PROGRAM | THURSDAY 22 JUNE

08:15 - 09:00

Registration & coffee

09:00 - 09:15

Welcome by Dirk Inzé

Plenary session		CONCERTZAAL	Plenary session	2	CONCERTZAA
HEALTHIER CROPS Chair: Dirk Inzé		Chair: Dirk Inzé	IMPROVING CROPS THROUGH PLANT ARCHITECTURE		Chair: Hilde Nelisser
09:15 - 09:45	Fortifying vitamins in tomato using genome editing Cathie Martin , <i>John Innes Centre</i> , <i>UK</i>		14:15 - 14:45	Leaf Development in Grasses Annis Richardson, University of Edinburge	rh, GB
09:45 - 10:15	Unlocking the Polyploid Potential of Wheat Through Cristobal Uauy, John Innes Centre, UK	n Genomics	14:45 - 15:15	How deep is the conservation of plants' of Idan Efroni, The Hebrew University, IL	cis-regulatory code?
10:15 - 10:30 Poster 64	Selected talk: Motif Mining with Deep Learning - Accelerating identification, annotation and inference of gene regulatory networks in plants Fritz Peleke, IPK Gatersleben, DE		15:15 - 15:45	Identifying new tomato fruit growth regu variability Nathalie Gonzalez , <i>INRAE Bordeaux</i> , <i>FR</i>	
10:30 - 11:00			15:45 - 16:00 Poster 92	Selected talk: Modulation of tomato grown microProtein-engineering Ylenia Vittozzi, University of Copenhagen,	
11:00 - 11:30	Understanding and altering photoprotection to improductivity Krishna Niyogi, <i>University of California, Berkeley, US</i>	prove crop	16:00 - 16:30	Coffee break	
11:30 - 12:00	Improvement of maize, soybean, and wheat using stranscription factors. The long way from the labora greenhouse and from the greenhouse to the field		Plenary session	3	CONCERTZAA
	Raquel L. Chan, CONICET/UNL, AR		HOW DO CROI	PS COPE WITH BIOTIC STRESS?	Chair: Julia Bailey-Serre
12:00 - 12:15 Poster 74	Selected talk: Application of RNA-based bioprotectants sustainable crop production in a changing climate Ana Sede, Institut de Biologie Moléculaire des Plantes (la Strasbourg, FR		16:30 - 17:00	The strawberry - <i>Botrytis cinerea</i> interacti Barbara De Coninck, <i>Division of Crop Bio</i>	
12:15 - 13:15	Lunch		17:00 - 17:30	How to trick a plant pathogen? Sophien Kamoun, The Sainsbury Laborate	tory, UK
13:15 - 14:15	Poster Session - Odd numbers		17:30 - 18:30	Reception	
			18:30 - 22:00	Boat trip & conference dinner	

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CONCERTZAAL

08:30 - 09:15 Coffee Plenary session 5

Plenary session 4 CONCERTZAAL

HOW DO CROP	S ADAPT TO ABIOTIC STRESS?	Chair: Lieven De Veylder
09:15 - 09:45	Regulatory hierarchies that shape plasticity Julia Bailey-Serres , <i>University of California</i> –	
09:45 - 10:15	Epigenetic & abiotic stress mediated transci Thelma Madzima , <i>University of Washington B</i>	=
10:15 - 10:45	Coffee break	
10:45 - 11:15	Resilience to soil stresses from dynamic roc Kaisa Kajala , <i>Utrecht University, NL</i>	ot barriers
11:15 - 11:45	Targeting root traits to improve pearl millet Ndjido Kane, <i>ISRA - CERAAS, SN</i>	tolerance to drought
11:45 - 12:15	Plant organ growth under drought: from ce molecular networks Hilde Nelissen, VIB-UGent Center for Plant Sys	
12:15 - 13:15	Lunch	
13:15 - 14:15	Poster Session - Even numbers	

BENEFICIAL INTERACTIONS OF SOIL MICROBIOME Chair: Caixia Gao 14:15 - 14:45 Enhancing phosphate acquisition through arbuscular mycorrhizal symbiosis Maria Harrison, Boyce Thompson Institute for Plant Research, US 14:45 - 15:15 Achieving sustainable productivity in agriculture through beneficial microbial associations Giles Oldroyd, University of Cambridge, UK 15:15 - 15:30 Selected talk: Wheat lines differing in yield, root architecture and mucilage secretion show associated changes in rhizosheath microbiome Poster 59 composition Eric Ober, National Institute of Agricultural Botany (NIAB), GB 15:30 - 16:00 Coffee break Plenary session 6 **CONCERTZAAL**

HOW DO CROPS COPE WITH BIOTIC STRESS?

Chair: Cristobal Uauy

16:00 - 16:30	Gross chromosomal rearrangements and chromosome engineering					
	Martin Lysak, Central European Institute of Technology (CEITEC), Masaryk					
	University, CZ					

	Ling Meng, KWS Gateway Research Center, US
Poster 52	genome editing in maize
16:30 - 16:45	Selected talk: Single-cell targeted chemical or genetic boosting of

16:45 - 17:15 Next Generation CRISPR Technologies and Their Applications in Crop

Caixia Gao, Institute of Genetics and Developmental Biology, CN

17:15 - 17:45 Overcoming Bottlenecks in Plant Gene Editing

Dan Voytas, University of Minnesota, US & Co-Founder & CSO, Calyxt, US

Improvement