Jo Marie Cook

FPRW 2007



44th Florida Pesticide Residue Workshop

TradeWinds Island Grand Resort
St. Pete Beach, Florida

July 22 - 25, 2007

Florida Pesticide Residue Workshop

Hosted by

Florida Department of Agriculture & Consumer Services

Sponsored by

FLAG Works, Inc.

FPRW

FPRW
3230 Yorktown Drive
Tallahassee, FL 32312
FAX: 850.385.2075
www.FLworkshop.com

July 22, 2007

Dear Attendees and Exhibitors,

Welcome to the 44th Annual Florida Pesticide Residue Workshop.

We want to say hello to old friends and extend a hand in greeting to first time attendees. 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 scrumptious get-acquainted reception (complements of the TradeWinds Island Grand Resort). And if you like to get up early, meet us Tuesday morning on the beach for the 1-mile run/walk. Join friends to play volleyball on Tuesday evening.

The FPRW's focus is on pesticide residues in food and environmental matrices. This year we have sessions on Pesticide Risk Assessment and Registration with Nina Heard from Syngenta as our keynote speaker. On Tuesday morning we start the day with a session on Evolution of Pesticide Residue Analysis with Frank Schenck as keynote. The Tuesday afternoon Environmental Contaminants session is packed with important method presentations.

We also have devoted Monday afternoon to Emergency Response from the Laboratory's Perspective. We have planned presentations that will give you insight into the experiences of laboratories that have been there, including Florida's anthrax and Louisiana's Katrina. FDA will describe the development of a number of methods to identify contaminants in pet food. They will also explain how government, industry and academic scientists came together in response to the recent melamine contamination in animal feeds.

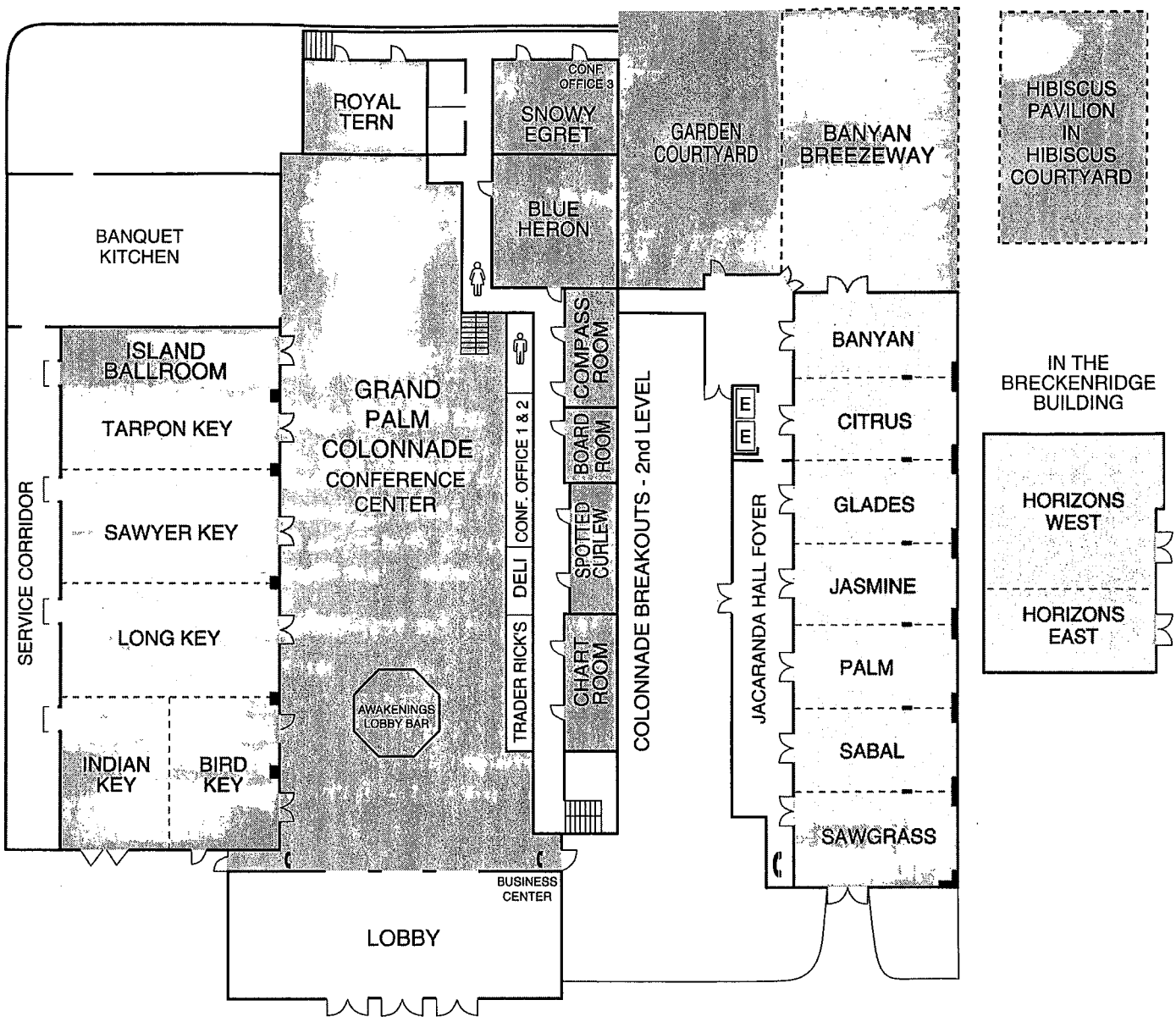
As has been the tradition in recent years, Wednesday's session is devoted to other residues of concern, such as antibiotics, toxins and organic contaminants.

