

FPRW/FPAC 2006

43rd Annual Florida Pesticide Residue Workshop

8th Annual Foodborne Pathogen Analysis Conference

Hilton in the Walt Disney World Resort
Orlando, Florida

July 16-19, 2006

Flag Works, Inc.
3230 Yorktown Drive
Tallahassee, FL 32312-2016

www.FLworkshop.com

July 16, 2006

Dear Attendee:

Welcome to the 43rd Annual Florida Pesticide Residue Workshop and the 8th Annual Foodborne Pathogen Analysis Conference.

Our primary goal, as always, is to bring together scientists and other experts to focus on the most up-to-date analytical techniques and regulatory concerns, and to do this in a casual and friendly environment. The planning committee has worked very hard to pack these next few days with many learning and networking opportunities. We hope you take advantage of them all. Especially, be sure to join us Monday evening for a get-acquainted reception, complements of the Hilton Walt Disney World Resort.

The FPRW's focus is on pesticide residues in food and environmental matrices. We have included other residues of concern, such as antibiotics, toxins and organic contaminants. The FPAC's focus is the analysis of foodborne pathogens and related food safety/security issues. Both meetings include presentations on instrumentation, methodologies, quality assurance, and regulations. Presenters hail from government, academic and private sectors, resulting in a very comprehensive program indeed.

On Tuesday we are pleased to bring you a special FERN (Food Emergency Response Network) Symposium, which has been organized for us by the co-directors of the FERN National Program Office. Many of the FPRW-FPAC attendees are employed by FERN-participating laboratories, but for those of you who may be unfamiliar with it, FERN is a relatively new network of state and federal laboratories that would analyze food samples in the event of a biological, chemical, or radiological terrorist attack in this country. Its organization is a joint effort between FDA, Office of Regulatory Affairs (ORA) and USDA, Food Safety and Inspection Service (FSIS). Don't miss this important session.

Although you have registered for one meeting or the other, please feel free to sit in on either of the concurrent sessions at will to hear the talks of most interest to you. However, if you move between rooms, please enter and exit quietly.

Following the meeting, a list of attendees/exhibitors and copies of selected oral presentations will be available. See page 3 of this program for more information on what will be available and how you may access it.

Enjoy fabulous Florida!

Your FPRW / FPAC Committee,

W. George Fong, Joanne Cook, Gail Parker, Patty Lucas, Teresa Rygiel, Yvonne Hale, Grace Hall, Raymond Allum, and Amy Brown

MEETING AT-A-GLANCE

Sunday Evening, July 16, 2006

5:00 - 8:00 pm	Joint Registration	International Ballroom Foyer
6:00 - 7:30 pm	Waters Corp Seminar	Camellia/Dogwood
6:00 pm	Exhibition Set Up Begins	International Ballroom North/Center
8:00 pm	Poster Set Up Begins	Crystal Room
6:00 - 10:00 pm	Technical Session Setup	Respective Ballrooms
6:00 - 8:00 pm	AV Rehearsal	Respective Ballrooms

Monday, July 17, 2006

All Day	Joint Exhibition	International Ballroom North/Center
All Day	Joint Posters	Crystal Room
7:30 - 8:30 am	Joint Registration	International Ballroom Foyer
7:30 - 8:30 am	Early Morning Coffee	International Ballroom North/Center
8:30 am – 12:30	FPRW Technical Session	International Ballroom South
8:30 am – 12:30	FPAC Technical Session	Grand Ballroom Salons I and II
11:00 - noon	FPRW Authors at Their Posters	Crystal Room
12:15 - 1:15 pm	Perkin Elmer Seminar	Narcissus/Orange Blossom
12:15 - 1:15 pm	Applied Biosystems Seminar	Camellia/Dogwood
1:30 - 5:00 pm	FPRW Technical Session	International Ballroom South
1:30 - 5:00 pm	FPAC Technical Session	Grand Ballroom Salons I and II
5:00 - 5:30 pm	SSCS Program Report	International Ballroom South
6:00 - 6:30 pm	FPAC Authors at Their Posters	Crystal Room
6:30 - 7:30 pm	Joint Reception	International Ballroom North/Center

Tuesday, July 18, 2006

All Day	Joint Exhibition	International Ballroom North/Center
7:30 - 8:30 am	Joint Registration	International Ballroom Foyer
7:30 - 8:30 am	Early Morning Coffee	International Ballroom North/Center
8:30 - 10:30	Joint FERN Symposium	International Ballroom South
10:30 - noon	FERN Breakout - Chemistry	International Ballroom South
10:30 - noon	FERN Breakout - Micro	Grand Ballroom Salons I and II
12:15 - 1:15 pm	Agilent Technologies Seminar	Camellia/Dogwood
1:30 - 4:30 pm	FPRW Technical Session	International Ballroom South
1:30 - 4:30 pm	FPAC Technical Session	Grand Ballroom Salons I and II
5:00 - 6:30 pm	FPRW MS Users Meeting	International Ballroom South
5:00 - 6:00 pm	MDP Meeting	Grand Ballroom Salons I and II

Wednesday, July 19, 2006

7:30 - 8:30 am	Joint Registration	International Ballroom Foyer
7:30 - 8:30 am	Early Morning Coffee	International Foyer
8:30 am - noon	FPRW Technical Session	International Ballroom South
8:30 am - noon	FPAC Technical Session	Grand Ballroom Salons I and II

Table of Contents

	Page(s)
General Information	2-3
Future Meeting Dates	3, 12
Exhibitors	4
Sponsors	5
Hilton Conference Center Maps	6
Free Exhibitor Seminars	7
Technical Sessions	8-17
FPAC Posters	12
FPRW Posters	18
Presenter Addresses	19-24

GENERAL INFORMATION

Registration

Check in once at the registration desk at your earliest opportunity
Sunday - 5:00-8:00 PM
Monday - 7:30-8:30 AM
Tuesday - 7:30-8:30 AM
Wednesday - 7:30-8:30 AM

AV Rehearsal

The respective ballrooms will be available Sunday evening 6:00-8:00 pm if you would like to review AV equipment operation and/or see how your slides project. If you need to look at your slides at other times, please coordinate that with the respective AV projectionist.

KEY to Presentation Numbering System

FPRW / FPAC Joint Session talks are numbered, **J1, J2, J3** ...
FPRW talks are numbered, **P1, P2, P3** ...
FPRW posters are numbered, **PP1, PP2, PP3** ...
FPAC talks are numbered, **F1, F2, F3** ...
FPAC posters are numbered, **FP1, FP2, FP3** ...

Presenters' addresses on pages 19-24 are cross-indexed to these numbers.

Poster Session

Poster boards will be available for hanging posters Sunday evening, beginning at 8:00 pm. Posters may be viewed at any time, but authors will be at their posters during the formal poster sessions on Monday (**FPRW** 11:00 am-noon; **FPAC** 6:00-6:30 pm).

