

STATION NEWS

THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION



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STATION NEWS
*PUTTING SCIENCE TO WORK FOR
SOCIETY*

The mission of The Connecticut Agricultural Experiment Station is to develop, advance, and disseminate scientific knowledge, improve agricultural productivity and environmental quality, protect plants, and enhance human health and well-being through research for the benefit of Connecticut residents and the nation. Seeking solutions across a variety of disciplines for the benefit of urban, suburban, and rural communities, Station scientists remain committed to "Putting Science to Work for Society", a motto as relevant today as it was at our founding in 1875.



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DEPARTMENTAL NEWS

ADMINISTRATION

DR. LOUIS A. MAGNARELLI spoke to Experiment Station Associates about Experiment Station budgets and activities on their bus trip (June 7); was interviewed by members of the Governor's Council on Agricultural Development in Hartford (June 8); was interviewed about bamboo by Phyllis Swebilus of the New Haven Register (June 13); spoke about recent scientific advances to members of the Experiment Station Associates Board (June 13); accepted the Gustav A. L. Mehlquist Award from the CT Horticultural Society in West Hartford (June 21); and was interviewed about honey bees by Greg Hlakey of the New Haven Register (June 22).

ANALYTICAL CHEMISTRY

DR. JASON C. WHITE participated in the monthly Laboratory Preparedness Network meeting at the CT Department of Public Health in Hartford and gave a presentation entitled "FDA Food Emergency Response Network (FERN) Ricin Drill and Glovebox Exercise" (15 attendees) (June 4); spoke by phone with Dean Turco of the FDA FERN National Program Office (NPO) regarding my assistance in the Chemistry Cooperative Agreement Program (cCAP) reporting to Congress that is required by the Food Safety Modernization Act (FSMA) (June 5, 15); spoke by phone with Catherine Murphy (University of Illinois) and Lee Newman (SUNY Syracuse) regarding ongoing and future collaborative experiments on the transport of nanomaterials within soil (June 6); visited the CT Department of Public Health electron microscopy laboratory to discuss collaborative research with Jack Bennett and Sue Isch (DPH staff) on the detection of nanoparticles in agricultural crops (June 8); participated in an FDA FERN Chemistry Cooperative Agreement (cCAP) Laboratory conference call (June 14); hosted a tour of the department laboratories and programs for a group of biology students from Central CT State University (20 attendees) (June 13); and hosted a tour of the department laboratories and programs for Dr. Shujywan Lin, who is interested in potentially volunteering in the department (June 28).

DR. BRIAN EITZER participated in an FDA FERN Chemistry Cooperative Agreement (cCAP) Laboratory conference call (June 14); and was interviewed by Greg Latkey of the Advocate Papers about the effect of pesticides on honey bees (June 21).

DR. WALTER KROL participated in an FDA FERN Chemistry Cooperative Agreement (cCAP) Laboratory conference call (June 14).

DR. CHRISTINA ROBB participated in an FDA FERN Chemistry Cooperative Agreement (cCAP) Laboratory conference call (June 14).

DR. ROBERTO DE LA TORRE ROCHE visited the CT Department of Public Health electron microscopy laboratory to discuss collaborative research with Jack Bennett and Sue Isch (DPH staff) on the detection of nanoparticles in agricultural crops (June 8).

MR. CRAIG MUSANTE visited the CT Department of Public Health electron microscopy laboratory to discuss collaborative research with Jack Bennett and Sue Isch (DPH staff) on the detection of nanoparticles in agricultural crops (June 8); and participated in a FDA FERN Chemistry Cooperative Agreement (cCAP) Laboratory conference call (June 14).



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BIOCHEMISTRY AND GENETICS

DR. DOUGLAS W. DINGMAN attended Eastern CT Beekeepers Assoc. meeting with guest speaker Randy Oliver (Univ. Conn., Storrs, CT) (June 9); attended CT Beekeepers Assoc. annual field day at Lockwood Farm (Hamden, CT) (June 16); and taught workshop (with **MARK CREIGHTON**; CT bee inspector) on using an optical microscope to monitor beehives for nose-ma presence and how to sequentially sample bees to determine the infection rate of the population (New Haven) (June 30).

