

# iGRAD-Plant Retreat 2018 - Schedule

## Day 1 – May 25

	08:50	<b>Welcome</b>	
<b>Session 1</b>	<b>Photosynthesis I &amp; Synthetic Biology</b>		
Chair: Lesley Plücker	09:00	Eva Maleckova	Abscisic acid-inducible crassulacean acid metabolism: Early metabolic response
	09:20	Marc-Sven Röhl	Improving plant carbon efficiency by an alternative provision of one-carbon compounds
	09:40	Franziska Kuhnert	Unraveling the molecular function of the mitochondrial carrier A BOUT DE SOUFFLE from <i>Arabidopsis thaliana</i>
	10:00	Maria Paola Puggioni	Role of CRYPTOCHROME 1 in sustaining photosynthesis under excess light
	10:20	Rocio Ochoa-Fernandez	Development of optogenetic tools for plant synthetic biology
	10:40	Coffee Break	
<b>Session 2</b>	<b>Photosynthesis II &amp; Development</b>		
Chair: Eva Maleckova	11:10	Nils Koppers	A genomic perspective on the evolution of C <sub>4</sub> photosynthesis in <i>Brassicaceae</i>
	11:30	Meng-Ying Lin	Regulatory variation associated with the CO <sub>2</sub> Concentration Mechanism in <i>Moricandia</i>
	11:50	Shipan Das Gupta	The C <sub>4</sub> <i>Ppc</i> promoter of many C <sub>4</sub> grasses share a common regulatory mechanism for gene expression in the mesophyll cell
	12:10	Jenia Schlegel	Redundancy and specificity of peptide triggered stem cell signaling pathways
	12:30	Lunch Break	
	14:00	Excursion: Hiking around Wegberg	
	18:30	BBQ at Hotel	

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## Day 2 – May 26

Session 1	Plant-Microbe Interactions		
Chair: Janina von Dahlen	09:00	Seomun Kwon	Extracellular vesicles of <i>Ustilago maydis</i> may be RNA-loaded trojan horses
	09:20	Kristin Bösch	The RNAi system in the Brassicaceae smut fungus <i>Thecaphora thlaspeos</i>
	09:40	Summia Gul	Characterization of smut fungal effectors responsible for plant infection
	10:00	Lesley Plücker	<i>Thecaphora thlaspeos</i> : plant responses vs virulence factors during infection
	10:20	Coffee Break	
Session 2	Cellular networks		
Chair: Seomun Kwon	10:50	Birte Schwarz	Identifying putative iron deficiency <i>cis</i> -regulatory elements in <i>Arabidopsis thaliana</i> by building machine learning models
	11:10	Daniela Lichtblau	Interactions and functions of the transcription factor network for iron-regulated responses
	11:30	Janina von Dahlen	Evolutionary characterization of the miR482 / R-gene interaction in Solanaceae
	11:50	Jonathan Fritze	The network of horizontally transferred genes in rhizosphere metagenomes
	12:10	<b>Closing Remarks</b>	
	12:20	Lunch Break	
	13:40	Excursion: Landschaftspark Nord Duisburg	
	19:00	Dinner at Hotel	

## Day 3 – May 27

	09:00	<b>Departure</b>
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