of Berberine Bridge-like enzymes in pathogen-inducible metabolism and acquired resistance in Arabidopsis
17:15 Walk			
19:00 Dinner			
20:00 Kegeln			

iGRAD Plant Retreat 2017 - Day 3

	7:00 - 9:00 Breakfast		
	Checkout latest until 10:00		
Session 6 - Transporters			
Chair: Hugo	09:30	Franziska Kuhnert	Unraveling the molecular function of the mitochondrial carrier A BOUT DE SOUFFLE (BOU) from <i>Arabidopsis thaliana</i>
	09:50	Björn Hielscher	Member of the mitochondrial phosphate transporter family – PHT3;3
	10:10	Lennart Charton	<i>In vivo</i> characterization of the peroxisomal adenine nucleotide carrier PNC1 and PNC2 in <i>Arabidopsis thaliana</i>
	10:30	Coffee Break	
Session 7 - Methods			
Chair: Meng-Ying	11:00	Rocio Ochoa Fernandez	Development of Optogenetic Tools for Plant Synthetic Biology
	11:20	Florian Hahn	Genome editing in <i>Arabidopsis</i> using CRISPR/Cas9
	11:40	Concluding Remarks	
	12:00	Lunch	
	13:30	Departure	