ENTOMOLOGY

MR. MARK H. CREIGHTON attended the Eastern Beekeepers Association meeting and spoke with 75 members at UCONN in Storrs (June 9); gave a presentation on honey bees with an observation hive at the Mt. Laurel Senior Center in Glastonbury (20 adult attendees) (June 12); attended the Connecticut Bee Association Field Day and spoke with 80 members and demonstrated a hive inspection at Lockwood Farm (June 16); and assisted **DR. DOUGLAS W. DINGMAN** with a *Nosema* Microscope Workshop for the Backyard Beekeepers Association at the Station (15 adult attendees) (June 30).

MS. KATHERINE DUGAS attended Trail Day at Camp Laurel in Lebanon., displayed an Asian longhorned beetle/Emerald ash borer exhibit (June 3); and led a staff training session at Camp Laurel in Lebanon about recognizing and reporting Asian longhorned beetle and Emerald ash borer (~50 camp counselors attended) (June 22).

MS. ROSE HISKES gave a lecture on Forest Pests to the arboriculture class at Naugatuck Valley Community College in Waterbury (22 attendees) (May 1); gave a talk on insects to the garden club and biology students at Manson Youth Institute in Cheshire (18 attendees) (May 2); gave a talk on Forest Pests to senior citizens at the East Windsor Senior Center in Broad Brook (22 attendees) (May 10); gave a talk on "Pests of the Garden" to the Heritage Village Garden Club in Southbury (37 attendees) (May 16); gave a brief forest pest talk to Yale school of forestry summer interns who will be working with community groups on tree care in the insect inquiry office (7 students) (May 18); with **KATHERINE DUGAS** and **TERRI ARSENAULT** staffed a scientific observation and forest pest table at the Girl Scout 100th Year Anniversary Jamboree in Durham (May 19); participated in a Forest Pest Project conference call (May 30); gave talks on insects and forest pests to 8 groups of fourth graders at Southington Nature Day in Panthorn Park in Southington (May 31); participated in a Connecticut Invasive Plant Working Group symposium planning committee meeting in Windsor (June 6); organized and led a statewide Cooperative Agricultural Pest Survey (CAPS) meeting in New Haven (15 attendees) (June 8); and participated in USDA APHIS PPQ IPHIS training in Wallingford (June 26).

DR. CHRIS T. MAIER spoke about the trapping and the distribution of the brown marmorated stink bug and the spotted wing drosophila at the spring Twilight Meeting of the Connecticut Pomological Society at Rogers Orchards in Southington (approx. 60 participants) (June 20).

DR. GALE E. RIDGE co-authored an article on bed bugs for *Connecticut Gardener*. She and **DR. KIRBY STAFFORD** published the article "Insect Identification and Inquiries in Connecticut. A State Perspective on the Evolution and Future of an Entomological Service" in the summer edition of *American Entomologist*.

DR. CLAIRE E. RUTLEDGE held a workshop for Wasp Watcher volunteers at White Memorial Conservation Center in Litchfield (13 adults and 3 youths attended) (June 28).

DR. VICTORIA L. SMITH participated in the spring meeting of the CT Cooperative Agricultural Pest Survey (CAPS) Committee, held in Jones Auditorium, with a brief report on survey activities (20 participants) (June 8); organized and participated in a webinar presented by USAP-lants, on a system of record-keeping for public outreach and registration offices, held in the Slate Board Room (12 participants) (June 20); and participated in the spring Twilight



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Meeting of the CT Pomological Society, held at Rogers Orchards in Southington, with a brief presentation on survey activities and pest conditions (approx. 60 participants) (June 20).

DR. KIRBY C. STAFFORD III was interviewed about honey bees and colony collapse disorder by Tracy O'Shaughnessy of the Republican American (June 7); represented CAES at a reception at Jones Family Farms in Shelton (June 7); participated in a meeting of the Cooperative Agricultural Pest Survey (CAPS) committee in New Haven (June 8); participated in a conference call of the National Research Support Project review committee (NRSP-RC) (June 18); participated in a webinar to review the USAPlants software being considered by the Station (June 20); and chaired a conference call of the Multi-State Activities Committee of the Northeast Area Experiment Station Directors to review multi-state project proposals (June 28).