Our presenters hail from government, academic and private sectors around the globe, resulting in a very comprehensive program indeed.

We hope you will enjoy the Florida sunshine and make lasting friendships!

Your FPRW committee,

Jo Marie Cook, W. George Fong Gail Parker, Susan Eigen, Patty Lucas, Teresa Rygiel, Walter Hammack and Amy Brown



Technical Sessions: Long Key / Bird Key and Indian Key Ballrooms

Exhibits, Posters, Reception: Banyan Breezeway (adjacent to Courtyard)

Vendor Seminars: Banyan & Citrus Rooms (across the hall from exhibits) or Blue Heron Room (upstairs)

MEETING AT-A-GLANCE

Sunday Evening, July 22, 2007

5:00 - 8:00 pm	Registration	Grand Palm Colonnade
6:00 - 7:30 pm	**Vendor Seminar: LECO**	Banyan Room (Jacaranda Hall)
6:00 pm	Exhibition Set Up Begins	Banyan Breezeway
8:00 pm	Poster Set Up Begins	Banyan Breezeway
6:00 - 10:00 pm	Technical Session Setup	Long / Bird / Indian Key Ballrooms

Monday, July 23, 2007

All Day	Exhibition	Banyan Breezeway
All Day	Posters	Banyan Breezeway
7:30 - 8:30 am	Registration	Grand Palm Colonnade
7:30 - 8:30 am	Early Morning Coffee	Banyan Breezeway
8:30 am – 12:00	**Risk Assessments and Registrations**	Long/Bird/Indian Key Ballrooms
12:15 - 1:15 pm	**Vendor Seminar: Waters**	Banyan Room (Jacaranda Hall)
12:15 - 1:15 pm	**Vendor Seminar: Thermo Fisher**	Citrus Room (Jacaranda Hall)
1:30 - 3:05 pm	**Emergency Response from the Laboratory's Perspective**	Long / Bird / Indian Key Ballrooms
3:30 - 5:00 pm	**Contaminated Pet Food - Cooperation of Federal, State, Academic and Industry**	Long / Bird / Indian Key Ballrooms
5:10 - 6:00 pm	**Open Forum: Laboratory's Response to Emergencies**	Long / Bird / Indian Key Ballrooms
6:00 - 7:00 pm	**Authors at their posters**	Banyan Breezeway
7:00 - 8:00 pm	**Evening Reception**	Banyan Breezeway

Tuesday, July 24, 2007

6:45 - 7:30	Fun Run	On the Beach outside pool area
All Day	Exhibition	Banyan Breezeway
7:30 - 8:30 am	Registration	Grand Palm Colonnade
7:30 - 8:30 am	Early Morning Coffee	Banyan Breezeway
7:30 - 8:15 am	**Vendor Seminar: Chromsys**	Citrus Room (Jacaranda Hall)
8:30 - 10:30 am	**Evolution of Pesticide Residue Analysis**	Long / Bird / Indian Key Ballrooms
11:00 - 12:00 pm	**ISO 17025 Accreditation**	Long / Bird / Indian Key Ballrooms
12:30 - 1:30 pm	**Open Forum: Ask A2LA**	Long / Bird / Indian Key Ballrooms
12:15 - 1:15 pm	**Vendor Seminar: Agilent**	Blue Heron Room (Jacaranda Hall)
12:15 - 1:15 pm	**Vendor Seminar: SPEX**	Banyan Room (Jacaranda Hall)
1:30 - 4:15 pm	**Environmental Contaminants**	Long / Bird / Indian Key Ballrooms
4:30 - 6:00 pm	**MS Users Meeting**	Long / Bird / Indian Key Ballrooms

Wednesday, July 25, 2007

7:30 - 8:30 am	Registration	Grand Palm Colonnade
7:30 - 8:30 am	Early Morning Coffee	Grand Palm Colonnade
8:30 - 12:20 am	**Other Trace Level Analyses**	Long / Bird / Indian Key Ballrooms
12:30 - 1:30 pm	**Vendor Seminar: Applied Biosystems**	Banyan Room (Jacaranda Hall)

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

If you need to look at your slides, please coordinate that with the registration desk or the AV projectionist.

