Sunday, April 23, 2023

17:00-19:00			**Arrival, Registration**	
19:30-22:00			**Welcome Reception with Evening Buffet**	

Monday, April 24, 2023, Morning

08:00			**Opening** **Prof. Dr. Holger B. Deising**	
	Abstract ID		**Session 1a: New Fungicides** **Chair: Dr. Gerd Stammler**	
08:30	8	v. Tiedemann, A.	**Keynote 1**: Will we still need, have and use fungicides in twenty years?	1
09:00	12a	Jørgensen,L.N.	**Keynote 6:** Practical disease management in cereals – a historic view, including hurdles with fungicides resistance and a future with more specific IPM	2
09:30	22	Hufnagl, A.	AdaveltTM active (florylpicoxamid), a new broad spectrum picolinamide fungicide	3
09:50	72	Olaya, G.	Sensitivity of more than 35 Pythium species to the new fungicide Picarbutrazox	4
10:10	80	Steinberg G.	Azoles mode of action- it is different from what we thought	5
10:30			Coffee	
	Abstract ID		**Session 1b: New Fungicides - New Tools for Disease Control** **Chair: Dr. Helge Sierotzki**	
10:50	13	Talbot, N.	**Keynote 3**: Can a knowledge of septin-dependent plant infection by the blast fungus Magnaporthe oryzae be used for disease control?	1
11:20	84	Boutton, C.	EVOCA, the first biofungicide developed by Biotalys' AGROBODY Foundry™ platform.	2
11:40	24	Conrath, U.	Priming plants for enhanced defense	3
12:00	48	Beckers, G.	Novel priming-inducing near-natural compounds: from the lab to the field	4
12:20	21	López Laguna, A.	The potential of the RNAi strategy in the control of Botrytis cinerea in horticultural crops	5
12:45			Lunch	

Monday, April 24, 2023, Afternoon

	Abstract ID			
			Session 2a: Molecular mechanisms of fungicide resistance **Chair: Prof. Dr. Holger B. Deising**	
13:45	11	Miao, J.	**Keynote 4**: Activity and Resistance-Related Point Mutation in Target Protein ORP1 of the OSBPI fungicides in Phytophthora spp.	1
14:15	17a	Matsuzaki, Y.	Detection of *SDHC –I87F* in cereal leaf rust	2
14:35	19	Hoffmeister, M.	A rare event of QoI resistance in Pyrenophora teres could be caused by an interspecific partial cytochrome b gene transfer by Pyrenophora tritici-repentis	3
14:55	63	Turo, C.	Fungicide resistance evolution driven by transposable elements in Pyrenophora teres f. teres	4
15:15			Coffee	
			Session 2b: Molecular mechanisms of fungicide resistance **Chair: PD Dr. Erich-Christian Oerke**	
15:35	59	Lopez-Ruiz, F.	Interspecific hybridisation, intragenic recombination and clonal expansion as a new fungicide resistance evolutionary mechanism in plant pathogenic fungi	1
15:55	52	Bolton, M.	CbCyp51 mediated DMI resistance is modulated by codon bias	2
16:15	65a	Sofianos, G.	Unravelling the frequencies and molecular mechanisms of Multiple and Multidrug Resistance in Botrytis cinerea	3
16:35	116	Barber, A.	Antifungal Resistance in the One Health Context: Lessons from Aspergillus fumigatus	4
17:00-18:30			**Poster Demonstration** for details see below	

Tuesday, April 25, 2023, Morning

	Abstract ID			
			Session 3: Fungicide resistance: Mechanisms and diagnosis **Chair: Dr. Bart Fraaije**	
08:00	37	Kleemann, J.	Portable Genotyping Analysis Platform (PGAP) – a novel approach to monitor fungicide resistance mutations from anywhere using Oxford Nanopore Sequencing	1
08:20	25b	Cherrad, S.	New insights from long read sequencing to explore variants of Plasmopara viticola involved in resistance to complex III inhibitors, zoxamide and oxathiapiprolin in field populations.	2
08:40	27	Hilz, E.	Fluopicolide Mode of Action Elucidation	3
09:00	31	Huf, A.	Occurrence and distribution of CYP51 haplotypes of Zymoseptoria tritici in recent years in Europe	4
09:20	38	Stilgenbauer, S.	New insights into the evolution of DMI sensitivity of Phakopsora pachyrhizi	5
09:40			Coffee	
	Abstract ID		**Session 4: Fungicide resistance: Mechanisms, diagnosis, predictions** **Chair: Dr. Gerd Stammler**	
10:00	10	Scalliet, G.	**Keynote 5:** Predicting resistance	1
10:30	44	Patry-Leclaire, S.	Large scale screen of potential MDR isolates in contemporary Z.t. populations reveals genotypic and phenotypic diversity suggesting multiple molecular mechanisms involved in MDR field strains	2
10:50	45	Zulak, K.	Exploiting long read sequencing to detect fungicide resistance mutations in Pyrenophora teres species	3
11:10	47	Puccetti, G.	The complex genetic landscape of fungicide resistance evolution in Zymoseptoria tritici	4
11:30	54	Derpmann, J.	SDHI cross-resistance pattern of Erysiphe necator field genotypes and consequences for Grape Powdery Mildew control	5
11:50	88	Hsiang, T.	Naturally occurring propiconazole-tolerant fungal isolates in the phyllosphere of Agrostis stolonifera	6
12:10	50	Wyatt, N.	Temporal Population Dynamics of Cercospora beticola Fungicide Resistance	7
12:30			Photo of Particpants	8
12:50			Lunch	
14:00-22:00			Bus leaves at hotel for Excursion to Weimar	