ENVIRONMENTAL SCIENCES

DR. THEODORE ANDREADIS was interviewed about the start of the State Mosquito and Arbovirus Surveillance program for the 2012 season by Marc Sims, Connecticut Radio Network (June 5); was interviewed about the start of the mosquito trapping and testing program and the projected outlook for the 2012 season by Anya Winslow NEWS 12 Norwalk (June 6); was interviewed about mosquitoes and the projected forecast for West Nile virus activity in the state for 2012 by Fran Schneido CBS Radio (June 18); was interviewed about the Stations research and surveillance programs on mosquitoes and mosquito-borne diseases by Jim Buchanan WICC Radio, Fairfield (June 21); was interviewed about the abundance of mosquitoes this spring and its impact on anticipated West Nile virus activity by Dave Collins Associated Press (June 28); and was interviewed for an update on the status of mosquitoes and West Nile virus in the state by Marc Sims, Connecticut Radio Network (June 29).

DR. JOSEPH PIGNATELLO hosted Dr. Gerard Cornellisen, from the Norges Geotekniske Institut, in Oslo, Norway for discussions on collaborative research (June 13); attended and gave three lectures at Eurosoil 2012, held in Bari, Italy, 1.) *Adsorption of weak organic acid anions to black carbon: proton exchange-enabled adsorption and elevation of the pKa on the surface*, 2.) *Effect of biochar properties and weathering on sorption of the swine antibiotic sulfamethazine in biochar-amended soils*, 3.) *Sorption selectivity of neutral organic compounds by soil organic matter probed with nitroxyl paramagnetic NMR relaxation probes* (June 30-July 6).

MR. GREGORY BUGBEE with **MS. JORDAN GIBBONS** spoke at the annual meeting of the Northeast Chapter of the North American Lake Management Society on *Using Geospatial Technology in the Mapping and Control of Invasive Aquatic Plants*" (Approx. 40 attendees) (June 9); and spoke to a group of students from Central Connecticut State University on *Invasive Aquatic Plants in Connecticut* (Approx. 20 attendees) (June 13).

GRANTS:

DR. JOSEPH PIGNATELLO was awarded a 3yr National Science Foundation Grant entitled, *Adsorption of ionic and Ionogenic Compounds by Carbonaceous Materials: pKa Shifts and Novel Interactions at the Surface* (\$326K):

Pyrogenic organic carbon ("black carbon") is found in soils and atmospheric aerosols as a result of fires and fossil fuel combustion, and certain manufactured forms are used for water purification and stabilization of contaminated soil. The adsorptive properties of these materials are often critical to their function. This study addresses two novel interactions of ionic and ionogenic contaminants of emerging concern to charcoal, diesel soot, biochar, activated carbon and carbon nanotubes that have been suggested by the results of preliminary studies: *i*) charge-assisted hydrogen bonding, an especially strong type of hydrogen bond formed between weak acid anions and surface carboxyl or phenoxy groups; and *ii*) pi-pi electron donor-acceptor interactions formed between charged aromatic amines or heterocyclic aromatic amines (the acceptor) with the polycyclic aromatic surface (the donor).



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FORESTRY AND HORTICULTURE

DR. JEFFREY WARD participated in the CT Statewide Vegetation Management Task Force in Middlefield (June 5); administered practical and oral examination to arborist candidates for the Connecticut Tree Protection Examining Board (June 6); spoke on "How to prune trees" at the Manson Youth Institute in Cheshire (9 students, 1 teacher) (June 7); spoke on "The Changing Environment and Trees" at the Connecticut Tree Warden Association spring workshop in New Haven (52 attendees) (June 12); spoke on "Cutting methods study - 30 years of growth and yield" at the Connecticut Chapter - Society of American Foresters summer meeting in Litchfield (42 attendees) (June 13); chaired Technical Standards Committee of the CT Statewide Vegetation Management Task Force (June 14, 18); participated in the 26th Annual Connecticut Urban Forest Conference planning meeting, Middlefield, CT (June 21); and spoke on "Dating vegetation at crime scenes" at the Clandestine Grave Workshop at the University of New Haven in West Haven (14 attendees) (June 25).