Exhibition

Monday - 7:30 am - 5:00 pm, and during Monday evening reception 6:30-7:30 pm
Tuesday - 7:30 am - 5:00 pm

Coffee and Breaks

Coffee will be available 7:30 - 8:30 am each morning. On Monday and Tuesday morning coffee and all other breaks will be served in the International Ballroom North/Center in conjunction with the exhibition. On Wednesday there is no exhibition, so all coffee and breaks will be served in the International Foyer.

Announcements

Moderators will make general announcements from the podium. If you need to convey such information to a moderator, you must fill out an announcement form and submit it to W. George Fong. These announcement forms will be available at the registration desk.

Door Prizes

Technical session door prizes will be drawn at the end of each morning and afternoon technical session. You must be ON TIME at the beginning of each technical session to receive a ticket. You must be present at each drawing to win.

Job Placement Bulletin Board

Self serve message board for those offering or seeking employment

Abstracts

There are NO ABSTRACTS published for the FPRW/FPAC meeting. This keeps our costs (and your registration fee) low.

Copies of Presentations

Oral Presentations: Following the meeting (approx 2-3 weeks) some of the oral presentations will be posted on our website. There are limitations to what we post. Absolutely no files will be posted without a speaker's written permission (historically, two thirds of our speakers have given permission). The PowerPoint files are converted to PDF format, 2 slides per printed page. The file conversion is necessary due to limited server space (the file size of PDF format is roughly 10-20% that of PPT format). Various security restrictions may be added to the PDF file per speaker's request (such as disabling "copy text" and print functions). Some slides containing confidential or proprietary information may be deleted. If this does not meet your need, then please contact the speaker directly.
Poster Presentations: Drop your business card in the "reprint request" envelope available at each individual poster board. The author will mail you a reprint.

Attendee List

After the meeting (approx 2-3 weeks) an attendee list will be available, but only by request. Please contact W. George Fong at Gandwfong@comcast.net

Meeting Website

www.flworkshop.com - the website includes information on current and future FPRW and FPAC meetings, as well as archives going back to 1997. The website also hosts SSCS (Southern States Check Sample) information.

FUTURE FPRW / FPAC DATES

2007	July 22 - 25	TradeWinds Island Grand Resort, St. Pete Beach, Florida
2008	July 20 - 23	TradeWinds Island Grand Resort, St. Pete Beach, Florida
2009	July 19 - 22	TradeWinds Island Grand Resort, St. Pete Beach, Florida

Add www.FLworkshop.com to your browser favorites

2006 EXHIBITORS

Exhibition Location: International Ballroom North / Center

In alphabetical order

ABC Laboratories	www.abclabs.com
AccuStandard	www.accustandard.com
ADPEN Laboratories	www.adpen.com
Agilent Technologies	www.agilent.com/chem
Alpha Biosciences	www.alphabiosciences.com
Applied Biosystems	www.appliedbiosystems.com
bioMérieux	www.biomerieux-usa.com
Biotage	www.biotage.com
BioVeris	www.bioveris.com
Cantest	www.cantest.com
Chem Services	www.chemservice.com
Gerstel	www.gerstelus.com
Invitrogen	www.invitrogen.com
JEOL USA	www.jeolusa.com
LEAP Technologies	www.leaptec.com
LECO	www.Leco.com
MacDonald Enterprises / Kewaunee Scientific	www.kewaunee.com
Matheson Tri-Gas	www.mathesontrigas.com
Novidea Lab Automation	www.novidea.net
O.I. Analytical	www.oico.com
Perkin Elmer	www.perkinelmer.com
Pickering Laboratories	www.pickeringlabs.com
Restek	www.restek.com
SCI-CON	www.scicon.net
SPEX CertiPrep	www.spexcsp.com
Supelco / Sigma-Aldrich	www.sigmaaldrich.com/supelco
Teledyne Tekmar	www.teledynetekmar.com
Thermo Electron	www.thermo.com
United Chemical Technologies	www.unitedchem.com
Varian	www.varianinc.com
Warnex Diagnostics	www.warnex.ca
Waters	www.waters.com

