



Workshop Organizer:

HEADQUARTERS: Bizaniou 5, P.C.74100 Rethimno, Greece Tel./Fax ++302831024423,
BRANCH: Zervou 1, 14121 N.HERAKLIO (ATHENS), Greece Tel 210-2712-498, www.foodallergenslab.com

**WORKSHOP ON
IMMUNOLOGICAL, ELISA & PCR TECHNIQUES IN FOOD ANALYSIS
(LABORATORY & INDUSTRIAL APPLICATIONS)**

Venue and Dates: Kaningos 21 Hotel, Athens, Greece, July 18-19, 2008

Scope/Background:

There is an increasing use of new analytical methods like Immunoassay, Fluorometry, Elisa & PCR. The main advantage of these methods is the quick results that food quality monitoring & verification processes demands. Most of them are simple and fast (it could be said that they are applications of the "home pregnancy tests" concept in the food & feed sector), that is why often they get into rapid tests category. They are extremely popular in the food organisations because they are very quick and easy to use. This workshop is designed to address the enormous challenges that the modern food analysis and especially the Elisa & PCR techniques are offering.

Objectives/key points:

- Giving examples of PCR methods of analysis applications for pathogens, allergens, GMO in food
- Demonstrating the reliability of Elisa and other immunological - molecular biology methods of analysis for contaminants and adulteration
- Revealing the great advantages of the new methods versus the conventional

Who should attend: Laboratory personnel & managers, QC and/or QA personnel and administrators in the agro-food sector, R&D staff, research scientists, scientific laboratory equipment professionals.

TENTATIVE WORKSHOP PLAN

(Please note that the session's order is only indicative. Different groups will run at the same time, and every group will be 25 participants at max).

Friday, Jul. 18th (DAY 1)

Workshop opening - Welcome address (10:00 – 11:15)

First session: Biosensors–Rapid Methods – New analytical tools

- Trends in Food and Feed Control Simple & Rapid Testing, **Andreas Varlamos**, Food Allergens Lab.
- Biosensors and their applications in food analysis, **Prof. Miltiadis Karayannis**, University of Ioannina, **Manos Christofakis**
- Rapid methods in wheat and cereal analysis–mycotoxins, allergens, GMO, pathogens, **George Siragakis**, Food Allergens Lab.

Coffee break (11:15-11:30)

Second session: Immunological and Fluorometry applications in Contaminant analysis (11:30-13:00)

- Fluorometry: Ten minutes quantitative method for mycotoxins direct reading, **Dr Zambia Markaki**, University of Crete-Food Allergens Lab, **George Siragakis**
- Pesticide Residues by Elisa Techniques: Wine, dried fruit and vegetable applications **George Perrakis** - Food Allergens Lab, **Andreas Varlamos**
- Mycotoxin Analysis: Immunoaffinity Columns and Elisa kits, **Rob Langley**, NEOGEN EUROPE,

Third session: Rapid Microbiology (13:00-14:30)

- Soleris Applications in food analysis: Fast enumeration in microbiological analysis, **Manos Christofakis**, Food Allergens Lab
- Reveal kits for Salmonella Enderitis, Salmonella, Listeria, Ecoli0157, **Rob Langley**, NEOGEN
- Immunoassay for Legionella Detection , **Guillermo Rodriguez** BIOTICA Es. **Andreas Varlamos**

Lunch break (14:30-15:30)

Fourth session: Veterinary and Food Allergen testing Applications(15:30-17:30)



Workshop Organizer:

HEADQUARTERS: Bizaniou 5, P.C.74100 Rethimno, Greece Tel./Fax ++302831024423,

BRANCH: Zervou 1, 14121 N.HERAKLIO (ATHENS), Greece Tel 210-2712-498, www.foodallergenslab.com

- ELISA serology for BVD, Trichinella and Salmonella, **Dr. Liesbeth Jacobs**, PRIONICS
- Nitrofurans and other antibiotics in Meat-Shrimps-Diary-Poultry, **Manos Christofakis**, Food Allergens Lab
- ISO15633 & ISO15634 for Food Allergen Testing, **George Siragakis**, CENTC275/WG12 - Food Allergens Lab

Finish of day 1

Night Plan: Dinner and fun in a typical Greek tavern with live music in the Plaka neighbouring popular area of Psiri, following a relaxing night walk in Plaka (optional – must make reservation)

Saturday, Jul. 19th (DAY 2)

Welcome address (10:00 - 12:00)

Session 5: Microbiology and PCR: Basic Principles and Requirements

- PCR and Real Time PCR Analysis: Principles and Requirements, **Dr Yannis Ioannidis**, Agricultural Research Institute of Cyprus
- PCR Room: requirements for best performance, **Dr Vasily Bankovski**, President of BIOSAN LV, **George Siragakis**
- Quantitative PCR-based strategies for the detection and quantification of foodborne pathogens in the meat industry **Dr Luca Cocolin**, **Dr K.Rantziou** University of TURIN

