9:00 Opening

9:15 Marike Boenisch: Nanoscale clustering of the cytosolic enzyme trichodiene synthase to a trichothecene biosynthetic enzyme complex at the endoplasmic reticulum resolved by superresolution microscopy and FRET.

9:30 Jorg Bormann: Tame a virus: a novel defense gene controls virus spread in the cereal pathogen *Fusarium graminearum*.

9:45 Michael Freitag: Functional characterization of chromo domain proteins in *Fusarium graminearum.*

10:00 Tania Ribeiro-Fernandes: Intracellular pH acts as a second messenger for MAPK signaling in fungi.

10:15 Gopal Subramaniam: Chemical genetics to unravel *Fusarium* development and pathogenesis.

10:30 Break

10:45 Stefania Vitale: Structure-activity relationship of α mating pheromone from the fungal pathogen *Fusarium oxysporum*.

11:00 Javier Avalos: Regulatory connections between light and the repressor of carotenoid biosynthesis CarS in *Fusarium fujikuroi* and *Fusarium oxysporum* revealed by global transcriptomics.

11:15 Daren Brown: New regulatory tricks for an old toxin cluster.

11:30 Slavica Janevska: Biosynthesis and detoxification of trichosetin is regulated by two cluster-specific transcription factors in *Fusarium fujikuroi*.

11:45 José María Díaz-Mínguez: FTF2, the core genome gene of the *Fusarium oxysporum* FTF family, is involved in macroconidia production and recognition by the host plant.

12:00 Lunch

13:00 Announcements

13:15 Dilay Ayhan: Experimental evolution of *Fusarium oxysporum* reveals genome rearrangements as the major evolution mechanism governing short-term evolution.

13:30 Lynn Epstein: *Fusarium oxysporum* species complex isolates in celery with symptoms of Fusarium yellows: emergence of race 4 and characterization of the four races and non-pathogenic isolates.

13:45 Asaf Salamov: Predicting dispensable chromosomes (scaffolds) in newly sequenced *Fusarium* species.

14:00 Peter van Dam: SMRT sequencing reveals a transferrable pathogenicity chromosome in *Fusarium oxysporum* f.sp. *radicis-cucumerinum*.

14:15 Laura Wendell: Investigating pathogenicity and genetic diversity within the clinically relevant *Fusarium solani* species complex.

14:30 Break

14:45 Amy Kelly: Comparative population genomics of *Fusarium graminearum* reveals adaptive divergence among cereal head blight pathogens.

15:00 Donald Gardiner: The cereal pathogen *Fusarium pseudograminearum* produces a mimic of cytokinin plant hormones.

15:15 Ana Machado: Roles of specific *Fusarium graminearum* secreted proteins during Fusarium Head Blight Disease.

15:30 Michael Mentges: Transcriptomics and experimental proof that compound appressoria are arsenals of *Fusarium graminearum.*

15:45 Weihua Tang: Understanding *Fusarium graminearum*-host interactions by cellular tracking and gene profiling.