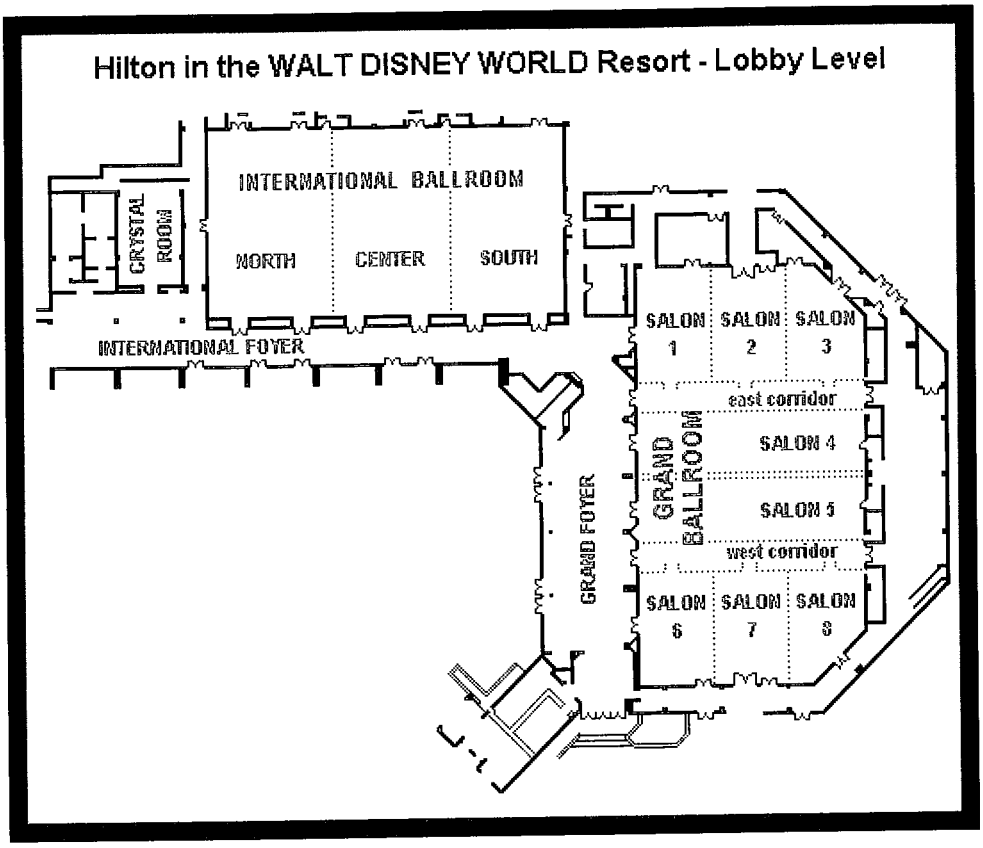
2006 SPONSORS

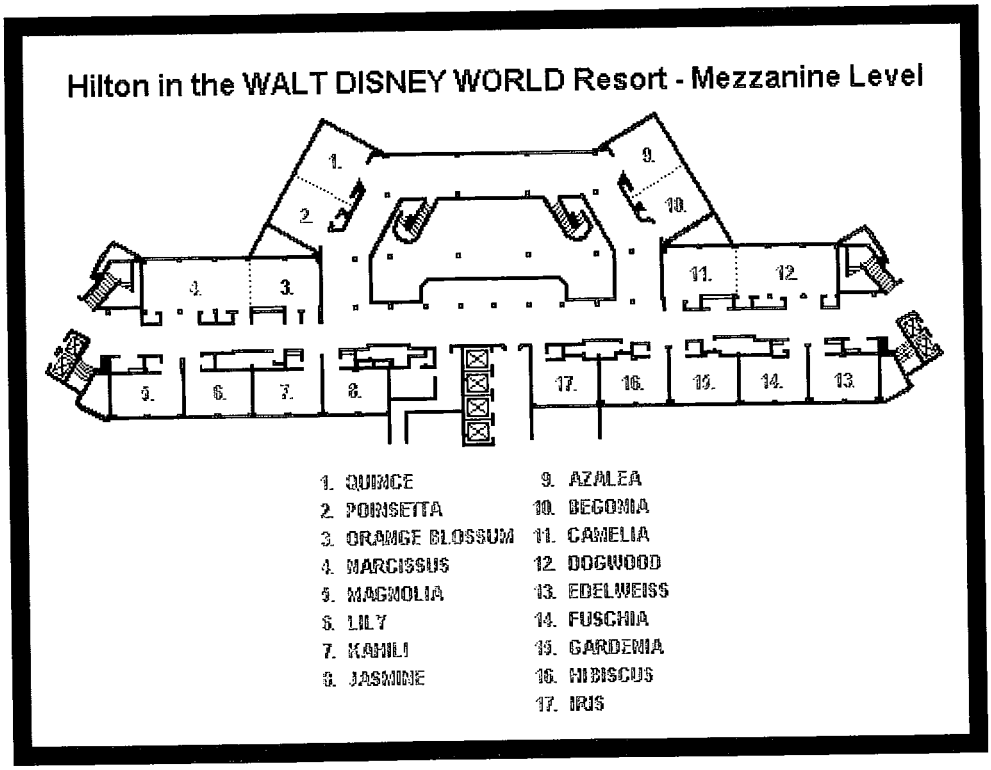
A special THANK YOU to our meeting sponsors:

Gold Beaker	**Waters**
Bronze Beaker	**Applied Biosystems** **Bio Veris** **Gerstel** **Perkin Elmer** **Supelco/Sigma-Aldrich** **Teledyne Tekmar** **Thermo Electron**

Their generous support helps makes the FPRW and FPAC successful.

Conference Center Maps





EXHIBITOR SEMINARS - FREE

Food and beverage provided by each company

Please sign up at the meeting registration desk

Sunday Evening, July 16, 2006

6:00 - 7:30 **FPRW Seminar - Waters Corp** Location: Camellia/Dogwood

Title: Novel Strategies Using ToF-MS for Multi-residue Screening Analyses

Presenter: Mr. Joe Romano

Monday Lunchtime, July 17, 2006

1 12:15 - 1:15 **FPRW Seminar - Perkin Elmer** Location: Narcissus/Orange Blossom

Title: Using Novel Autosamplers Coupled With GCMS for Pesticide Screening Analysis in Solid Sample Matrices

Presenter: Dr. Thomas Meaker

2 12:15 - 1:15 **FPRW Seminar - Applied Biosystems** Location: Camellia/Dogwood

Title: Moving into the Future with QTRAP LCMSMS Technology. Applications Made Simple: What you really can do with LCMSMS and QTRAP

Presenters: Mr. Matthew Clabaugh (Applied Biosystems) and Dr. Xiaoming Zhao (Environment Canada)

Tuesday Lunchtime, July 18, 2006

12:15 - 1:15 **FPRW Seminar - Agilent Technologies** Location: Camellia/Dogwood

Title: Expanding Your LCMS Choices: Introducing the Agilent 6410 Triple Quadrupole Mass Spectrometer

Presenter: Dr. Michael Zumwalt

Monday Morning, July 17, 2006

Location: International Ballroom South

FPRW SESSION 1

Moderator: **Ms. Jo Marie Cook**, Florida Dept. of Agriculture and Consumer Services

		8:30 - 8:45	Welcome, **Dr. Marion Aller**, FL Dept. Agriculture & Consumer Services
20	**P1**	8:45 - 9:05	U.S.EPA Office of Pesticide Programs Laboratory Update, **Mr. Frederic Siegelman**, EPA
25	**P2**	9:10 - 9:30	Which Came First...the Sample or the Analysis? **Mr. Danny Schulz**, FL Dept. Agriculture & Consumer Services
20	**P3**	9:35 - 9:55	Laboratory and Enforcement: Working Alliance, **Ms. Jo Marie Cook**, FL Dept. Agriculture & Consumer Services
		10:00	Door Prize Drawing - You must be present to win!
		10:15 -11:00	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: International Ballroom North/Center **[FPRW Poster authors, if you have not already done so, please hang your poster now]**
		11:00 - 12:00	**FPRW Poster Session - Authors available at their posters** Location: Crystal Room (FPRW posters are listed on page 18)
		12:00 - 1:30	**Lunch** (on your own)
		12:15 - 1:15	**Perkin Elmer Lunch Seminar** Using Novel Autosamplers Coupled with GCMS for Pesticide Screening Analysis in Solid Sample Matrices Complimentary food and beverage Location: Narcissus/Orange Blossom
		12:15 - 1:15	**Applied Biosystems Lunch Seminar** Moving into the Future with QTRAP LCMSMS Technology. Applications Made Simple: What you really can do with LCMSMS and QTRAP Complimentary food and beverage Location: Camellia/Dogwood

Monday Morning, July 17, 2006

Location: Grand Ballroom Salons I and II

FPAC SESSION 1

Moderator: **Ms. Yvonne Hale**, Florida Dept. Agriculture & Consumer Services

	8:30 - 8:45	Welcome, **Dr. Marion Aller**, FL Dept. Agriculture & Consumer Services
F1	8:45 - 9:30	**Keynote:** Best Practices and New Approaches in the Provision of Food Safety Information, **Dr. Douglas Powell**, Kansas State University
F2	9:30 - 10:15	Pathogenic *E. coli* on Fresh Produce, **Dr. Mike Doyle**, University of Georgia
	10:15 -11:00	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: International Ballroom North/Center **[FPAC Poster authors, if you have not already done so, please hang your poster now]**
F3	11:00 - 11:45	Challenges Associated with Isolating Pathogens from Foods, **Dr. Mike Doyle**, University of Georgia
F4	11:45 - 12:30	*Mycobacterium avium paratuberculosis* and Crohn's Disease: Is There a Connection? **Dr. Dix Harrell**, USDA
	12:30	Door Prize Drawing - You must be present to win!
	12:30 - 1:30	**Lunch** (on your own)

