



## Preliminary program

All times are in Central European Summer Time

**Monday 31/05/2021**

09:00 - 09:15	<b>Session 1: Opening Session</b>		
09:15 - 11:05	<b>Session 2: Population Genetics 1</b>		
09:15 - 09:45	Plenary 1	Theo van der Lee	<i>Fusarium</i> populations at drift; recording the changes and approaches to understand the drivers.
09:45 - 10:05	Oral 1	Chiara Dall'Asta	Exploring the chemodiversity of a pathogenic and phylogenetically characterized set of <i>F. proliferatum</i> strains isolated from symptomatic date palm plants in Southern-Tunisia.
10:05 - 10:25	Oral 2	Luigi Faino	Evolution of mini-chromosomes in <i>Fusarium verticillioides</i>
10:25 - 10:55	Plenary 2	Hao Zhang	Population analysis of <i>Fusarium graminearum</i> species complex in different cropping systems in China
11:15 - 12:05	<b>Session 3: Host-Pathogen Interactions</b>		
11:15 - 11:45	Plenary 3	Fiona Doohan	Genes and gene clusters for DON and FHB resistance
11:45 - 12:05	Oral 3	Sebastian Michel	Merging Genomics and Transcriptomics for Predicting Fusarium Head Blight Resistance in Wheat
12:05 - 12:25	Oral 4	Dianevis González-Peña Fundora	The over-expression of <i>Fusarium graminearum</i> MAPK, Mgv1, alters fungal biochemistry but does not affect morphocultural phenotypes or virulence in wheat heads
12:50 - 15:00	<b>Poster session 1</b>		
15:00 - 16:30	<b>Session Population Genetics 2</b>		

15:00 - 15:30	Plenary 4	Antonio Moretti	The Great Beauty of biodiversity: pathogenicity, mycotoxins, and genetics of <i>Fusarium proliferatum</i>
15:30 - 15:50	Oral 5	Gérard Barroso	Mitochondrial intron history tells the involvement of interspecific horizontal gene transfers in the evolution of the <i>Fusarium tricinctum</i> species complex
15:50 - 16:10	Oral 6	Imane Laraba	Phylogenetic diversity, trichothecene potential, and pathogenicity within <i>Fusarium sambucinum</i> species complex
16:30 - 18:00	<b>Session Fusarium mitigation strategies</b>		
16:30 - 17:00	Plenary 5	Maarten Ameeye	The role of the pathobiome in FHB biocontrol strategies
17:00 - 17:20	Oral 7	Ingerd Skow Hofgaard	Resistance to <i>Fusarium langsethiae</i> in Norwegian oats – SafeOats
17:20 - 17:40	Oral 8	Simon G Edwards	A new active ingredient, ADEPIDYN™ to control Fusarium Head Blight
17:40 - 18:00	Oral 9	Ilse Vanhoutte	A bacterial mixed culture is capable of degrading the mycotoxin deoxynivalenol into a metabolite, which still has a high toxic effect towards eukaryotic cells
18:00 - 19:30	<b>Poster session 2</b>		

## Tuesday 01/06/2021

09:00 - 09:15	<b>Opening session</b>	Geert Haesaert	
09:15 - 11:05	<b>Session Fusarium in non-cereals</b>		
09:15 - 09:45	Plenary 6	Martijn Rep	Genomics of <i>Fusarium oxysporum</i>
09:45 - 10:05	Oral 10	Antonia Barberio	MAT loci regulate key developmental and virulence-related processes in the fungal pathogen <i>Fusarium oxysporum</i>
10:05 - 10:25	Oral 11	Ralph Hückelhoven	<i>Arabidopsis thaliana</i> cell surface receptor signalling for recognition of elicitors of diverse Fusarium species
10:25 - 10:45	Oral 12	Lalak-Kanczugowska Justyna	Effect of salinity stress on growth, fumonisin production and expression of stress responsive genes in <i>Fusarium proliferatum</i> from six different plant species
10:45 - 11:05	Oral 13	Lakshmipriya Perincherry	Induction of Fusarium lytic enzymes by extracts from resistant and susceptible cultivars of pea ( <i>Pisum sativum</i> L.)

11:20 - 12:50

## Session Secondary Metabolites

11:20 - 11:50

Plenary 7

Rainer  
Schuhmacher

Isotope-assisted metabolomics to study resistance of wheat against *Fusarium* head blight

11:50 - 12:10

Oral 14

Anna K.  
Atanasoff

FmKmt1 involved in H3K9me3 regulates expression of secondary metabolite gene clusters in *Fusarium mangiferae*

12:10 - 12:30

Oral 15

Pooja S. Sridhar

Mechanisms underlying the chemotropism of *Fusarium graminearum* that enable pathogenicity

12:30 - 12:50

Oral 16

Anas Eranthodi

The impact of enniatin production on *Fusarium avenaceum* virulence in three crop species

12:50 - 15:00

## Networking session

15:00 - 16:30

## Session New Technologies in *Fusarium* research

15:00 - 15:30

Plenary

Kim Hammond-  
Kosack

Exploring the compatible *Fusarium*-wheat interaction using a multi-'omics' approach

15:30 - 15:50

Oral 17

A. A. Etier

New insights in histone post-translational modifications discoveries in *F. graminearum*

15:50 - 16:10

Oral 18

Waldo Deroo

From Field to Isolate, a Novel Method for Selecting Ear Colonizing Bacteria to Control *Fusarium graminearum* in wheat

16:10 - 16:30

Oral 19

Valentin  
Leannec-  
Rialland

Tick defensin  $\gamma$ -core reduces *Fusarium graminearum* growth and abrogates mycotoxins production with high efficiency

16:30 - 16:50

Oral 20

Sara  
Francesconi

High-tech and sustainable innovative strategies for the management and control of *Fusarium* head blight: application of UAV-based monitoring techniques and natural-derived chitosan hydrochloride

16:50 - 17:30

## Closing Session

Geert Haesaert