

## Programme YSM Conference 13<sup>th</sup> to 15<sup>th</sup> November 2024

<b>Wednesday, 13<sup>th</sup> November</b>	
10:30 – 12:00	<b>Registration &amp; Snacks</b>
12:00 – 12:45	<b>Opening</b> by Prof. Flachowsky (JKI), Mr. Bettig (LfULG) and Prof. Cierjacks (HTW)
12:45 – 13:30	<b>Icebreaker</b>
13:30 – 14:45	<b>Session A</b> , session chair Matthias Pfeifer
	<b>T1</b> – Kola, Amedeo (EP) Licorice ( <i>Glycyrrhiza glabra</i> ) leaf extract and its biostimulant activity
	<b>T2</b> – Maglione, Maria (ZR) Oenological experiments to determine the quality potential of new PIWI varieties
	<b>T3</b> – Vatanparast, Mohammad (SB) Advancing risk assessment frameworks for dsRNA pesticides: insights from the RATION initiative
	<b>T4</b> – Merkel, Lisa (SB) Evaluating exogenous application of dsRNA as crop protection strategy against aphids
	<b>T5</b> – Seeling, Cindy (PB) The effect of nitrification inhibitors on crop production in Germany
14:45 – 15:15	Coffee break
15:15 – 16:30	<b>Session B</b> , session chair Martin Maag
	<b>T6</b> – Niemann, Jan-Uwe (AT) Uniform sowing patterns as a basis for precision applications in crop production
	<b>T7</b> – 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
	<b>T8</b> – Dillschneider, Eva-Marie (AT) Spot farming – understanding the impact of shade on crop growth and sustainable agriculture
	<b>T9</b> – Thelen, Kathrin (ZL) Prediction accuracy of genomic prediction and estimation of segregating variances in experimental data of potato
	<b>T10</b> – 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	<b>Poster session I</b>
20:00	Bowling Arena Dresden

## Thursday, 14<sup>th</sup> November

08:30 – 09:30	<b>Session C</b> , session chair Buist Muçaj
	<p><b>T11</b> – Zhang, Yujie (ZG) A multi pose time series <i>Solanum lycopersicum</i> dataset for fine-grained phenotyping with distributed models</p> <p><b>T12</b> – Wu, Po-Ya (ZL) Optimal implementation of genomic selection in tetraploid potato breeding programs</p> <p><b>T13</b> – Pilz, Raphaela (ZO) Development of molecular markers for breeding of climate-adapted cherry cultivars with late flowering time</p> <p><b>T14</b> – 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	<b>Keynote</b> , 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	<b>Session D</b> , session chair Luisa Baader
	<p><b>T15</b> - Kreidl, Jakob (ZG) Investigating volatile compounds and terpenoid biosynthesis in marjoram: A bottom-up approach</p> <p><b>T16</b> – Namli, Sahin (EP) Uncovering resistance gene acquisition: <i>Salmonella</i> interactions with cress associated microbiota</p> <p><b>T17</b> – Gao, Yanrong (ZL) Exploring genetic variations in photosynthesis-related traits of barley in the field</p> <p><b>T18</b> – Gopal, Hemanth (A) <i>Meloidogyne enterolobii</i>: An emerging challenge for crop production</p> <p><b>T19</b> – 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	<b>Session E</b> , session chair Sophie Richter
	<p><b>T20</b> – Tchoko, Christian Nzikoué (ZG) Potato breeding to investigate and establish an increased resistance to pectinolytic bacteria</p> <p><b>T21</b> – Schofer, Sissela (A) Weed suppression and tolerance in winter wheat – A manual for cultivar selection</p> <p><b>T22</b> – Gualotuna Rea, David Alejandro (ZG) <i>Fusarium</i> diseases affecting pea cultivars across Europe: a characterization of virulence and resistance</p> <p><b>T23</b> – Staab, Franziska (ÖPV) Beet moth biography – establishing a continuous rearing and identifying temperature dependent development parameters</p>

	<b>T24</b> – 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	<b>Institute tour</b>
16:30 – 16:45	Coffee break
16:45 – 18:00	<b>Poster session II</b>
19:30	Dinner at Burgerei

<b>Friday, 15<sup>th</sup> November</b>	
08:30 – 09:45	<b>Session F</b> , session chair Lea Broschewitz
	<b>T25</b> – van Rijt, Leidy (A) Diving into the diversity of resistance-breaking <i>Globodera pallida</i> populations from the potato growing region Emsland
	<b>T26</b> – Awater-Salendo, Sarah (ÖPV) Assessment of pollen beetle resistance in oilseed rape and its intergeneric hybrids under field conditions
	<b>T27</b> – Schatke, Mona (A) Weed management decision based on ecological and competitive traits of the weed species
	<b>T28</b> – Valle Torres, Daniel (RS) Enhancing sustainable winter rapeseed production through breeding for nitrogen use efficiency and optimization of cultivation systems
	<b>T29</b> – Defant, Fanny Christine (A) <i>Sonchus arvensis</i> - an increasing weed?
09:45 – 10:00	Coffee break
10:00 – 11:00	<b>Keynote</b> , Up-to-date insight into what is important when preparing a successful grant application by Dr. Florian Bittner
11:00 – 11:15	Coffee break
11:15 – 11:30	<b>Get to know the GFF</b> by Dr. Thomas Kühne
11:30 – 12:45	<b>Awards and closing</b>
14:00	<b>City tour / Hiking</b>

## Poster session I, Wednesday 13<sup>th</sup> 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 14<sup>th</sup> 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