Monday Afternoon, July 17, 2006

Location: International Ballroom South

FPRW SESSION 2

Moderator: **Ms. Gail Parker**, Florida Dept. of Agriculture and Consumer Services

P4	1:30 - 1:50	Optimizing Sample Clean-Up for the Determination of Pesticide Residues in Food, **Mr. Frank J. Schenck**, FDA, Southeast Regional Lab
P5	1:55 - 2:15	Comparison of Three Multiresidue Extraction Methods for Pesticides in Produce, **Ms. Sherry T. Garris**, South Carolina Dept. of Agriculture
P6	2:20 - 2:40	Determination of Pesticide Residues in Honey by Modified QuEChERS Extraction and a Variety of Instrumental Methods, **Ms. Xiujing Lu Baggett**, Georgia Dept. of Agriculture
	2:45 - 3:30	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: International Ballroom North/Center
P7	3:30 - 3:50	Analysis of Pesticides in Dried Ginseng by Capillary Gas Chromatography-Mass Spectrometry and Element Selective Detection, **Dr. Jon W. Wong**, FDA, CFSAN
P8	3:55 - 4:15	Adventures in Deconvolution: One Scientist's Experience with the New Agilent MS-DRS Software, **Ms. Susan Eigen**, Georgia Dept. of Agriculture
P9	4:20 - 4:40	GCxGC-ToFMS of Synthetic Pyrethroids in Food, **Mr. Jack Cochran**, LECO
	4:45	Door Prize Drawing - You must be present to win!
	5:00 - 5:30	**Southern States Check Sample Program Report** (for all SSCS participants and any interested parties) Location: International Ballroom South
	6:30 - 7:30	**Reception** - complements of the Hilton Walt Disney World Location: International Ballroom North/Center (Cash bar)

Monday Afternoon, July 17, 2006

Location: Grand Ballroom Salons I and II

FPAC SESSION 2

Moderator: **Ms. Sandi Schultz**, Florida Dept. of Agriculture and Consumer Services

F5	1:30 - 2:15	Emerging Pathogens/Emerging Vehicles: A Statewide Cyclospora Outbreak Implicating a "Stealth" Vehicle, Florida 2005, **Dr. Roberta M. Hammond**, Florida Dept. of Health
F6	2:15 - 3:00	Viruses and Food, **Dr. Lillian Stark**, Florida Dept. of Health
	3:00 - 3:30	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: International Ballroom North/Center
F7	3:30 - 4:15	Phenotypic and genotypic characterization of *L. monocytogenes* strains isolated from ready-to-eat foods in Florida, **Dr. Arvind Bhagwat**, USDA
F8	4:15 - 5:00	*Listeria monocytogenes* in Retail Store Environment; Ecology and Epidemiology, **Dr. Dan Rice,** New York State Dept. of Agriculture and Markets
	5:00	Door Prize Drawing - You must be present to win!
	6:00 - 6:30	**FPAC Poster Session - Authors available at their posters** Location: Crystal Room (FPAC posters are listed on page 12)
	6:30 - 7:30	**Reception -** complements of the Hilton Walt Disney World Location: International Ballroom North/Center (Cash bar)

FPAC POSTERS

Location: Crystal Room

(Please hang posters by morning coffee break on Monday)

Authors at their posters during formal FPAC poster session, which is Monday from 6:00 to 6:30 pm

FP1	Induction of Heat Tolerance in Clostridium perfringens by Extracellular Compounds, **Dr. Santos García**, School of Biological Sciences, University Autonoma de Nuevo Leon, Mexico
FP2	Influence Of GRAS Substances On The Acquisition Of Cold Tolerance In C. perfringens, **Dr. Norma Laura Heredia**, School of Biological Sciences, University Autonoma de Nuevo Leon, Mexico
FP3	Quantitative Risk Assessment for Bacillus cereus in Soybean paste of Korea, **Dr. Gun-Young Lee**, Korea Food & Drug Administration
FP4	Trends in the Microbiological Quality of Fresh Produce, **Dr. Shanker Reddy**, USDA

FPRW posters are listed on page 18

Add www.FLworkshop.com to your browser favorites

FUTURE FPRW / FPAC DATES

2007	July 22 - 25	TradeWinds Island Grand Resort, St. Pete Beach, Florida
2008	July 20 - 23	TradeWinds Island Grand Resort, St. Pete Beach, Florida
2009	July 19 - 22	TradeWinds Island Grand Resort, St. Pete Beach, Florida

Tuesday Morning, July 18, 2006

Location: International Ballroom South

FPRW / FPAC JOINT SESSION
FERN SYMPOSIUM

Moderators: **Dr. Doug Abbott**, USDA, FSIS and **Mr. Carl Sciacchitano**, FDA, ORA

J1	8:30 - 8:45	Opening Remarks **Doug Abbott / Carl Sciacchitano**
J2	8:45 - 9:15	FERN Update, **Mr. Carl Sciacchitano**
J3	9:15 - 9:45	Integrated Consortium of Laboratory Networks (ICLN), **Dr. Doug Abbott**
	9:45 - 10:15	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: International Ballroom North/Center
J4	10:15 - 10:30	ICLN Method – Working Group, **Mr. Tim McGrath**, FDA, ORA

Break out Groups (Micro/Chem): FERN Methods

J5	10:30 - 11:55	State Perspective - MICRO, **Mr. Tim McGrath,** FDA, ORA Location: Grand Ballroom Salons I and II
J6	10:30 - 11:55	State Perspective - CHEM, **Mr. Fred Fricke,** FDA, ORA Location: International Ballroom South
	12:00 - 1:30	**Lunch** (on your own)
	12:15 - 1:15	**Agilent Technologies Lunch Seminar** Expanding Your LCMS Choices: Introducing the Agilent 6410 Triple Quadrupole Mass Spectrometer Complimentary food and beverage Location: Camellia/Dogwood

Tuesday Afternoon, July 18, 2006

Location: International Ballroom South

FPRW SESSION 3

Moderator: **Ms. Patty Lucas,** Florida Dept. of Agriculture and Consumer Services

P10	1:30 - 1:50	From Flora to FERN: The Role Played by the Connecticut Agricultural Experiment Station, **Dr. Walter J. Krol**, Connecticut Ag Experiment Station
P11	1:55 - 2:15	Linearity and Sensitivity of the QuEChERS Method for Pesticide Residues in Foods with a Labeled Internal Standard and a Linear Ion Trap LC/MS, **Dr. Brian Eitzer**, Connecticut Ag Experiment Station
P12	2:20 - 2:40	Analyses of Chemical Residues in Various Food Matrices Using LC/MS/MS, **Dr. Michael Zumwalt**, Agilent Technologies
	2:45 - 3:30	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: International Ballroom North/Center
P13	3:30 - 3:50	Method Validation for the Pesticide Data Program, **Mr. Chris Pappas**, USDA
P14	3:55 - 4:15	International MRL Database for U.S. Specialty Crop Exports, **Dr. Audrey Chen**, FMC Corp
P15	4:20 - 4:40	Preparing Your Laboratory for Emergency Shutdown, **Ms. Teresa Rygiel**, Florida Dept. of Agriculture
	4:45	Door Prize Drawing - You must be present to win!
	5:00 - 6:30	**FPRW Mass Spec Users Meeting** Location: International Ballroom South Moderator: **Mr. Raymond Allum**, FL Dept. of Agriculture Share challenges and solutions: quantitation issues, ionization issues, matrix effects, ion suppression and enhancement, confirmation criteria, best sample introduction techniques, pros and cons of various analyzers (e.g. traps, quads, ToF, etc.)