KEY to Presentation Numbering System

Talks are numbered, **1, 2, 3...**
Posters are numbered, **P1, P2, P3** ...
At the end of the program, presenters' addresses 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, 6:00 - 7:00 pm.

Exhibition

Monday - 7:30 am - 5:00 pm
Monday during evening reception 7:00-8:00 pm
Tuesday - 7:30 am - 5:00 pm

Coffee and Breaks

Coffee will be available 7:30 - 8:30 am each morning. There will be morning refreshment breaks each day and afternoon refreshment breaks on Monday and Tuesday. All Monday and Tuesday breaks will be served in the Banyan Breezeway in conjunction with the Exhibition. On Wednesday the morning breaks will be served in the Grand Palm Colonnade.

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.

2007 EXHIBITORS

Exhibition Location: Banyan Breezeway

In alphabetical order

A2LA	www.A2LA.org
ABC Laboratories	www.abclabs.com
Accustandard	www.accustandard.com
Adpen Laboratories, Inc.	www.adpen.com
Agilent Technologies	www.agilent.com
Applied Biosystems	www.appliedbiosystems.com
Bruker Daltonics	www.bruker.com
Dionex Corporation	www.dionex.com
DPX Labs LLC	www.dpxlabs.com
Gerstel, Inc.	www.gerstelus.com
Horizon Technology, Inc.	www.horizontechnic.com
J2 Scientific	www.j2scientific.com
LEAP Technologies	www.leaptec.com
LECO Corporation	www.leco.com
Man Sci, Inc. / Gilson	www.mansci.com
Matheson Tr-Gas, Inc.	www.matheson-trigas.com
OI Analytical	www.oico.com
Parker Hannifin	www.labgasgenerators.com
Perkin Elmer	www.perkinelmer.com
Phenomenex	www.phenomenex.com
Pickering Laboratories, Inc.	www.pickeringlabs.com
Quantum Analytics	www.LQA.com
Restek Corporation	www.restek.com
Sci-Con	www.SCICON.net
SPEX Certi Prep, Inc.	www.spexcsp.com
Supelco/Sigma-Aldrich	**www.Sigma-Aldrich.com/Supelco**
Tampco Group, Inc. (Kewanee Scientific)	www.TAMPCO.com
Thermo Fisher Scientific, Inc	www.thermo.com
United Chemical Technologies	www.unitedchem.com
Varian, Inc.	www.varianinc.com
Waters Corporation	www.waters.com

2007 SPONSORS

A special THANK YOU to our meeting sponsors:

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Silver Beaker	Applied Biosystems Waters
Bronze Beaker	Pickering Laboratories SPEX CertiPrep Thermo Fisher Scientific

Their generous support helps makes the FPRW successful.

EXHIBITOR SEMINARS - FREE

Food and beverage provided by each company

Please sign up for the meeting at the registration desk

Sunday Evening, July 22, 2006

6:00 - 7:30 p.m. LECO — **Location: Banyan Room**

Presenter: Don Hilton

Advantages of Rapid Analysis Mass Spectrometry (RAMS) for Pesticide Screening: Introducing the new LECO TruTOF™ HT GCMS and the Unique® HT LCMS

Topic 1: The Application of True Signal Deconvolution™ and the fast spectral acquisition of the Pegasus® HT GC-TOFMS and the Unique® HT LC-TOFMS for improved screening, identification and quantification.
Description: Skew free time of flight spectra plus fast spectral acquisition rates make True Signal Deconvolution™ possible. How these advantages benefit unknown investigations as well as target compound approaches.

Topic 2: Introducing the bench top TruTOF™ HT GCMS from LECO – Instrument Business Outlook's New Product of the Year – ASMS 2007
Description: The first affordable bench top GC-TOFMS. With the advantages of True Signal Deconvolution™ and fast spectral acquisition in a bench top design LECO can help your laboratory reach its optimal productivity.

Monday Lunchtime, July 23, 2006

12:15 - 1:15 p.m. Waters — **Location: Banyan Room**

Presenters: *Aisling M. O'Connor and Joe Romano*

Ultra-performance liquid chromatography with polarity switching tandem quadrupole mass spectrometry for the determination of pesticide residues in baby foods

A fast, simple, robust UPLC/MS/MS method has been developed for the analysis and confirmation of 52 pesticides in various baby food matrices. Chromatographic separation was achieved using a 1.7µm particle size column (50 mm length) with a total cycle time of less than 10 minutes. Polarity switching during MS acquisition allowed the determination of 44 compounds which ionize in positive ion mode and 8 which ionize in negative ion mode during a single chromatographic run. The use of very short dwell times of 5 ms was found to have no effect on signal intensity, indicating that sensitivity can be maintained while monitoring over 100 MRM transitions during a single run.