DR. ABIGAIL MAYNARD was interviewed by Vicki Mattern Hackman of Mother Earth News magazine about sheet composting and other uses of leaves in the garden (June 8); spoke on the relationship between invasive plant species, blacklegged ticks, and Lyme disease at the Connecticut Chapter - Society of American Foresters summer meeting in Litchfield (42 attendees) (June 13); and participated in the 26th Annual Connecticut Urban Forest Conference planning meeting, Middlefield, CT (June 21).

MR. JOSEPH P. BARSKY attended the Annual Summer Meeting of the Connecticut Chapter-Society of American Foresters in Bantam, CT (June 13).

PLANT PATHOLOGY AND ECOLOGY

DR. SHARON M. DOUGLAS gave a presentation titled "Prevention and management of common diseases in the landscape" to members of the Garden Club of Woodbridge in Woodbridge (45 attendees) (June 5); participated in a meeting of the CTPA Board of Directors at The Farmington Club (12 attendees) (June 5); participated in the Connecticut Tree Protection Examining Board's June meeting and assisted with the oral exam required to become a licensed arborist (June 6); gave a presentation titled "An update on boxwood blight in Connecticut" and participated in the ESA field trip to White Flower Farm, Freund's Farm and Market, and Laurel Brook Farm in Litchfield County (32 attendees) (June 7); participated in the CT Cooperative Agricultural Pest Survey (CAPS) meeting to discuss plans for FY13 held in Jones Auditorium (15 attendees) (June 8); attended the June meeting of the Connecticut Horticultural Society held in Farmington (75 attendees) (June 21); and participated in a conference call with the Boxwood Blight Working Group to discuss research funded by the FY12 Farm Bill (10 attendees) (June 28).

DR. FRANCIS J. FERRANDINO made site visits to scout for winegrape diseases at three vineyards: Jonathan Edwards Winery (North Stonington) (June 29), Maugle-Sierra Vineyard (Ledyard) (June 29), and Saltwater Farm Vineyard (Stonington) (June 29).

MS. MARY K. INMAN gave a talk on "Diseases of Trees" to the Association of CT Tree Wardens in Jones Auditorium (52 adult attendees) (June 12).

DR. YONGHAO LI spoke about plant disease diagnostics to visiting tree wardens touring the Station (15 adult attendees) (June 12); and spoke about plant disease diagnostics to visiting students from Central Connecticut State University (17 adult attendees) (June 13).

DR. ROBERT E. MARRA participated in a Plant Science Day committee meeting in Jones Auditorium (June 11); met with the West Haven Tree Commission to continue work on the street tree inventory (June 12); presented a talk titled, "*Phytophthora ramorum*, the Sudden Oak Death pathogen: A threat to Connecticut's Forests and Landscapes," to the Orchard Valley Garden Club of Southington (41 adult attendees) (June 26); and participated in a conference call as a member of the Boxwood Blight Working Group (June 28).



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GRANT AWARDS AND UPDATES:

DRS. SHARON M. DOUGLAS, JAMES A. LAMONDIA, and ROBERT E. MARRA were awarded Farm Bill 2012 funding of ~\$265,000 for one year. These funds are for research on boxwood blight that addresses early (molecular) detection, fungicide efficacy, disinfectant strategies, and cultural practices.

VALLEY LABORATORY

DR. JOHN AHRENS spoke at a Twilight meeting of the Connecticut Christmas Tree Growers Association at the Yurechko's Tree Farm in Jewett City, CT on the subjects of weeds and conifer species adaptation to varying soil conditions (June 5).

DR. CAROLE CHEAH participated in a conference call on hemlock woolly adelgid biocontrol rearing of predators with Maine Forest Service and University of Southern Maine (May 16); hosted a tour of the Kenneth White Insectary and engaged in collaborative discussion on rearing procedures for HWA predators with Dr. Joseph Staples, University of Southern Maine, (May 29); at the Valley Laboratory; together with Dr. DeWei Li, met with Dr. David Houston, retired US Forest Service, to discuss research collaboration in New Haven (May 23); was interviewed by Grace Williams for the Wilton Bulletin on biological control of mile-a-minute weed during the release of weevils in Wilton (June 14); and met with Land and Water association members at Doolittle Lake, Norfolk to check hemlocks and discuss HWA and elongate hemlock scale management options for hemlocks (June 18).