Tuesday Afternoon, July 18, 2006

Location: Grand Ballroom Salons I and II

FPAC SESSION 3

Moderator: **Ms. Grace Hall**, Florida Dept. of Agriculture and Consumer Services

F9	1:30 - 2:10	RNA-Based Molecular Pathogen Testing for Increased Sensitivity, Specificity and Reliability, **Dr. Staphane Bulteau**, bioMérieux
F10	2:10 - 2:50	Food Safety Innovations in Food Processing and Handling, **Dr. Ronald H. Schmidt,** University of Florida
	2:45 - 3:15	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: International Ballroom North/Center
F11	3:15 - 4:00	Microarrays as Comprehensive Tools for Pathogen Detection and Identification, **Dr. Matthew Lorence,** Affymetrix, Inc
F12	4:00 - 4:45	*Enterobacter sakazakii*: Public Health Significance, Detection and Environmental Control, **Dr. Todd Silk**, PBM Nutritionals
	4:45	Door Prize Drawing - You must be present to win!
	5:00 - 6:00	**MDP Meeting** Location: Grand Ballroom Salons I and II A special session for participants of the USDA Microbiological Data Program

Wednesday Morning, July 19, 2006

Location: International Ballroom South

FPRW SESSION 4

Moderator: **Mr. Raymond Allum**, Florida Dept. of Agriculture and Consumer Services

P16	8:30 - 8:50	Analysis of Pharmaceutical Personal Care Products in Water by LCMSMS, **Mr. Matthew Clabaugh**, Applied Biosystems
P17	8:55 - 9:15	Analysis of Triphenylmethane Dye Residues in Fish, **Dr. Sherri Turnipseed**, FDA, ORA
P18	9:20 - 9:40	Analysis of Fluoroquinolones in Honey by LC-MSMS and LC-MSMSMS, **Ms. Donna Kilpatrick**, FL Dept. of Agriculture
	9:45 - 10:15	**Break (w/ refreshments)** Location: International Ballroom Foyer
P19	10:15 - 10:35	Advances in Environmental and Food Safety Analysis Using LC-MS/MS with H-SRM and FAIMS, **Dr. Jonathan Beck**, Thermo Electron
P20	10:40 - 11:00	The Analysis of Cl-Pesticides Using Short Column GCMS Allowing for Greater Productivity in a Regulated Lab, **Dr. Thomas Meaker**, Perkin Elmer
P21	11:05 - 11:25	Endocrine Disrupter Emerging Pollutants, **Dr. David Klein**, Texas Parks and Wildlife
	11:30	Door Prize Drawing - You must be present to win!
		FPRW Meeting Adjourns

Wednesday Morning, July 19, 2006

Location: Grand Ballroom Salons I and II

FPAC SESSION 4

Moderator: **Ms. Yvonne Hale**, Florida Dept. of Agriculture and Consumer Services

F13	8:30 - 9:15	PCR: Who needs it? **Dr. Anita Wright**, University of Florida
F14	9:15 - 10:00	Real-Time PCR for the Detection and/or Quantification of Foodborn Pathogens, **Dr. Yvan P. Côté**, Warnex
	10:00 - 10:30	**Break (w/ refreshments)** Location: International Ballroom Foyer
F15	10:30 - 11:15	Challenges of the enrichment of *Listeria* from food and environmental samples, **Dr. Catherine Donnelly**, University of Vermont
F16	11:15 - 12:00	Data for Decision Making, **Dr. Gary R. Acuff**, Texas A & M University
	12:00	Door Prize Drawing - You must be present to win!
		FPAC Meeting Adjourns

FPRW POSTERS

Location: Crystal Room

(Please hang posters by morning coffee break on Monday)

Authors at their posters during formal FPRW poster session, which is Monday from 11:00 am to noon

PP1	Insecticidal and Acaricidal Performance of Hot Pepper Extracts, **Dr. George F. Antonious**, Kentucky State University
PP2	Expanded HPLC Method for N-Methyl Carbamates, **Dr. Laszlo Torma**, Pickering Laboratories
PP3	Using the Pulsed Flame Photometric Detector (PFPD) for Low-Level Analysis of Organophosphorus Pesticides, **Ms. Laura Chambers**, OI Analytical
PP4	Analysis of Pesticide Residues in Citrus Oils by GCxGC-ToFMS with Minimal Sample Preparation, **Mr. Jack Cochran**, LECO Corp
PP5	Rapid Screening and Compound Identification of 69 Pesticides by LC-ToFMS with Automated Library Searching, **Mr. Brian Shofran**, LECO Corp
PP6	Furan Levels in Pasteurized Fruit Juices by Automated Headspace Gas Chromatography/Mass Spectrometry (HS-GC/MS), **Mr. Jim Holcomb**, FDA, SRL
PP7	Determination of Chlorothalonil Pesticide Residues in Produce Samples: Analytical Difficulties, **Mr. Frank J. Schenck** and **Dr. Sarah E. McMullen**, FDA, SRL
PP8	Multiresidue Pesticides Analysis Using Synchronous Scan/SIM Mode GC/MS and Chromatogram Deconvolution Software, **Mr. Kenneth C. Jones**, Shimadzu
PP9	Monitoring of Pesticide Residues in Agricultural Products Consumed in Korea, **Dr. Yong-Mu Kim**, Busan Regional Food and Drug Administration, Korea
PP10	LC-FAIMS-MS/MS Using H-SRM for Selective Compound Analysis, **Mr. Gerald J. Koncar**, THERMO Electron Corp
PP11	Tandem GCMS Analysis of Pesticides in Confectionary Products by Large Volume Injection with a Back-flush Option, **Mr. Eric Phillips**, Thermo Electron Corp
PP12	Removal of Pesticide Residues During Kimchi Preparation And Fermentation On Chinese Cabbage, Brassica Campestris And Young Radish, Raphanus Sativus Applied By Foliar Spraying, **Ms. Hyeyoung Kwon**, National Institute of Agricultural Science and Technology, Korea
PP13	LC-MS/MS Analysis of Fluoroquinolone Antibiotics in Honey Samples, **Dr. Ahmed Ibrahim** and **Mr. Rolando Perez**, ADPEN Laboratories
PP14	Development of a New Series of Low-Bleed, High-Inertness Capillary GC Columns, Through Improved Deactivation Chemistry and Stationary Phase Synthesis, **Mr. Gary Stidsen**, Restek
PP15	Analysis of Rotenone in Surface Water with Liquid Chromatography/Time-of-Flight Mass Spectrometry, **Dr. Xiaoming Zhao**, Ontario Ministry of the Environment
PP16	Application of a Novel Carbon/PSA Phase for the Simultaneous Determination of Pesticide Residues in Vegetable and Food Products, **Mr. Steve Cecil**, Supelco
PP17	Dual-Layer SPE Technology for Pesticide Analysis in Food/Agriculture Matrices, **Mr. Steve Cecil**, Supelco

