

## REGISTRATION

Online: <http://www.ispacnr.it/fusarium-2018>

Registration is not complete until fees are paid. Registration after **April 30** is on a space-available basis only. Enrollment is limited.

## WORKSHOP FEES

The training registration fee of €1500 includes workshop materials, handouts, a copy of the Fusarium laboratory manual, welcome and workshop dinners, training lunches, lab supplies, a certificate of participation, and the International Society for Mycotoxicology ordinary membership. A reduced fee of €1400 is available for ISM members.

## QUESTION/INFORMATION

Call the Conference Registration Office at +39-080-5929365 ([mariella.quarto@ispa.cnr.it](mailto:mariella.quarto@ispa.cnr.it)) or at Giancarlo Perrone ([giancarlo.perrone@ispa.cnr.it](mailto:giancarlo.perrone@ispa.cnr.it)) between 8:00 a.m. and 6:00 p.m. Monday through Friday for registration information. For information about the course, contact Alessandra Villani by e-mail ([alessandra.villani@ispa.cnr.it](mailto:alessandra.villani@ispa.cnr.it)). If you require a visa to enter the Italy and need a letter of invitation to the workshop, please contact Alessandra Villani (information above). This letter of invitation will be sent to you by fax or e-mail. We will not send original letters to embassies or provide other assistance in securing a visa.

## CO-SPONSORS



<http://www.mycotox-society.org>



<http://www.mycok ey.eu>



<http://www.biotech.uniba.it>



**JUNE 18 – 22, 2018**

<http://www.ispacnr.it/fusarium-2018>

ISPA – CNR Bari, Italy

## TOPICS

Laboratory Strain Identification  
Molecular Identification  
Comparative genomics  
Species Concepts  
Mating Types and Crosses  
VCG Analysis  
Mycotoxins

## INSTRUCTORS

Matteo Chiara  
David Geiser  
Maria Lodovica Gullino  
Rudolf Krska  
John F. Leslie  
Antonio F. Logrieco  
Antonio Moretti  
Ludwig H. Pfenning  
Brett Summerell  
Cees Waalwijk

## ORGANIZERS

Antonio Logrieco, Antonio Moretti, Giuseppina Mulè  
ISPA- CNR

## 2018 SCHEDULE

### Sunday, June 17

- Registration (at hotel)
- 7:00 pm Social hour and welcome dinner

### Monday, June 18

- Introduction to morphology and taxonomy
- Introduction to phylogenetics
- Species concepts
- *Fusarium sambucinum* species complex
- Single spore isolation
- Soil dilution and plant isolation

### Tuesday, June 19

- Trichothecenes & Zearalenone
- *Fusarium* genetics and genomics
- Vegetative compatibility
- Single spore isolation lab follow-up
- *F. oxysporum*/*F. solani* species complexes and basal lineages

### Wednesday, June 20

- *Fusarium fujikuroi* species complex
- Fumonisin and other mycotoxins
- Comparative genomics
- Population genetics
- ELISA Mycotoxin detection kits
- DNA analysis and identification

### Thursday, June 21

- Mating type
- *Fusarium incarnatum-equiseti* species complex
- Population genetics
- *F. sambucinum* and *F. tricinctum* species complex
- Morphology quiz

**Evening 8.00 p.m.** Workshop farewell Party

### Friday, June 22

- Tropical *Fusarium* species
- *Fusarium* plant pathogeny mechanism
- Molecular diagnostic
- Closing thoughts
- Distribution of certificates
- Workshop evaluation

**Lunch (not provided)**

## INSTRUCTORS

**Matteo Chiara** - Assistant professor in the Department of Biosciences at University of Milan. Experience with bioinformatic analysis of NGS sequencing data and development of bioinformatics tools, novel methods and approaches for the detection of genomic rearrangement

**David Geiser** - Professor in the Department of Plant Pathology and Director of the Fusarium Research Center of Pennsylvania State University. Experience with molecular evolution of fungi and fungal population genetics.

**Maria Lodovica Gullino** – Professor in Plant Pathology and Director of the Center of Competence AGROINNOVA at the University of Torino. Her research interests focus on plant disease management, biological and integrated control of diseases, crop biosecurity, effect of climate change on plant diseases, and sustainable agriculture.