DR. RICHARD COWLES presented "Insect management" in a walking tour for the CT Christmas Tree Growers' Association, in Griswold, CT (40 attendees) (June 5). He also instructed the NH/VT Christmas Tree Growers' Association on "Insect management," in Deerfield, NH (60 attendees) (June 23). He presented "Spotted wing drosophila management" to the MA Blueberry Growers' Association in Paxton, MA (25 attendees) (June 23).

DR. JAMES LAMONDIA examined candidates for the Connecticut arborist license and participated in the quarterly meeting of the Connecticut Tree Protection Examining Board in New Haven (June 6); and was interviewed by Chris Bickers for the Tobacco Farmer Newsletter (June 7) and by Aroosa Masroor of the CT Mirror about cigar wrapper tobacco culture, and plant pathology research (June 19).

DR. TODD L. MERVOSH spoke about weed management at a twilight meeting of the Conn. Christmas Tree Growers Assoc. in Griswold (45 attendees) (June 5); participated in a symposium planning meeting for the Conn. Invasive Plant Working Group at the Valley Lab (June 6); and presented a talk about management of invasive plants and led an invasive plant walk for middle-school and high-school science teachers in the Institute for Science Instruction and Study (ISIS) program at Southern Connecticut State University in New Haven (8 teachers attended) (June 28).



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JOURNAL ARTICLES APPROVED JUNE 2012

- Douglas, Sharon M.** Some key diseases of conifers. Tree Care Industry Association Magazine
- Elmer, Wade H.** Diseases of asparagus. Chapter in: Diseases of Temperate Horticultural Plants
- Ward, Jeffrey S.** Managing Farm Woodlots. CT Weekly Agricultural Report
- Ward, Jeffrey S, Scott C. Williams, J. E. Worthley.** Comparing effectiveness, costs, and impacts of Japanese barberry (*Berberis thunbergii* DC) control treatments and herbivory reduction on non-native and native plant communities: 4-5 year results. Forest Ecology and Management

ARTICLES OF INTEREST

Gustav A.L. Mehlquist Award Presented to two Station Scientists

The CT Horticultural Society presented the Gustav A.L. Mehlquist Award to **DR. LOUIS A. MAGNARELLI** and **DR. SHARON M. DOUGLAS** on Thursday, June 22nd at their meeting in West Hartford.



Flanked by CHS Awards Chairman Elaine Widmer (left) and CHS President Steve Silk (right), Connecticut Agricultural Experiment Station Director Louis Magnarelli and scientist Sharon Douglas accept on behalf of CAES the society's 2012 Gustav A. L. Mehlquist Award.

Photo and caption credit: http://www.cthort.org/awards_and_recognition/mehlquist-award-2012



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ARTICLES OF INTEREST

Station Scientists Judge Projects at the 2012 New Haven Public Schools Science Fair at Yale University

From May 15-17, at the Yale University Commons, Drs. Douglas Dingman, Sharon Douglas, Robert Marra, and Richard Peterson served as special awards judges for the New Haven Public Schools Science Fair, choosing winners on behalf of CAES. Two awards were granted, the first was *The Connecticut Agricultural Experiment Station Award* (\$100) for the “Best project related to food, plants, insects, or the environment.” They unanimously chose Ms. Jane Hosen’s 2nd grade class from Wexler-Grant School for their project titled “Plants and Worms.” The second award was the *Albert E. Dimond Award of The Connecticut Agricultural Experiment Station* (\$150) for the “Best project demonstrating an innovative approach to discovery in plant science.” The awardee was selected by CAES judges and Ms. Susan Dimond Brown, founder of the award and daughter of Dr. Dimond. The recipient of this award was Emily Lynn, a 6th grader from Ms. Vanessa Clayton’s class at Conte-West Hills School, for her project titled “Don’t Trash your Future-Recycle.”