FPAC posters are listed on page 12

PROGRAM PRESENTORS AND MODERATORS

In alphabetical order

KEY to Presentation Numbering System

FPRW / FPAC Joint Session talks are numbered, **J1, J2, J3** ...
FPRW talks are numbered, **P1, P2, P3** ...
FPRW posters are numbered, **PP1, PP2, PP3** ...
FPAC talks are numbered, **F1, F2, F3** ...
FPAC posters are numbered, **FP1, FP2, FP3** ...
Moderator = **M**
Seminar = **S**

M, J1, J3	**Abbott, Dr. Douglas**, USDA, FSIS, FERN Division Director, 950 College Station Rd, Russell Research Center, Athens, GA 30605, Phone: 706.546.3587, Fax: 706.546.3518, douglas.abbott@fsis.usda.gov
F16	**Acuff, Dr. Gary R.**, Texas A & M University, Department of Animal Science, 2471 TAMU, College Station, TX 77843-2471, Phone: 979.845.1543, Fax: 979.845.6433, gacuff@tamu.edu
Welcome	**Aller, Dr. Marion**, FL Dept. of Agriculture & Consumer Services, Division of Food Safety, 3125 Conner Blvd, C-18, Tallahassee, FL 32399-1560, Phone: 850.488.0295, Fax: 850.488.7946, allerm1@doacs.state.fl.us
M	**Allum, Mr. Raymond,** FL Dept. of Agriculture & Consumer Services, Bureau of Chemical Residue Lab, 3125 Conner Blvd., Bldg 3, Tallahassee, FL 32399, Phone: 850.410.3237, Fax: 850.922.9110, allumr@doacs.state.fl.us
PP1	**Antonious, Dr. George**, Kentucky State University, Dept. of Plant & Soil Science, 400 East Main St, 218 Atwood Research Facility, Frankfort, KY 40601, Phone: 502.597.6005, Fax: 502.597.6381, George.antonious@kysu.edu
P6	**Baggett, Ms. Xiujing Lu**, GA Dept. of Agriculture, 19 M. L. King Jr. Dr. SW, Atlanta, GA 30334 Phone: 404-656-3716, Fax: 404-463-2127, xlu@agr.state.ga.us
P19	**Beck, Dr. Jonathan**, Thermo Electron, 355 River Oaks Pkwy, San Jose, CA 95134, Phone: 408.965.6079. Fax: 408.965.6113, Jonathan.beck@thermo.com
F7	**Bhagwat, Dr. Arvind A.**, USDA, ARS, Produce Quality and Safety Laboratory, 10300 Baltimore Ave., Bldg. 002, Rm 117 BARC-W, Beltsville, MD, 20705-2350, Phone: 301.504.5106, Fax: 301.504.5107, bhagwata@ba.ars.usda.gov
F9	**Bulteau, Dr. Stéphane**, bioMérieux, chemin de l'Orme, Marcy L'Etoile, F69280, France, Phone: +33 478 87 75 46, Fax: +33 478 87 53 40, stephane.bulteau@eu.biomerieux.com
PP16, PP17	**Cecil, Mr. Steve**, Supelco, 719 Beaver Cove, Leveland, CO, 80537, Phone: 970.692.0245 , Fax: 814.359.5459, scecil@sihl.com

PP3	**Chambers, Ms. Laura**, O I Analytical, 151 Graham Rd, P.O. Box 9010, College Station, TX 77842-9010, Phone: 979.690.1711 ext 226, Fax: 979.690.0440, lchambers@oico.com
P14	**Chen, Dr. Audrey,** FMC Corp., P.O. Box 8, Princeton, NJ 08543, Phone: 609.951.3506, Fax: 609.951.3670, audrey_chen@fmc.com
P16, S	**Clabaugh, Mr. Matthew**, Applied Biosystems, 14480 S Gardner Rd, Gardner, KS 66030 Phone/Fax: 913.856.7236, clabaump@appliedbiosystems.com
P9, PP4	**Cochran, Mr. Jack**, LECO Corp., 815 Pilot Rd, Suite C, Las Vegas, NV 89119, Phone: 702.614.1143, Fax: 702.614.1189, jack_cochran@leco.com
M, P3	**Cook, Ms. Jo Marie**, FL Dept. of Agriculture & Consumer Services, Bureau of Chemical Residue Lab, 3125 Conner Blvd., Bldg 3, Tallahassee, FL 32399, Phone: 850.410.3217, Fax: 850.922.9110, cookj@doacs.state.fl.us
F14	**Côté, Dr. Yvan P.**, Warnex Research Inc., 1885, boul. Industriel, Laval (Québec), H7L 4S3, Canada, Phone : 450.663.6724 ext 256, Fax : 450.669.2784, ycote@warnex.ca
F15	**Donnelly, Dr. Catherine**, University of Vermont, Department of Nutrition and Food Science, Room 254 Carrigan Wing, Burlington, VT, 05401, Phone: 802.656.5495, Fax: 802.656.0001, Catherine.donnelly@uvm.edu
F2, F3	**Doyle, Dr. Michael P.**, University of Georgia, Center for Food Safety, 1109 Experiment Street, Griffin, GA, 30223-1797, Phone: 770.228.7284, Fax: 770.229.3216, mdoyle@uga.edu
P8	**Eigen, Ms. Susan**, Georgia Dept. of Agriculture, PO Box 1507, Tifton, GA 31793-1507, Phone: 229.386.3133, Fax: 229.386.7227, seigen@agr.state.ga.us
P11	**Eitzer, Dr. Brian**, Connecticut Ag Experiment Station, PO Box 1106, New Haven, CT 06504-1106, Phone: 203.974.8453, Fax: 203.974.8502, brian.eitzer@po.state.ct.us
J6	**Fricke, Mr. Fred**, FDA, ORA, Forensic Chemistry Center, 6751 Steger Dr, Cincinnati, OH 45237, Phone: 513.679.2700, Fax: 513.679.2761, ffricke@ora.fda.gov
FP1	**Garcia, Dr. Santos**, School of Biological Sciences, Universidad Autónoma de Nuevo León, Ciudad Universitaria, Apdo. Postal 124-F, San Nicolas, N.L. 66451 Mexico, Phone: 52.81.8376.3044, Fax: 52.81.8376.3044, santos@microbiosymas.com
P5	**Garris, Ms. Sherry T.**, SC Dept. of Agriculture, 1101 Williams St, Columbia, SC 29201, Phone: 803.737.9706, Fax: 803.737.9703, Sgarris@SCDA.sc.gov
M	**Hale, Ms. Yvonne**, FL Dept. of Agriculture & Consumer Services, Bureau of Food Lab, 3125 Conner Blvd., Bldg 9, Tallahassee, FL 32399, Phone: 850.414.0408, Fax: 850-487-6573, haley1@doacs.state.fl.us