12:15 - 1:15 p.m. Thermo Fisher Scientific — **Location: Citrus Room**

Presenter: Dr. Jonathan Beck

Topic 1: **Quantitation Enhanced Data Dependant MS, the Simultaneous Collection of Quantitative and Qualitative Triple Quadrupole Data in One Analysis**

The Quantitation Enhanced Data Dependant (QED) scan function allows for the simultaneous collection of full scan Q3 data for qualification and SRM data for quantitation. QED provides additional data that can be used to help eliminate false positives by providing full scan Q3 spectra that can be library searched, or used for ion ratio calculations. Data will be shown demonstrating the utilization of the QED scan function on food and environmental samples for pesticides and other banned or regulated compounds.

Presenter: Eric Phillips

Topic 2: **Optimization of Extraction and Injection Phases of the Analysis of Pesticides in Produce by GCMS**

The author will give an overview of some injection techniques available with optimization tips for the operation of each. The results of the study of the analysis of a specific list of pesticides in apples with varying functional groups will be given by injection using a conventional split/splitless injector in the splitless mode and a temperature programmable injector operated in the following modes: constant temperature splitless mode, temperature programmed splitless mode, temperature programmed with surge pressure splitless mode and the large volume splitless mode. The injection efficiencies will be compared as well as the handling of the matrix. A discussion on sample preparation and clean up procedures will be given.

Tuesday Breakfast, July 24, 2006

7:30 - 8:15 a.m. Chromsys — **Location: Citrus Room**

Presenter: Ingo Christ

Analysis of QuEChERS samples using GC-MS/MS

By adding a proprietary Ion Rail collision cell and another high precision quadrupole, servig as mass filter Q3, the Agilent 5973 / 5975 Series is easily upgraded to a triple quadrupole instrument, the Chromtech Evolution. Using multiple reaction monitoring (MRM) is the most sensitive and selective technique to quantitate low levels of target compounds, especially in the presence of high background.

Tuesday Lunchtime, July 24, 2006

12:15 - 1:15 p.m. Agilent Technologies — **Location: Blue Heron Room**

Presenter: Dr. Jerry Zweigenbaum

Topic 1: **Screening and Confirmation of Multi-Residue Pesticide Analysis: LC/TOF-MS or LC/QqQ-MS**

Presenter: Dr. Philip Wylie

Topic 2: **Introducing the Agilent 7890/5975C GC/MSD with New Tools for Pesticide Analysis**

Agilent's noon-time seminar will discuss the most important tools needed for pesticide analysis. Part 1 will describe the use of HPLC combined with triple quadrupole (LC/QqQ-MS) or time-of-flight mass spectrometry (LC/TOF-MS) for screening, quantitation and confirmation of 100s of pesticides. The advantages and disadvantages of each and suggested workflow for the analysis with appropriate QA/QC procedures will be discussed. Part 2 will highlight Agilent's new 7890A/5975C GC/MSD, which fully embraces Capillary Flow Technology. Emphasis will be placed on techniques that improve a laboratory's efficiency and accuracy of analysis.

12:15 - 1:15 p.m. SPEX — **Location: Banyan Room**

Presenter: Dr. Tom Mancuso

Calibration Strategies and Dilution Practices

This presentation covers good strategies for analytical calibrations focusing on chromatographic techniques. Discussed in detail are the uncertainties involved in various dilution practices, as well as a method of calculating uncertainties for USEPA method 8081. We have observed over the years that chemists use a variety of techniques to dilute solutions and calibrate instruments. We have also observed that many techniques in common practice contain an unacceptable amount of error and uncertainty. We wish to promote good laboratory practices and reduce the errors at the bench. The goal is to show calculations, uncertainties and lab practices that will help chemists make better measurements, or understand why they do so well.

Wednesday Lunchtime, July 25, 2006

12:15 - 1:15 p.m. Applied Biosystems — **Location: Banyan Room**

Presenter: André Schreiber

LC/MS/MS Based Strategies for High Throughput Pesticide Screening and Quantitation

The following workshop will discuss different LC/MS/MS strategies for high throughput pesticide screening and quantitation including the use of direct injection, on-line SPE and libraries. New tools available to reduce the complexity of analysis will also be discussed.