Dr. Marra presented the CAES award and certificates to students representing their class at the Awards Ceremony on the evening of May 17th, which was held at Battell Chapel of Yale University.





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ARTICLES OF INTEREST

Department of Analytical Chemistry featured in this month's eLEXNET Newsletter

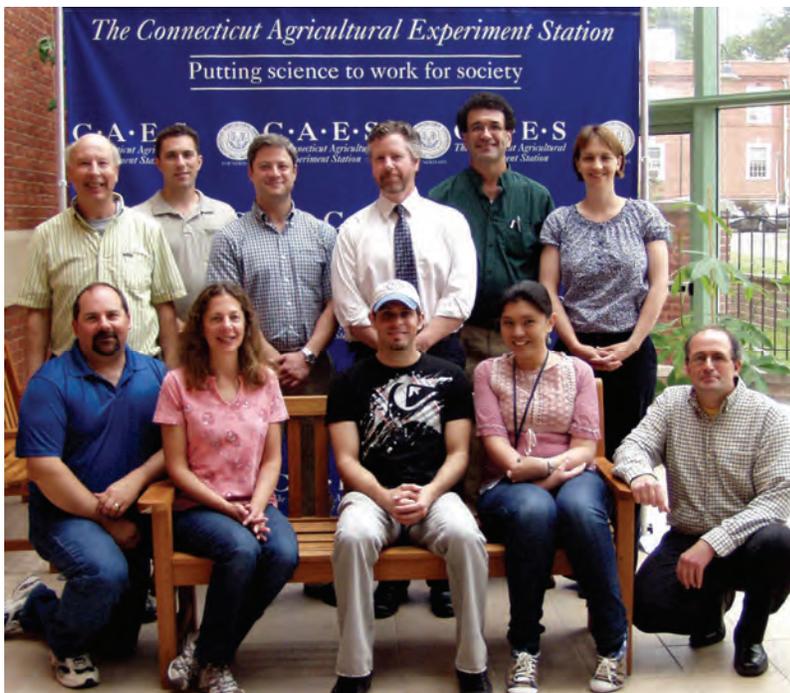
The Connecticut Agricultural Experiment Station (CAES), founded in 1875, is the nation's first Experiment Station to provide chemical analysis for fertilizers and feeds used by farmers in the state. Today, the Department of Analytical Chemistry at CAES has a total staff of 11 scientists and research technicians.

The Department has organized both its service and research activities into two broad categories: Food Safety and Environmental Monitoring. Together, they are the primary analytical chemistry laboratory for other state agencies, providing analysis of pesticide and other organic contaminant residues in both fresh and manufactured foods for the CT Department of Consumer Protection (DCP). The Department also provides analysis of pesticides/PCBs/heavy metals in soils/sediments/water for the CT Department of Energy and Environmental Protection (DEEP), purity/adulteration analysis of liquor and other related products for the DCP Liquor Control Division, the analysis of feeds and fertilizers for label guarantee and accuracy for the CT Department of Agriculture (DoAg). They also work with the CT Department of Public Health, the FBI Weapons of Mass Destruction Coordinator (New Haven, CT), and the 14th Civil Support Team on issues related to chemical terrorism in the state.

The Analytical Chemistry Department is one of the original laboratories funded under the FDA Food Emergency Response Network (FERN) Chemistry Cooperative Agreement Program and has participated in national food safety events, including the analysis of melamine in snack foods, seafood for oil residue contamination from the Deepwater Horizon oil spill and juice products for heavy metal content. Research activities in the Department include the role of pesticides in honeybee decline, the fate and effects of nanomaterials in agricultural crops, and the potential use of plants for the remediation of soils contaminated with persistent organic pollutants.

The
became
in May

CAES
a DX lab
2012.



Front: (left to right) Craig Musante, Terri Arsenault, Roberto De La Torre Roche, Kittipath Prapayotin-Riveros, John Ranciato | Back: Dr. Walter Krol, Joseph Hawthorne, William Berger, Dr. Jason White, Dr. Brian Eitzer, Dr. Christina Robb



DR. JASON WHITE of the Department of Analytical Chemistry was interviewed by eLEXNET on his experience with their data exchange program

eLEXNET: What motivated you to integrate with the eLEXNET Data Exchange (DX) program?