M	**Hall, Ms. Grace**, FL Dept. of Agriculture & Consumer Services, Bureau of Food Lab, 3125 Conner Blvd., Bldg 9, Tallahassee, FL 32399, Phone: 850.414.0412, Fax: 850.487.6573, hallg@doacs.state.fl.us
F5	**Hammond, Dr. Roberta M.**, FL Dept. of Health, 4052 Bald Cypress Way, Bin #A08, Tallahassee, FL 32399-1712, Phone: 850.245.4116, Fax: 850.922.8473. Roberta_hammond@doh.state.fl.us
F4	**Harrell, Dr. C. Dix**, USDA-APHIS-VS, 7022 NW 10th Place, Gainesville, FL 32605, Phone: 352.333.3120 ext. 208, Fax: 352.333.6849, cdix.harrell@aphis.usda.gov
FP2	**Heredia, Dr. Norma Laura,** School of Biological Sciences, Universidad Autónoma de Nuevo León, Ciudad Universitaria, Apdo. Postal 124-F, San Nicolas, N.L. 66451 Mexico, Phone: 52.81.8376.3044, Fax: 52.81.8376.3044, norma@microbiosymas.com
PP6	**Holcomb, Mr. Jim**, FDA, Southeast Regional Lab, 60 8th St. NE, Atlanta, GA 30309, Phone: 404.253.1200 ext 6294, Fax: 404.253.1208, jim.holcomb@fda.hhs.gov
PP13	**Ibrahim, Dr. Ahmed**, ADPEN Laboratories, 11757 Central Parkway, Jacksonville, FL 32224, Phone: 904.645.9169, Fax: 904.641.8423, ai@adpen.com
PP8	**Jones, Mr. Kenneth C.**, Shimadzu, 3070 Business Park Drive, Suite H, Norcross, GA, 30071, Phone: 770-441-0017, Fax: 770-441-7987, kcjones@shimadzu.com
P18	**Kilpatrick, Ms. Donna**, FL Dept. of Agriculture & Consumer Services, Bureau of Chemical Residue Lab, 3125 Conner Blvd., Bldg 3, Tallahassee, FL 32399-1650, Phone: 850.488.7312, Fax: 850.922.9110, kilpatd@doacs.state.fl.us
PP9	**Kim, Dr. Yong-Mu**, Busan Regional Food & Drug Administration, 123-7 Yongdang-dong, Nam-ku, Busan, 608-829, South Korea, Phone: 82.51.610.6142, Fax: 82.51.610.6179, ymkim73@kfda.go.kr
P21	**Klein, Dr. David**, TX Parks & Wildlife, 505 Staples Road, San Marcos, TX 78666, Phone: 512.353.3486, Fax: 512.353.7329, david.klein@tpwd.state.tx.us
PP10	**Koncar, Mr. Gerald J.**, THERMO Electron Corp, 665 Molly Lane, Suite 140, Woodstock, GA 30189-3702, Phone: 770.516.5589, Fax: 770.516.6916, Gerald.Koncar@Thermo.com
P10	**Krol, Dr. Walter J.**, Connecticut Ag Experiment Station, 123 Huntington St, New Haven, CT 06504, Phone: 203.974.8456, Fax: 203.974.8502, Walter.Krol@po.state.ct.us
PP12	**Kwon, Ms. Hyeyoung**, National Institute of Ag Science & Technology, 150 Suinro, Suwon, Gyeonggi-do, 441-707, Republic of Korea, Phone: 82.31.290.0522 , Fax: 82.31.290.0506, kwonhy@rda.go.kr

FP3	**Lee, Dr. Gun-Young,** Korea Food & Drug Administration, #231 Jinheung-No, Nokbun-Dong, Eunpyung-Gu, Seoul, 122-704, Korea, Phone: 82.2.380.1682~3, Fax: 82.2.380.1615, grasia@kfda.go.kr
F11	**Lorence, Dr. Matthew**, Affymetrix, Inc., 3420 Centraol Expressway, Santa Clara, CA 95051, Phone: 408.731.5240, Fax: 408.731.5755 , matthew_lorence@affymetrix.com
M	**Lucas, Ms. Patty**, FL Dept. of Agriculture & Consumer Services, Pesticide Lab, 3125 Conner Blvd, Bldg 5, Tallahassee, FL 32399-1650, Phone: 850.921.0641, Fax: 850.414.1384, lucasp@doacs.state.fl.us
J4, J5	**McGrath, Mr. Timothy**, FDA, ORA, Mail stop HFC-140, Rockville, MD 20857, Phone: 301.827.1028, Fax: 301.443.6388, timothy.mcgrath@fda.hhs.gov
PP7	**McMullen, Dr. Sarah**, FDA, Southeast Regional Lab, 60 Eighth Street, NE, Atlanta, GA 30309, Phone: 404.253.1200 ext 5370, Fax: 404.253.1208, smcmulle@ora.fda.gov
P20, S	**Meaker, Dr. Thomas,** Perkin Elmer, 710 Bridgeport Avenue, MS 10, Shelton, CT, 06484-4794, Phone: 770.622.1087, Fax: 770.476.3367, Thomas.Meaker@perkinelmer.com
P13	**Pappas, Mr. Chris,** USDA, AMS, Science & Technology, Monitoring Programs Office, 8609 Sudley Road, Suite 206, Manassas, VA 20110, Phone: 703.330.2300 ext 13, Fax: 703.369.0678, Chris.Pappas@usda.gov
M	**Parker, Ms. Gail**, FL Dept. of Agriculture & Consumer Services, Bureau of Chemical Residue Lab, 3125 Conner Blvd., Bldg 3, Tallahassee, FL 32399-1650, Phone: 850.410.3057, Fax: 850.922.9110, parkerg@doacs.state.fl.us
PP13	**Perez, Mr. Rolando**, ADPEN Laboratories, 11757 Central Parkway, Jacksonville, FL 32224, Phone: 904.645.9169, Fax: 904.641.8423, rp@adpen.com
PP11	**Phillips, Mr. Eric**, Thermo Electron, 2215 Grand Ave. Parkway, Austin, TX 78728, Phone: 512.251.1464, Fax: 512.251.1597, eric.phillips@thermo.com
F1	**Powell, Dr. Douglas**, Dept. of Diagnostic Medicine/Pathobiology, Kansas State University, Manhattan, KS, 66506, Phone: 785.317.0560, Fax: 785.532.4039, dpowell@ksu.edu
FP4	**Reddy, Dr. Shanker,** USDA-AMS-Science and Technology, Monitoring Programs Office, 8609 Sudley Rd, Suite 206, Manassas, VA 20110, Phone: 703.330.2300 ext 33, Fax: 703.369.0678, Shanker.Reddy@usda.gov
F8	**Rice, Dr. Dan**, NY State Dept. of Agriculture and Markets, 10B Airline Drive, Albany, NY, 02235, Phone: 518.457.4478, Fax: 518.485.8097, Daniel.rice@agmkt.state.ny.us
S	**Romano, Mr. Joe**, Waters Corporation, 100 Cummings Center, Suite 407N, Beverly, MA 01915-6101, phone: 508.482.2963, fax: 508.482.4600, joe_romano@waters.com