Monday Morning, July 23, 2007

Location: Long / Bird / Indian Key Ballrooms

Risk Assessments and Registrations

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

	8:30 - 8:45	Welcome, **W. George Fong**, FLAG Works, Inc.
1	8:45 - 9:30	**Keynote:** HEAD of North + South American Human SAFETY Exposure + RISK ASSESSMENT The Role of Residue Data in Pesticide Risk Assessment **Nina Heard**, Syngenta Crop Protection, Inc.
2	9:35 - 10:00	Florida's Pesticide Registration Evaluation Committee **Charlie Clark**, Florida Department of Agriculture ENVIR. ADMIN, PESTICIDE REGISTRATION SECTION, BUREAU of PEST
	10:00 -10:30	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: Banyan Breezeway [Poster authors, please finish hanging all posters now!]
3	10:30 - 10:55	Impact of Different Analytical Techniques on Risk Assessment: A Case Study on Arsenic in Saline Groundwater **Paul Rygiel**, Florida Department of Agriculture ENVIR- MNG, Scientific Evaluation Section, BUREAU of PESTICI
4	11:00 - 11:25	USDA's Pesticide Data Program: Techniques of Sample Collection **Jo Dyer**, USDA Pesticide Data Program SAMPLING MANAGER
5	11:30 - 11:50	Current Research Initiative with Public Health Pesticides **Brian Quinn**, USDA, ARS, CMAVE
	11:55 - 12:00	Door Prize Drawing - You must be present to win!
	12:00 - 1:30	**Lunch** (on your own)
	12:15 - 1:15	**Lunch Seminar: Waters**
	12:15 - 1:15	**Lunch Seminar: Thermo Fisher Scientific**

Monday Afternoon, July 23, 2006

Location: Long / Bird / Indian Key Ballrooms

Emergency Response from the Laboratory's Perspective

Moderator: **Susan Eigen**, Georgia Department of Agriculture

6	1:30 - 1:50	Response to Anthrax and other Laboratory Emergencies **Yvonne Salfinger**, Florida Dept.of Agriculture and Consumer Services
7	1:55 - 2:15	Pesticide Analysis in the Wake of Katrina and Rita, Lessons Learned **Amy Hernandez,** Louisiana Dept. of Agriculture
8	2:20 - 2:40	Food Safety: The World Is Our Table **Mike Farrow**, Georgia Department of Agriculture
9	2:45 - 3:05	CDC LRN and Chemical Threat Response in Texas **David Klein**, Texas Department of State Health Services
	3:05 - 3:30	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: Banyan Breezeway
10	3:30 - 5:00	**Contaminated Pet Food - Cooperation of Federal, State, Academic, and Industry Laboratories** Site Investigations and Laboratory Coordination in a Crisis **Carl Sciacchitano**, Director, Division of Field Science, FDA Methods and Procedures for Identification of Melamine and Metabolites in Food and Food Ingredients **Frederick Fricke**, Director, Forensic Chemistry Center, FDA Streamlined Method for Determination of Melamine and Cyanuric Acid in Tissue by LC-MS/MS **Alexander J. Krynitsky,** Method Developments Branch, FDA
	5:00 - 5:10	Door Prize Drawing - You must be present to win!
11	5:10 - 6:00	**Laboratory's Response to Emergencies - Open Forum** Ask Presenters your questions. Share problems and solutions in an open forum.
	6:00 - 7:00	**FPRW Poster Session - Authors available at their posters** Location: Banyan Breezeway
	7:00 - 8:00	**Reception** - compliments of the TradeWinds Island Grand Location: Banyan Breezeway (Cash Bar)

 Business

Tuesday Morning, July 24, 2007

Location: Long / Bird / Indian Key Ballrooms

Evolution of Pesticide Residue Analysis

Moderator: **Amy Brown,** Florida Department of Agriculture and Consumer Services

	6:15 - 7:30	Fun Run / Walk on the Beach. *Contestants gather on beach at 6:15 AM*
	7:30 - 8:15	**Breakfast Seminar: Chromsys**
	8:30 - 8:45	"Welcome" and Fun Run Awards
12	8:45 - 9:25	**Keynote:** Pesticide Residue Analysis - Where Have We Been? Where are We Going? **Frank Schenck**, Food and Drug Administration
13	9:30 - 9:55	Multiresidue Analysis of Pesticides in Fresh Produce using QuEChERS Concepts, GC, and GC-MS/SIM, **Jon Wong**, Food and Drug Administration
14	10:00 - 10:25	Pesticide Residue in Produce Sold in Connecticut: A Comparative Study of Present and QuEChERS Methodology **Walter Krol**, Connecticut Agricultural Experiment Station
	10:30 -11:00	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: Banyan Breezeway

ISO 17025 Accreditation

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

15	11:00 - 11:30	Process and Points to Consider in ISO 17025 Laboratory Accreditation, **Roger Brauninger**, A2LA
16	11:35 - 11:55	Implementing ISO 17025 in Our Laboratory, **Gail Parker**, Florida Dept.of Agriculture and Consumer Services
	12:00 - 12:10	Door Prize Drawing - You must be present to win!
17	12:30 - 1:30	**Ask A2LA! With Roger Brauninger** There are so many questions. Now you can ask an expert! *(Grab a sandwich in the lobby)*
	12:00 - 1:30	**Lunch** (on your own)
	12:15 - 1:15	**Lunch Seminar: Agilent Technologies** — CITRUS
	12:15 - 1:15	**Lunch Seminar: SPEX** — BLUE HERON

