Accomodations:

Housing including breakfast will be available at the Campus Hotel (email gestioni129852@campushotel.191.it fax/tel: +39.080.5520805); single room 35 €/day; double room 60 €/day. Please, indicate your participation at the **Workshop Training Course** when you make your reservation.
Meals for dinner, on your own (list of restaurant at special agreement will be distributed).
Reservation at the Campus Hotel can be made by contacting the hotel or Mrs Mariella Quarto (mariella.quarto@ispa.cnr.it).

Workshop Venue:

The Workshop will be held at ISPA-CNR Laboratory, Via G. Amendola 122/O, 70126 Bari, Italy.
The building is 5 minutes walking from the Campus Hotel.

Registration Information:

To register:
MAIL the enclosed registration form to ISPA-CNR, via G. Amendola 122/O, 70126 Bari, Italy
FAX your registration form to +39.080.5929373, or e-mail it to mariella.quarto@ispa.cnr.it
Or register **ON-LINE** at http://www.mycotox-society.org/training-2010
Registration is not complete until fees are paid. Registration after August 31st is on a space-available basis only. Enrollment is limited to 20 participants.

Workshop Fees:

The workshop registration fee of € 1,100.00 includes all course materials, handouts, workshop party, lab supplies, a certificate of participation, refreshment breaks and lunch each day, and a one-year membership in ISM. A manual, including slides for all lectures and all experimental laboratory protocols also is included.
Limited financial assistance for ICPC participants may be available.

Cancellation and Refund Policy:

If you must cancel your registration, please do so as soon as possible. Substitutions are encouraged. Registration fees, less a € 100.00 processing fee, will be refunded if notice is received by the Registration Office before August 31, 2010. 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 the course is cancelled or postponed, the registration fees will be refunded, but the organizers are not responsible for other costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies.

Questions/Information:

For registration information, call the Registration Office at tel. +39.080.5929365 or email mariella.quarto@ispa.cnr.it
For information about the course, contact Antonio F. Logrieco at tel. +39.080.5929357; cell. +39. 349. 2704109 or e-mail antonio.logrieco@ispa.cnr.it
If you require a visa to enter in Italy and need a letter of invitation to the workshop, please contact Antonio F. Logrieco (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 visas.

The Workshop Training Course is organized by ISPA-CNR with the support of the International Society for Mycotoxicology and the EU MycoRed project.

International Society for Mycotoxicology

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

The Society aims to increase scientific knowledge concerning biology, chemistry and any science/discipline related to mycotoxins and toxigenic fungi, through membership networking, scientific meetings, symposia, discussions, technical courses and publications.

MycoRed "Novel integrated strategies for worldwide mycotoxin reduction in food and feed chains" is a Large Cooperative Project funded by the European Union within the European FP7-"Food, Agriculture and Biotechnologies" Work Programmes. Mycored's goals include developing strategic solutions to reduce mycotoxin contamination in economically important food and feed chains. MycoRed seeks to support, stimulate and facilitate education and cooperation with countries having major mycotoxin concerns related to (international) trade and animal and human health.

ISM Workshop-Training Course

Detection techniques for mycotoxins and toxigenic fungi in the food chain

October 4-8, 2010
Bari, Italy

Organized by:

A. Visconti and A. F. Logrieco

Institute of Sciences of Food Production
ISPA – CNR, Bari Italy
(http://www.ispa.cnr.it)

Conference Web-Site
(http://www.mycotox-society.org/training-2010)

AIMS:

A one-week workshop-training course to be held at ISPA-CNR in Bari, Italy, under the aegis of the MycoRed project and ISM (International Society for Mycotoxicology).

The goal of the course is to demonstrate and teach traditional methods and new molecular, chemical and immunological systems for rapid, robust and user friendly identification of mycotoxins and toxigenic fungi in the food chain. Much of the course will be spent on practical training in the laboratory.

Topics:

- Lectures: overviews of major methods for mycotoxins/toxigenic fungi detection.
- Laboratory:
  - chemical/immunochemical analysis of major mycotoxins (aflatoxins, ochratoxin A, fumonisins, trichothecenes);
  - morphological identification of major toxigenic species of *Aspergillus*, *Penicillium* and *Fusarium*;
  - molecular techniques for identification and quantification of toxigenic fungi.