P15	**Rygiel, Ms. Teresa,** FL Dept. of Agriculture and Consumer Services, Bureau of Pesticides, 3125 Conner Blvd., Bldg 5, Tallahassee, FL 32399-1650, Phone: 850.921.4777, Fax: 850.414.1384, rygielt@doacs.state.fl.us
P4, PP7	**Schenck, Mr. Frank J.**, FDA, Southeast Regional Lab, 60 Eighth St. NE, Atlanta, GA 30309, Phone: 404.664.4506, Fax: 404.253.1209, Frank.Schenck@fda.hhs.gov
M	**Schultz, Ms. Sandy**, FL Dept. of Agriculture & Consumer Services, Bureau of Food & Meat Inspection, 3125 Conner Boulevard, Suite H, Tallahassee, FL 32399-1650, Phone: 352.583.2061, Fax: 352.583.2175, schults@doacs.state.fl.us
P2	**Schulz, Mr. Danny,** FL Dept. of Agriculture & Consumer Services, Bureau of Chemical Residue Lab, 3125 Conner Blvd., Bldg 3, Tallahassee, FL 32399, Phone: 239.348.7537, Fax: 239.348.7537, schulzd@doacs.state.fl.us
F10	**Schmidt, Dr. Ronald H.**, University of Florida, Food Science and Human Nutrition Department, 325 FSHN Building, PO Box 110370, Gainesville, FL 32611, Phone: 352.392.1991 ext 206, Fax: 352.392.9467, schmidt2@ufl.edu
M, J1, J2	**Sciacchitano, Mr. Carl**, FDA, ORA, Division of Field Services Director, Rm 1241, Rockville, MD 20857, Phone: 301.827.1232, Fax: 301.443.6388, carl.sciacchitano@fda.hhs.gov
PP5	**Shofran, Mr. Brian**, LECO Corp., 14950 Technology Court, Fort Myers, FL 33912, Phone: 239.425.0330, Fax: 239.425.0333, brian_shofran@leco.com
P1	**Siegelman, Mr. Frederic,** EPA, Analytical Chemistry Branch, 701 Mapes Rd, Ft. Meade, MD, 20755-5350, Phone: 410.305.2905, Fax: 410.305.3091, Siegelman.frederic@epa.gov
F12	**Silk, Dr. Todd**, PBM Nutritionals, PO Box 2109, 147 Industrial Park Road, Georgia, VT, 05468-2109, Phone: 802.527.0521 ext 290, Fax: 802.524.6457, tsilk@pbmnutritionals.com
F6	**Stark, Dr. Lillian**, FL Dept. of Health, Bureau of Laboratories, 3602 Spectrum Boulevard, Tampa, FL 33612, Phone: 813.974.5990, Fax: 813.974.5776, Lillian_stark@doh.state.fl.us
PP14	**Stidsen, Mr. Gary**, Restek Corp., 110 Benner Circle, Bellefonte, PA 16823, Phone: 814.353.1300, Fax: 814.353.1309, gary.stidsen@restekcorp.com
PP2	**Torma, Dr. Laszlo**, Pickering Laboratories, 1280 Space Park Way, Mountain View, CA 94043-1434, Phone: 650.694.6700, Fax: 650.968.0749, laszlo@pickeringlabs.com
P17	**Turnipseed, Dr. Sherri B.,** FDA, ORA, Animal Drugs Research Center, HFR-SW280, Denver, CO 80225, Phone: 303.236.3072, Fax: 303.236.9675, sherri.turnipseed@fda.hhs.gov

P7	**Wong, Dr. Jon W.**, FDA, Center for Food Safety and Applied Nutrition, 5100 Paint Branch Pkwy, HFS-336, College Park, MD, 20740, Phone: 301.436.2172, Fax: 301.436.2632, Jon.wong@fda.hhs.gov
F13	**Wright, Dr. Anita**, University of Florida, Food Science and Human Nutrition Department, PO Box 110370, Gainesville, FL 32667, Phone: 352.392.1991 x 311, Fax: 352.392.9467, acw@ufl.edu
PP15, S	**Zhao, Dr. Xiaoming**, Ontario Ministry of the Environment, 125 Resources Road, Etobicoke, ON, M9P 3V6, Canada, Phone: 416.235.6178 , Fax: 416.235.5900 xiaoming.zhao@ene.gov.on.ca
P12, S	**Zumwalt, Dr. Michael,** Agilent Technologies, 9780 S Meridian Blvd, MS:1-1E, Englewood, CO, 80112, Phone: 303.662.3532, Fax: 303.662.3634, michael_zumwalt@agilent.com

PROGRAM ADDENDUM

Additional Sponsor:
DPX Supply Company, a **Silver Beaker Sponsor** www.DPXsupply.com

Additional Exhibitors:

Chase Scientific Glass Group	www.ChaseScientific.com
DPX Supply Company	www.DPXsupply.com
J-2 Scientific	www.j2scientific.com

Room Changes Wednesday:
On Wednesday the FPRW technical session will be held in **Palm 1 Ballroom**, the FPAC technical session will be held in **Palm 2 Ballroom**, and all coffee/breaks will be served in the **Palm Foyer**. See map on other side

MDP Lunch Meeting (lunch not provided)
Tuesday July 18th at noon - For all MDP participants - Location: Orange Blossom Room

Additional Presentation:
FPRW poster PP18, "Automated Concentration of Gel Permeation Chromatography (GPC) Cleanup Collect Fractions During Sample Processing," **Mr. Jeffrey Wiseman**, J-2 Scientific

Correction:
On page 7, **Dr. Xiaoming Zhao** is incorrectly listed as working for Environment Canada. Dr Zhao is with the **Ontario Ministry of the Environment**. The title of her luncheon seminar presentation is: Liquid Chromatography/Mass Spectrometry Analysis of Pesticides and Emerging Organic Pollutants in the Environment

Presenter Change:
FPRW poster PP8 will be presented by **Dr. Richard Whitney**, Shimadzu

Cancellations:
FPAC poster FP4, "Trends in the Microbiological Quality of Fresh Produce," has been withdrawn.

JOEL USA will not be exhibiting

PROPERTY OVERVIEW