Tuesday Afternoon, July 24, 2007

Location: Long / Bird / Indian Key Ballrooms

Environmental Contaminants

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

18	1:30 - 1:50	Increasing Sample Throughput in Pesticide Residue Analysis Using a Geno/Grinder Extractor and LC/MS/MS Detection **Joseph McClory**, Dupont
19	1:55 - 2:15	The Evolution of Analysis Methodology for the Determination of Diquat and Paraquat in Environmental Matrices, **Jake Adams**, Florida Dept.of Agriculture and Consumer Services
20	2:20 - 2:40	New Developments in LC/MS/MS, GC/MS and GC/MS/MS Methods for the Analysis of Pesticides and their Degradation Products in Air and Water Samples, **Renata Raina**, University of Regina, Regina SK, Canada
21	2:45 - 3:05	Analysis of Neonicotinoid Pesticides in Bee Pollen by LC/MS/MS **Brian Eitzer**, Connecticut Agricultural Experiment Station
	3:05 - 3:30	**Break (w/ refreshments) - PLEASE VISIT EXHIBITORS** Location: Banyan Breezeway
22	3:30 - 3:50	In Situ Mass Spectrometry for Environmental Measurements in Aqueous Systems **Tim Short**, University of South Florida
23	3:55 - 4:15	Liquid Chromatography/Mass Spectrometry Library and Strategy for Identifying Harmful Organics in Drinking Water, **Lawrence Zintek**, U.S. EPA, Chicago, IL
	4:20 - 4:30	Door Prize Drawing - You must be present to win!
24	4:30 - 6:00	**MS Users Meeting**

Moderator: **Walter Hammack,** Florida Dept. of Agriculture and Consumer Services

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.)

6:00 Beach Volleyball

Wednesday Morning, July 25, 2006

Location: Long / Bird / Indian Key Ballrooms

Other Trace Level Analyses

Moderator: **Walter Hammack,** Florida Dept. of Agriculture and Consumer Services

25	8:30 - 9:15	**Keynote:** Seafood Toxin Analysis, **Michael Quilliam**, National Research Council of Canada, Marine Biosciences
26	9:20 - 9:40	Development of a Turbulent Flow Liquid Chromatography Screen to Monitor Trace Levels of Contaminant Antibiotics in Honey samples **Francois Espourteille**, ThermoFisher Scientific
27	9:45 - 10:05	Effective Screening and Quantitation Strategies for Trace Analysis in Food and Environmental Samples, **Peter Hancock**, Waters Corporation
	10:10 - 10:30	**Break (w/ refreshments)** Location: International Ballroom Foyer
28	10:30 - 10:50	Multiresidue Method for Agricultural Chemicals in Animal and Fishery Products by GC/MS **Kazuaki Iijima**, The Institute of Environmental Toxicology, Japan
29	10:55 - 11:15	Analysis of Melamine and Fluoroquinolones by LC/MS/MS, **Sarah McMullen**, Food and Drug Administration
30	11:20 - 11:40	Comparison of Luke Method with Disposable Pipette Extraction of Pesticide Residues **William Brewer**, University of South Carolina
31	11:45 - 12:05	A Survey of Mercury in Seafood 1999-2007: What are the Implications? **Marc Engel**, Florida Department of Agriculture and Consumer Services
	12:10 - 12:20	Door Prize Drawing - You must be present to win!
	12:30 - 1:30	**Lunch Seminar: Applied Biosystems**

FPRW Meeting Adjourns

FPRW POSTERS

All Day Monday and Tuesday!

Location: Banyan Breezeway

(Please hang posters by morning coffee break on Monday)