Trainees will be assisted individually in the laboratory by ISPA-CNR staff expert in instrumental and immunochemical analysis of mycotoxins, and in morphological and molecular identification of toxigenic fungi.

Preliminary Programme

10/4 Monday 8 :30 a.m. - 6:00 p.m.

Welcome – Introduction Workshop Programme

Overview of toxigenic fungi and related mycotoxins

Methods for isolation and identification of major toxigenic fungi

Taxonomy and identification of toxigenic *Penicillium* and *Aspergillus*

10/5 Tuesday 8:30 a.m. - 6:00 p.m.

Relevance of culture collections and fungal preservation

Taxonomy and identification of toxigenic *Fusarium*

Overview of molecular methods for the identification of toxigenic fungi

Molecular training in fungal identification: DNA extraction from food matrices; Real time PCR and multiplex PCR; Sequencing

10/6 Wednesday 8:30 a.m. – 6:00 p.m.

Expression analysis of toxin producing fungi by microarray and Real Time PCR

An overview of various methodologies for mycotoxin analysis

Mycotoxin analysis in food products: aflatoxins in pistachios, deoxynivalenol in wheat, fumonisins in maize, and ochratoxin A in wine

10/7 Thursday 8 :30 a.m. - 6:00 p.m.

Emerging rapid methods for mycotoxin analysis (NIR, FPIA analysis etc)

Multi-mycotoxin analysis in maize by LC-MS/MS

8.00 pm Workshop Party

10/8 Friday 8 :30 a.m. - 6:00 p.m.

Sampling methods for mycotoxin analysis

Mycotoxin legislation and performance criteria for analytical methods

Rapid immunoassay methods for mycotoxin detection

Questionnaire to participants for course evaluation and general discussion

Main Instructors/Lecturers (to be confirmed)

Mycotoxin Analysis

Rudolf Krska - (IFA-Tulln, Vienna, Austria) Head of the Christian Doppler Laboratory for Mycotoxin Research and the Center for Analytical Chemistry. He has worked extensively on determination of mycotoxins in cereals.

Chris Maragos - (USDA-ARS-NCAUR, Peoria, IL, USA) Lead Scientist in the Novel Materials of the Mycotoxin Research Unit. His research involves the development of new technologies and materials for the detection of mycotoxins in foods.

Gordon Shephard - (PROMEC-MRC, Tygerberg, South Africa) Chief Specialist Scientist with broad experience in the analysis of mycotoxins. He has worked extensively on analytical methods to detect and quantify the fumonisins and their analogues.

Angelo Visconti – (ISPA-CNR, Bari, Italy) Director of ISPA-CNR. Over 25 year experience in mycotoxin analysis in various food matrices. At present, he is developing rapid analytical methods based on immunoassays for mycotoxin detection.

Nancy Zabe - (Vicam, Watertown, MA, USA) She has 16 years of experience in the analysis of mycotoxins with immunoaffinity chromatography as a clean up for HPLC or fluorometer. She has developed new rapid mycotoxin testing methods for aflatoxins, ochratoxin A and fumonisins.

Fungal Identification

Jens F. Frisvad – Center for Microbial Biotechnology-DTU, Denmark. 30+ years of experience in *Penicillium* and *Aspergillus* taxonomy, mycotoxins, chemotaxonomy and exometabolomics.

Zofia Kozakiewicz – CABI, Egham, UK. Expert in fungal spoilage, and 30+ years of experience with *Penicillium* and *Aspergillus* systematics.

John F. Leslie – KSU, Manhattan, Kansas, USA. Head of the Department of Plant Pathology. 25+ years of experience with *Fusarium* genetics and population analysis.

Antonio F. Logrieco – ISPA-CNR, Bari, Italy. Research leader. Specializes in epidemiology and taxonomy of mycotoxin producing fungi. 20+ years of experience identifying toxigenic *Fusarium* species.

Cees Waalwijk – PRI, Wageningen, The Netherlands. Broad experience with fungal genomics, including functional genomics and bioinformatics.

Rolf Geisen – MRI, Karlsruhe, Germany. Broad experience with diverse aspects of molecular food mycology including the application of microarray technology.