

Programme YSM Conference 13th to 15th November 2024

Wednesday, 13th November	
10:30 – 12:00	Registration & Snacks
12:00 – 12:45	Opening by Prof. Flachowsky (JKI), Mr. Bettig (LfULG) and Prof. Cierjacks (HTW)
12:45 – 13:30	Icebreaker
13:30 – 14:45	Session A , session chair Matthias Pfeifer
	T1 – Kola, Amedeo (EP) Licorice (<i>Glycyrrhiza glabra</i>) leaf extract and its biostimulant activity
	T2 – Defant, Fanny Christine (A) <i>brought forward from Friday</i> <i>Sonchus arvensis</i> – an increasing weed?
	T3 – Vatanparast, Mohammad (SB) Advancing risk assessment frameworks for dsRNA pesticides: insights from the RATION initiative
	T4 – Merkel, Lisa (SB) <i> canceled</i> Evaluating exogenous application of dsRNA as crop protection strategy against aphids
	T5 – Seeling, Cindy (PB) The effect of nitrification inhibitors on crop production in Germany
14:45 – 15:15	Coffee break
15:15 – 16:30	Session B , session chair Martin Maag
	T6 – Niemann, Jan-Uwe (AT) Uniform sowing patterns as a basis for precision applications in crop production
	T7 – Sushmoy, Depoprio Roy (RS) Discovery of unused genetic variation for resistance against loose smut (<i>Ustilago nuda</i>) with a focus on organic winter barley breeding
	T8 – Dillschneider, Eva-Marie (AT) Spot farming – understanding the impact of shade on crop growth and sustainable agriculture
	T9 – Thelen, Kathrin (ZL) Prediction accuracy of genomic prediction and estimation of segregating variances in experimental data of potato
	T10 – Raetz, Sonja (EP) Application of beneficial bacteria as an induced resistance-based approach for enhanced resilience of spring barley against <i>Ramularia collo-cygni</i> infection
16:30 – 16:45	Coffee break
16:45 – 18:00	Poster session I
20:00	Bowling Arena Dresden

Thursday, 14th November

08:30 – 09:30	Session C , session chair Buist Muçaj
	<p>T11 – Zhang, Yujie (ZG) A multi pose time series <i>Solanum lycopersicum</i> dataset for fine-grained phenotyping with distributed models</p> <p>T12 – Wu, Po-Ya (ZL) Optimal implementation of genomic selection in tetraploid potato breeding programs</p> <p>T13 – Pilz, Raphaela (ZO) Development of molecular markers for breeding of climate-adapted cherry cultivars with late flowering time</p> <p>T14 – Yagoubi, Amira (EP) Tetracycline-degrading <i>Erwinia sp.</i>: enhances growth and stress resilience in pea plants</p>
09:30 – 09:45	Coffee break
09:45 – 10:45	Keynote , Perspectives of Future Crop Protection – Limitations and Opportunities by Prof. Andreas von Tiedemann University of Göttingen
10:45 – 11:00	Coffee break
11:00 – 12:15	Session D , session chair Luisa Baader
	<p>T15 - Kreidl, Jakob (ZG) Investigating volatile compounds and terpenoid biosynthesis in marjoram: A bottom-up approach</p> <p>T16 – Namli, Sahin (EP) Uncovering resistance gene acquisition: <i>Salmonella</i> interactions with cress associated microbiota</p> <p>T17 – Gao, Yanrong (ZL) Exploring genetic variations in photosynthesis-related traits of barley in the field</p> <p>T18 – Gopal, Hemanth (A) <i>Meloidogyne enterolobii</i>: An emerging challenge for crop production</p> <p>T19 – Krause, Sophie (ÖPV) The role of flavonoids in maize resistance against pathogenic fungi (Outlook)</p>
12:15 – 13:00	Lunch break
13:00 – 14:15	Session E , session chair Sophie Richter
	<p>T20 – Tchoko, Christian Nzikoué (ZG) Potato breeding to investigate and establish an increased resistance to pectinolytic bacteria</p> <p>T21 – Schofer, Sissela (A) Weed suppression and tolerance in winter wheat – A manual for cultivar selection</p> <p>T22 – Gualotuna Rea, David Alejandro (ZG) <i>Fusarium</i> diseases affecting pea cultivars across Europe: a characterization of virulence and resistance</p> <p>T23 – Staab, Franziska (ÖPV) Beet moth biography – establishing a continuous rearing and identifying temperature dependent development parameters</p>

	T24 – Waßmann, Lisa (A) WheatFACE - Investigations on the influence of elevated CO2 concentrations on the infestation of different winter wheat cultivars with <i>Fusarium graminearum</i> under field conditions
14:15 – 14:45	Coffee break
14:45 – 16:30	Institute tour
16:30 – 16:45	Coffee break
16:45 – 18:00	Poster session II
19:30	Dinner at Burgerei