➤ Accreditation of PCR and Elisa Methods, **Dr Chryssa Antoniou**, Food Allergens Lab **George Siragakis**

Session 6: Common Applications in Food Production & Quality Control (12:00-13:30)

- Pseudomonas aeruginosa in water, TaqManR Detection kit, **Dr M.Katsiki-T.Karabelas**, Biosolutions
- Food Allergen Testing by PCR, **Nikoleta Vourka**, **Analytical SA**
- Control of Listeria monocytogenes in the dairy industry with the application of quantitative PCR, **Dr Kelly Rantziou**, University of Turin

Coffee break (13:30-14:00)

Session7: Special Applications in Food Production & Quality Control (14:00-16:00)

- GMO detection by RT-PCR, **Emmanuel Politis-Manos Christofakis**, Food Allergen Lab
- Campylobacter in Poultry by RT-PCR, **Manos Christofakis**, Food Allergen Lab
- Durum Wheat Adulteration by Elisa and PCR Techniques, **George Siragakis**, Food Allergen Lab
- Reg 1441/2007 :Bacillus Cereus Monitoring by PCR, **George Perrakis**, Food Allergens Lab, **N. Vourka**
- NIR instrumentation for Cereals-Dairy-Meat-Olive oil Analysis, **George Siragakis**, Food Allergens Lab

Lunch (16:00-17:00)

Session8: Practical Part (Practicing on DNA extraction, Gel electrophoresis, Elisa, RT-PCR, Fluorometry) (17:00-18:00)

Sunday, Jul. 20th (Day-off): 10:00 – 14:00: Day trip to Athens & Acropolis: City (of Athens) tour plus visit to Acropolis Archeological site and Museum (optional – must make reservation)

COST OF PARTICIPATION

Registration fee*: Advance registration (by 30th of June): 400Euro (200 Euro for one day), Regular registration (by 15th of July): 500 Euro (250 Euro for one day). Please note that Food Allergens Lab's customers enjoy advance registration

* Fee covers: workshop lecture material, lunches, coffee breaks and transportation from Hotel to the workshop

Jul. 18th, Dinner: 30 Euro

Jul. 20th, Day Trip: 40 Euro. Cost covers: travel, tour guide throughout the trip, entrance to museum, lunch

Promotion Tables: Available at an extra cost of 500 Euro (must make reservation)

Accommodation: A number of rooms have been held in the Kaningos 21 Hotel (4stars) - www.kaningos21.gr. Cost: Single room=70Euros /night, Double room=85 Euros/night **Room reservations** for this hotel **should be made only** to the email: training@foodallergenslab.com

[WORKSHOP INFORMATION UPDATES: please see www.foodallergenslab.com]



Workshop Organizer:

HEADQUARTERS: Bizaniou 5, P.C.74100 Rethimno, Greece Tel./Fax ++302831024423,
BRANCH: Zervou 1, 14121 N.HERAKLIO (ATHENS), Greece Tel 210-2712-498, www.foodallergenslab.com

REPLY SHEET
IMMUNOASSAY, ELISA AND PCR TECHNIQUES IN FOOD ANALYSIS
LABORATORY & INDUSTRIAL APPLICATIONS- Early registration deadline: 30 June 2008 -

Participant details

Full Name _____
First Name for Badge _____
Title _____ Company /Institution _____
Address _____
City _____
Zip/Postal Code _____ Country _____
Telephone _____ Fax _____
E-mail _____
Accompanying Person(s) _____

Registration Fees

	Regular	Amount
	<i>By 16 Jul</i>	
Single participant ¹	500 Euro	-----
One Day ²	250 Euro	-----

Day trip to Acropolis³: 40 Euro -----

Dinner on Friday night⁴: 30 Euro -----

Room reservation⁵ (please state check-in, check-out dates)..... -----

Total (Euro) -----

Payment method (please tick appropriately):

By Credit Card : (Visa , Master , AMEX , Other ) No:
Exp.Date.....

Payment by Bank Transfer to: ALPHA Bank IBAN No:GR2301401710171002320001301, Swift Code:CRBAGRAAXX (please state your name)

Owners Signature/Name:.....

PLEASE E-mail THIS FORM COMPLETED TO:
info@foodallergenslab.com or foodallergenslab@gmail.com

NOTES

¹ Fee covers: workshop lecture material, lunches, coffee breaks and transportation from Hotel to the workshop

² Please define the day you will attend

³ Cost covers: travel, tour guide to city of Athens and Acropolis archeological site/museum, entrance to museum, lunch; trip will start at 10:00 and conclude at ~ 14:00

⁴ Dinner and fun in a typical Greek tavern with traditional music

⁵ Single room=70Euros /night, Double room=85 Euros/night