Authors available at their posters during

Formal Poster Session

Monday, 6:00 - 7:00 PM

P1	Analysis of Water for Pesticides at Low Parts per Trillion (ppt) Levels Using Two Dimensional LC/MS/MS Without Sample Treatment, **Andre Schreiber**, Applied Biosystems
P2	Using the MRM Catalogue of Cliquid Software to Quickly Build Custom LC/MS/MS Methods for Pesticide Analysis, **Andre Schreiber**, Applied Biosystems
P3	Organic Pesticides: Quantification of Decanoic Acid Methyl Esters in Hot Pepper Accessions, **George F. Antonious**, Kentucky State University
P4	Recent Work on EPA Method 535 and 536 Using a Triple Quadrupole MS with Quantitative Enhanced Data Dependant Scanning, **Jonathan Beck,** Thermo Fisher Scientific
P5	Optimization of the Injection Phase of the Analysis of Pesticides in Produce, **Jessie Butler,** Thermo Fisher Scientific
P6	LC-MS/MS Determination of Phenoxyacid Herbicides and Degradation Products in Surface Waters, **Michele Etter,** University of Regina
P7	LC-MS/MS Determination of Organophosphorus Pesticides (OPPs) and Degradation Products in Atmospheric Samples, **Lina Sun**, University of Regina
P8	GC Method Comparison For Pesticide Analysis (MS vs. MS/MS and EI vs. NCI), **Patricia Hall**, University of Regina
P9	Determination of Pesticide Residues in Non-fatty Food Using Two Different Analytical Approaches, **Andrea Hercegova**, Slovak University of Technology
P10	Automated Spectral Searching to provide Specific Functional Group Detection Capability to GC-TOFMS, **Donald Hilton, Brian Shofran** LECO Corporation
P11	Multi Component Mycotoxin Analysis Using LC/MS/MS, **Nicholas Hubbard,** Varian, Inc.

P12	Analysis of Dimethomorph and Procymidone in an Onion (Allium cepa) by HPLC-UVD and GC-ECD, **Mi Ra Kim**, Daejeon Korea Regional Food and Drug Administration
P13	Use of a Molecularly Imprinted Polymer in the Determination of Pyrethroid Pesticides in Composite Foods, **Jeffrey Morgan**, U.S. Environmental Protection Agency.
P14	Analysis of Nerve Agent Degradation Products by UPLC/MS/MS, **Aisling O'Connor**, Waters
P15	LC/MS/MS Analysis of Sulfonamide Antibiotics in Honey Samples, **Rolando Perez**, Adpen Laboratories
P16	The Use of Accelerated Solvent Extraction (ASE) as a Sample Preparation Procedure Prior to the Determination of Pesticides Contamination in Foods, **Bruce Richter,** Dionex Corporation
P17	A Comparison of QuEChERS (Quick, Easy, Cheap, Effective, Rugged and Safe Approach for Determining Pesticide Residues) Products Prepared "in House" Versus Commercially Available QuEChERS Products, **Don Shelly**, United Chemical Technologies, Inc.
P18	PCB Analysis: It's Crazy to inject Fish Oil onto your GC...Isn't it?, **Philip L. Wylie**, Agilent Technologies
P19	Liquid Chromatography/Quadrupole Time-of-Flight Mass Spectrometry Analysis of Pesticides in Environmental Water Samples., **Paul W. Yang**, Ontario Ministry of the Environment
P20	Identification of Unknowns in Food Samples by LC/TOF-MS and LC/QTOF-MS, **Jerry Zweigenbaum**, Agilent Technologies
P21	Analysis and Confirmation of Aflatoxins in Extracts of Corn and Peanuts - A Comparison of LC Analytical Detectors, **Anthony Williams**, FDA
P22	Monitoring of Residual Pesticides in Commercial Agricultural Products in Korea, **Hyoung-Joon Park**, Gyeongin Regional Korea Food and Drug Administration
P23	Survey of Pesticide Residues in Health Functional of Food Consumed in Korea, **Yoon Jung Kang**, Busan Regional Korea Food and Drug Administration
P24	Reliable Multi-Target Analysis of Pesticides by HPLC-ESI-TOF Mass Spectrometry, **Ben Owens**, Bruker Daltonics, Inc.
P25	Using the Pulsed Flame Photometric Detector (PFPD) for Low-Level Analysis of Organophosphorus Pesticides, **Laura Chambers** and Michael Duffy, OI Analytical
P26	Two Novel GC Column Stationary Phases Designed for the Analysis of Pesticide Residues, **Sky Countryman,** Phenomenex
P27	Unattended In-Line and Sequential Sample Concentration for a Range of Applications, **Jeffrey Wiseman**, J2 Scientific

