

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 €1300 is available for International society members.

QUESTION/INFORMATION

Call the Conference Registration Office at +39-080-5929365 (mariella.quarto@ispa.cnr.it) or at Giancarlo Perrone (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). 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.mycokey.eu>



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



LABORATORY WORKSHOP

2018

JUNE 18 – 22, 2018

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

CNR-ISPA Bari, Italy

TOPICS

Laboratory Strain Identification
Molecular Identification
Comparative genomics
Fusarium plant pathogeny mechanism
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
CNR- ISPA

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
- 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. Experience with 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 at the University of Natural Resources and Life Sciences, Vienna (BOKU) and head of the Center for Analytical Chemistry at the Department IFA-Tulln. Experience in the area of plant-fungi metabolomics, IR-spectroscopy and novel mass spectrometric methods for the determination of multiple mycotoxins.

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 F. Logrieco - Director of the Institute of Sciences of Food Production, CNR-ISPA (Italy). Experience with epidemiology, taxonomy and prevention/control of mycotoxin-producing species along food chain.

Antonio Moretti - Senior Researcher at CNR- ISPA in Bari (Italy). Specializes in epidemiology and morphological taxonomy of mycotoxin producing *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), or at Hotel Adria (2 km from the workshop venue): fax/tel: +39-0805246699; e-mail: 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.