Friday, 15th November	
08:30 – 09:30	Session F , session chair Lea Broschewitz
	T25 – van Rijt, Leidy (A) Diving into the diversity of resistance-breaking <i>Globodera pallida</i> populations from the potato growing region Emsland
	T26 – Awater-Salendo, Sarah (ÖPV) Assessment of pollen beetle resistance in oilseed rape and its intergeneric hybrids under field conditions
	T27 – Schatke, Mona (A) Weed management decision based on ecological and competitive traits of the weed species
	T28 – Valle Torres, Daniel (RS) Enhancing sustainable winter rapeseed production through breeding for nitrogen use efficiency and optimization of cultivation systems
09:30 – 10:00	Coffee break
10:00 – 11:00	Keynote , Up-to-date insight into what is important when preparing a successful grant application by Dr. Florian Bittner
11:15 – 11:30	Get to know the GFF by Dr. Thomas Kühne (represented by Anja Hühnlein)
11:30 – 11:45	Coffee break
11:45 – 12:45	Awards and closing
14:00	City tour / Hiking

Poster session I, Wednesday 13th November

No:	Author	Title
1	Broschewitz, Lea (ZO)	Evaluation of the cultivar identity verification for apple, pear, and sweet cherry collections of the German Fruit Genebank
2	Witzke, Anne (A)	WheatInterfere Function of RNAi machinery in wheat rust interaction
3	Schulz, Lars-Olaf (EP)	Interactions between plant-beneficial bacteria and fungi in maize rhizosphere
4	Pink, Maximilian (BI)	Developing artificial flower platforms for hoverfly monitoring with DIY camera traps
5	Dorn, Fabio (AG)	The "Digital Information System Quarantine Pests" (DISQS): A central platform for plant health surveys of non-native pests in Germany
6	Jacobi, Julia (ZG)	Germany-wide monitoring and characterization of <i>Fusarium</i> species associated with root rot in asparagus from 2022 to 2023
7	Willgerodt, Michel (PB)	Modelling of soil mineral nitrogen in leachate using APSIM
8	Therhaag, Eva (OW)	Towards mating disruption: Analysis of vibrational signalling of <i>Pentastiridius leporinus</i>
9	Potthoff, Thade (PB)	How does slurry application technique affect gaseous nitrogen losses?
10	Noack, Jasmin (ZO)	Confirmation of trueness-to-type of strawberry cultivars from the German Fruit Genebank (GFG) by integrated genotyping and phenotyping
11	Eti, Fatiha Sultana (RS)	Detection of genetic variation for heat and drought stress response in faba bean (<i>Vicia faba</i>)
12	Otte, Anne-Kathrin (PB)	Influence of management, location and weather factors on the amount of potential nitrate loads in arable farming practice with special consideration of the post-harvest period
13	Lewin, Simon (EP)	Multiphasic approach to identify efficient bacterial inoculants to support soil and crop health under field conditions

Poster session II, Thursday 14th November

No:	Author	Title
14	Seidler, Diana (ZO)	Molecular basis of water soaking in strawberry
15	Bacher, Saskia (SF)	Ecological infrastructure map from LiDAR data and orthophotos to support pest regulation in orchards
16	Albracht, Cynthia (SB)	Boosting belowground organismic interactions for improvement of agroforestry systems performance
17	Nakamura, Yukiko (G)	Hyperspectral imaging for detection of pests and pathogens in greenhouse tomato cultivation: the EMSig project
18	Pasha, Ali (EP)	Highly curated and reliable E-probes for detection of viral pathogens in unassembled HTS datasets from hops
19	Ziehl, Annika (ZR)	Physical-mechanical berry skin traits as powerful indicators of resistance to <i>Botrytis</i> bunch rot
20	Grupe, Björn (AT)	<i>VliesFilm</i> – Development of a biodegradable mulch cover for crop protection

21	Koller, Christina (OW)	Does infection with 16SrX phytoplasmas affect the flight behaviour and nutritional content of <i>Cacopsylla pyri</i> ?
22	Medic, Marko (ZR)	ViniGWAS – Improvement of the selection of climate-resilient grapevine varieties
23	Minges, Nina (ZR)	Assessing the carbon footprint of wine production in Germany to identify additional climate change mitigation potentials in viticulture
24	Pfrieme, Anne-Kathrin (RS)	Automated quantification of <i>Sclerotinia sclerotiorum</i> in sunflowers
25	Krause, Vera (SF)	Enhancing <i>Sclerotinia</i> risk forecasting model for winter oilseed rape in Germany: Integrating crop phenology and disease development into a Decision Support System