Dr. White: Our laboratory is working both with FDA FERN and other FDA offices (DFSR, DFS) on pursuing ISO accreditation as required under the Food Safety Modernization Act. Establishing an automatic data exchange with FDA through eLEXNET is obviously encouraged as part of these activities but we in CAES also look forward to placing results from our food safety programs in the state into the larger national database.

eLEXNET: How was your overall experience with the DX integration process? Was the support you received from the eLEXNET technical team adequate for development and installation of the software?

Dr. White: The Data Exchange Integration was rather involved as our Quality Manager needed to rebuild our electronic sample login, tracking and logout systems to be compatible with eLEXNET. That being said, the eLEXNET technical team was involved in the process from the beginning, which was helpful both in terms of efficiency and also in terms of designing an accurate and compatible electronic system.

eLEXNET: Can you tell us about some of the benefits of becoming a DX participant from your point of view?

Dr. White: I think having CT data being integrated into a database that really serves the goal of promoting a national food safety system is the primary benefit.

eLEXNET: What information did you have to provide to the eLEXNET technical team to get started? Was the integration process very complex or time consuming for your lab?

Dr. White: We actually provided a copy of the entire data base so that eLEXNET staff could view all aspects of the system and the kinds of samples we receive and process. Our database was not really compatible so our Quality Manager did have to rebuild the system. This did take a fair amount of time and resources but in the end, was worth the investment.

eLEXNET: What type of LIMS are you using? Did eLEXNET help you shape your data capture process into your LIMS? If yes, how?

Dr. White: We use a Microsoft Access Database for sampling log-in, tracking, and log out. Our system was originally configured in a format that was incompatible with eLEXNET. After reviewing our database, the eLEXNET staff gave very detailed instructions on how the system needed to be designed. This was a fair amount of work up front but has actually resulted in some internal improvements (as well as enabling the data exchange process).

eLEXNET: Now that you are integrated how do you feel about the ongoing submission process? Do you get ongoing support from the eLEXNET technical team to continue the process smoothly?

Dr. White: We have actually just completed the process and the data exchange submissions started about one week ago. There are a few issues that remain to be worked out (not all requested fields are showing up in eLEXNET), but these are minor and are in the process of being addressed. Overall, the process was very smooth and we received more than enough support from eLEXNET staff to facilitate the process.

eLEXNET: What type of data do you plan to submit to eLEXNET? How often do you plan to submit data? Do you get proper support from the eLEXNET technical team to continue smooth process?

Dr. White: We will include all data from our food safety surveillance program with CT DCP. This includes about 250-300 samples of fresh and manufactured foods each year. We will also include our consumer complaint samples that are food related and come into the lab through the Consumer Protection Department; this is another 200 samples per year. The database is automatically uploaded to eLEXNET once per week.

eLEXNET: Do you have any improvement suggestions for ELEXNET or the team?

Dr. White: None come to mind. They were as flexible as they could be and were very cognizant of the effort and resources being put in our end.



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eLEXNET: Would you encourage other labs to become eLEXNET DX partners?

Dr. White: Yes, I would encourage other labs to do this. It is a bit of work up front but the end result will be a truly national database the will be of use to all of us in identifying trends and issues.



DR. JASON WHITE,
*Chief Scientist at the Department of Analytical
Chemistry, at CAES.*



DR. WALTER KROL using LC-FLD to analyze seafood samples taken from areas impacted by the 2010 Deepwater Horizon oil spill.



MR. CRAIG MUSANTE preparing beverage samples for heavy metal analysis as part of a FDA FERN assignment.



MS. TERRI ARSENAULT preparing seafood samples as part of a new method validation for a QuEChERS-based extraction and LC-FLD procedure for the analysis of oil residues in seafood as part of the Deepwater Horizon oil spill response.

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Griswold, CT 06351-3627
Phone: 860-376-0365

*Putting Science to work
for Society.*



Entrance to The Connecticut Agricultural Experiment Station in New Haven on Huntington Street



Main Laboratories, New Haven



Lockwood Farm, Hamden



Griswold Research Center, Griswold



Valley Laboratory, Windsor

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