PROGRAM PRESENTORS AND MODERATORS

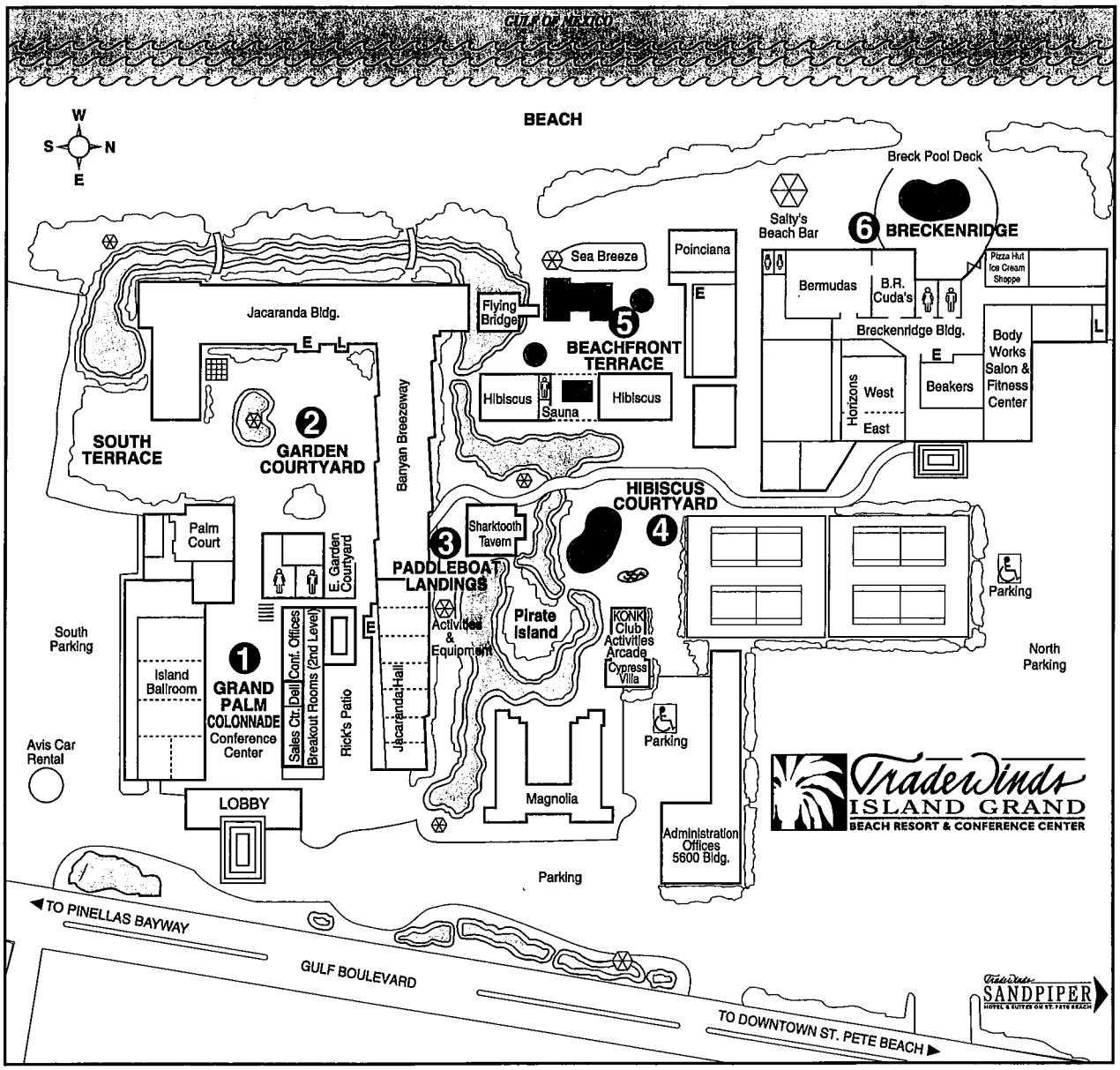
19	**Adams, Jake**, Florida Department of Agriculture, Pesticide Lab, 3125 Conner Blvd., Bldg. 5, Tallahassee, FL, USA 32399-1650 phone: 850-488-9375 email: adamsj@doacs.state.fl.us
P3	**Antonious, George**, Kentucky State University, Dept of Plant & Soil Science, 218 Atwood Research Facility, 400 East Main Street, Frankfort, KY, USA 40601 phone: 502-597-6005 email: George.antonious@kysu.edu
P4	**Beck, Jonathan**, Thermo Fisher Scientific, 355 River Oates Parkway, San Jose, CA, USA 95134 phone: 408.965.6079 email: Jonathan.Beck@Thermo.com
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DINING and SHOPPING

Awakenings Coffee & Spirits 1
B.R.Cuda's Sports Bar 6
Bermudas Restaurant 6
Flying Bridge Beach Bar 5
Deli 1
Palm Court Bistro 2
RedBeard's Sharktooth Tavern 3
Pizza Hut /Ice Cream Shoppe 6
Beaker's Tropical Outfitters 6

GUEST SERVICES

Avis Car Rental .....South Parking
Body Works Salon 6
Business Center .....Lobby
Concierge 1
Elevators .....E
Fitness Center 6
Guest Laundry, 1st Floor .....6 L
6th Floor .....2 L
Restrooms 1,5,6

RECREATION

Activities Information 4
Arcade 4
Cabanas .....Beach
Equipment Rental 3
Fitness Center 6
Mini Golf, Chess 2
Paddleboats 3
Tetherball 5
Water Sports .....Beach
Sauna 5
Swimming Pools (covered, 5) 4,5,6
Tennis Courts, Reservations 4
Whirlpools 5

CHILDREN'S AREAS

Kiddie Pool 4
KONK Club Activities Center 4