**Rudolf Krska** - Full professor for (Bio-)Analytics and Organic Trace Analysis at the University of Natural Resources and Life Sciences, Vienna (BOKU) and head of the Center for Analytical Chemistry at the Department IFA-Tulln. His current research interests are in the area of plant-fungi metabolomics, IR-spectroscopy and novel mass spectrometric methods for the determination of multiple mycotoxins and their metabolites in food, feed and other biological matrices.

**John F. Leslie** – University Distinguished Professor in the Department of Plant Pathology at Kansas State University. Over 30 years experience with *Fusarium* genetics and population analysis.

**Antonio Logrieco** - Director of the Institute of Sciences of Food Production, ISPA-CNR (Italy). Specializes in epidemiology and morphological taxonomy of mycotoxin-producing species. He has over 30 years of experience in the identification of toxigenic *Fusarium* species.

**Antonio Moretti** - Senior Researcher at ISPA-CNR in Bari (Italy). Specializes in epidemiology and morphological taxonomy of mycotoxin producing *Fusarium* species. He has around 30 years of experience in the identification of

toxigenic *Fusarium* species from head blight, maize ear rot and other important diseases.

**Ludwig Pfenning** – Professor in Plant Pathology Department at the Universidade Federal de Lavras (Brazil). Specializes in morphological and molecular taxonomy, epidemiology, and *Fusarium* diseases of tropical crops

**Brett Summerell** - Director of Plant Sciences at the Royal Botanic Gardens in Sydney. Has 25 years of experience in the taxonomy, identification and description of new *Fusarium* species and has conducted research on *Fusarium* diseases of palms, ornamental plants, maize, wheat and vegetables, and co-authored two laboratory manuals on *Fusarium* identification.

**Cees Waalwijk** – Senior scientist at Wageningen Plant Research (The Netherlands). His research team focuses on genomics in fungi including functional genomics and bioinformatics. He is a member of the *Fusarium* International Genomics Initiative, who jointly published on the genome of *F. graminearum*.

## ACCOMODATIONS

Housing, including breakfast, will be available at the Campus Hotel (800 m from the workshop venue): fax/tel +39-0805520805; e-mail [gestioni129852@campushotel.191.it](mailto:gestioni129852@campushotel.191.it)), or at Hotel Adria (2 km from the workshop venue): fax/tel:+39-0805246699; e-mail: [info@adriahotelbari.com](mailto:info@adriahotelbari.com)). When booking your hotel, please, indicate your participation in the FUSARIUM WORKSHOP. Lunch meals for the entire workshop will be provided.

## STRAINS SET PURCHASE OPTION

An optional Strain Set is available for purchase for € 500. Strain fees are in addition to the workshop registration fee.

## CANCELLATION & REFUND POLICY

If you must cancel your registration, do so as soon as possible. Substitutions are accepted. Registration fees, less a €100.00 processing fee, will be refunded only if notice is received by the Conference Reservation

Office/ISPA by 6:00 p.m. April 30. After that date, due to guarantees we must give, no refunds can be given. The ISPA office may cancel or postpone the course because of insufficient enrollment or other unforeseen circumstances. If a program is cancelled or postponed, the ISPA Office will refund registration fees but cannot be held responsible for other costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies.

## ABOUT THE WORKSHOP

This workshop will be taught by international *Fusarium* experts. Participants will be introduced to standard morphological, genetic and molecular biological techniques used to identify and characterize strains of *Fusarium*. Participants will learn to use morphological characters to identify the most common *Fusarium* species, how to make tests for vegetative compatibility groups and cross-fertility, and how to extract, PCR amplify, and analyze DNA sequences. More than half of the time will be spent in the laboratory working with standard strains. Students may bring some of their own strains.

## Special Assistance

CNR-ISPA is committed to making program activities accessible to all participants. Participants with disabilities should indicate on the registration form any special needs they might have, or contact the ISPA Office at least four weeks before the conference begins. After that date, we will make every effort to provide assistance but cannot guarantee that requested equipment or services will be available.