Wednesday, April 26, 2023, Morning

	Abstract ID			
			Session 5: Resistance monitoring **Chair: Dr. Andreas Mehl**	
08:00	41	Borghi, L.	Fungicide sensitivity profiling of European oomycete populations	1
08:20	49	Torriani, S.	The evolutionary history of Zymoseptoria tritici sensitivity to DMI and SDHI fungicides	2
08:40	55	Nanni, I.M.	Monitoring and tracking changes in sensitivity to zoxamide fungicide in Plasmopara viticola in Italy	3
09:00			cancelled	4
09:20	76	Schnabel, G.	Sensitivity of Monilinia fructicola isolates from southeastern peach orchards to propiconazole and thiophanate methyl; a new survey	5
09:40	82	Gelain, J.	Outbreak of post-harvest sour rot on peach associated with point mutation in CYP51B gene	6
10:00	7a	Stammler, G.	Current update on the fungicide sensitivity of Erysiphe necator (grape powdery mildew) in Europe	7
10:20			Coffee	

	Abstract ID			
			Session 6a: Fungicide resistance risk assessment and management **Chair: Prof. Dr. Holger B. Deising**	
10:40	43	Toffolatti, S.	The management of grapevine downy mildew from antiresistance strategies to innovative approaches for fungicide resistance monitoring	1
11:00	39	Khan, M.	Doing what is right is more economical than doing what is easy for managing C. beticola in sugar beet	2
11:20	53	Miles, T.	A FRAMEwork for managing fungicide resistance in grapes	3
11:40	62	Paveley, N.	Choice of resistance management tactics: how flexible should we be?	4
12:00	42c	Walker, A.S.	Assessment of Resistance Risk to the QoI fungicide Metyltetraprole	5
12:20	101	Adaskaveg, J.	New fungicides for managing Phytophthora diseases of tree crops include foliar and soil applications	6
12:50			Lunch	

Wednesday, April 26, 2023, Afternoon

	Abstract ID		**Session 6b: Fungicide resistance risk assessment and management** **Chair: Dr. Helge Sierotzki**	
14:00	9	Thines, E.	**Keynote 2**: Natural products as lead structures for agrochemicals: is there anything to be discovered?	1
14:30	81	Kildea, S.	Managing ramularia leaf spot of barley in Ireland post chlorothalonil	2
14:50	42a	Walker, A.S.	Limiting Resistance by Alternating or Mixing Fungicides? Resistance Status Trumps both Management Strategies	3
15:10	42b	Walker, A.S.	Antagonistic Pleiotropic Effects Reduce Adaptation in a Major Wheat Pathogen	4
15:30	30	Siepe, I.	Just one at a time: Fungal population experiments with Zymoseptoria tritici and metyltetraprole demonstrate the incompatibility of different cytochrome B mutations	5
15:50			Coffee	

	Abstract ID		**Session 6c: Fungicide resistance risk assessment and management** **Chair: Dr. Andreas Mehl**	
16:10	23	Ishii, H.	Sequence analysis of pathogen dihydroorotate dehydrogenase (DHODH), the target enzyme of the novel fungicides ipflufenoquin and quinofumelin	1
16:30	56	Miles T. / Neugebauer, K.	Assessing fungicide resistance and management of late season cluster rots in Michigan wine grapes	2
16:50	58	Mair, W.	Succinate dehydrogenase inhibitor fungicide resistance emerges in Australian populations of Pyrenophora teres f. teres and P. teres f. maculata	3
17:10	74	Torriani, S.	How to manage soybean diseases and resistance evolution in Brazil	4
17:30	91	Pfordt, A.	Trichoderma afroharzianum – A new pathogen in maize	5

Thursday, April 27, 2023, Morning

	Abstract ID			
			Session 7: Fungicide resistance modelling **Chair: Dr. Bart Fraaije**	
08:00	64	Cosseboom, S.	CRISPR-enabled investigation of fitness costs associated with ß-tubulin E198A in Colletotrichum siamense	1
08:20	70	Hawkins, N.	Assessing the predictability of resistance evolution through in vitro selection	2
08:40	61	Paulus, S.	FarmerSpace – a trial field for digital crop protection in sugar beet production	3
09:00	40	Laborde, M.	The potential influence of increasing air temperature and elevated CO2 air concentration on the efficacy level of some important fungicides	4
09:20	28	Matyjaszczyk, E.	The EPPO Database on Resistance Cases	5
09:40	36	Corkley, I.	Modelling Resistance Management Benefits of Diversity within a Fungicidal Mode of Action with Incomplete Cross-resistance: The Azoles Example	6
				7
10:00			Coffee	

	Abstract ID			
			Session 8: Bio-rational fungicides / biocontrol **Chair: PD Dr. Erich-Christian Oerke**	
10:20	68	Schnabel G./Kaur, H.	Management of botrytis blight in ornamental flowers with calcium propionate	1
10:40	2	Deising, H.B./	Are microbial biological control agents (MBCAs) consumers' friends or foes?	2
11:00	69	Schmitt, A.	Ways forward in copper reduction - strategies developed in RELACS	3
11:20	67	Beesley, A.	Tailoring coumarin biosynthesis for an improved crop protection	4
11:40	66	Weber Böhlen, J.	Engineering isoscopoletin biosynthesis for crop protection.	5
12:00			**Closing**	
12:15			**END of SYMPOSIUM**	

Posterdemonstration, Monday, April 24, 2023, 17:00-18:30, Details s. below