

# iGRAD-Plant Symposium 2018

May 23-24, 2018

Heinrich Heine University Düsseldorf, Building 24.41



Day 1

Wednesday, May 23

	09:00	<b>Registration</b>	
	09:50	<b>Welcome</b>	
Chair: Marc-Sven Röll	10:00	Robert Last	Evolution and the single cell: Solanaceae specialized metabolism
	10:30	David Kramer	Revealing photosynthetic regulatory paradigms using natural variations and massive, community-based field measurements
	11:00	Thomas Sharkey	Elaborations of the Calvin-Benson Cycle: Historical concerns and new Insights
	11:30	Coffee Break	
Chair: Birte Schwarz	12:00	Erich Grotewold	Systems approaches to unravel plant gene regulatory networks
	12:30	Danny Schnell	A systems level analysis to understand the control of the metabolic and genetic networks controlling seed oil production using the model oilseed crop plant, <i>Camelina sativa</i>
	13:00	Lunch Break	
Chair: Franziska Kuhnert	14:30	Andre Velásquez	Understanding bacterial stasis after activation of plant immunity
	15:00	Christoph Benning	Membrane lipid remodeling for oil production and stress protection
	15:30	Susanne Hoffmann-Benning	Lipids on the move: Evidence for a role of lipid-mediated long-distance stress signaling
	16:00	Coffee Break	
Chair: Rocio-Ochoa-Fernandez	16:30	Danny Ducat	Designing modular, light-driven microbial consortia for bioproduction
	17:00	Wolf Frommer	Tool development exemplified by fluorescent biosensors
	17:40	<b>Concluding Remarks</b>	

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Day 2

Thursday, May 24

Chair: Daniela Lichtblau	09:30	Jianping Hu	Modulation of plant peroxisome protein import by the ubiquitin-proteasome system
	10:00	Federica Brandizzi	Mechanisms and role of the plant endoplasmic reticulum in protein synthesis and membrane traffic
	10:30	Eva Farré	Nannochloropsis species: a model to study the biology of stramenopiles
	11:00	Coffee Break	
Chair: Maria Paola Pugioni	11:30	Curtis Wilkerson	Increasing biomass in grasses by identifying genes involved in mixed-linkage glucan biosynthesis
	12:00	Benjamin Stich	Prospects and potential uses of genomic prediction of key performance traits in tetraploid Potato
	12:40	Lunch Break	
Chair: Jenia Schlegel	14:00	Shin-Han Shiu	A model-based approach for identifying functional intergenic transcribed regions and non-coding RNAs
	14:30	Matias Zurbriggen	Plant and mammalian synthetic biology approach for the understanding and control of cellular processes
	15:10	<b>Closing Remarks</b>	

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**iGRAD-Plant Homepage:**

<http://www.igrad-plant.hhu.de/symposiums-retreats/symposium-retreat-2018.html>