

EXECUTIVE DEAN
OF AGRICULTURE AND NATURAL RESOURCES

January 2011

Spotlight on FCHS Health Summit to Fight Childhood Obesity

The **Department of Family and Community Health Sciences (FCHS)** at Rutgers Cooperative Extension and the **New Jersey Institute for Food, Nutrition, and Health (IFNH)** at Rutgers University sponsored the 11th Children's Health Summit on December 3 at the Cook Campus Center. The daylong conference, "Fighting Back Against Childhood Obesity, Growing Healthy: Making a Difference Through Policy and Environmental Change," emphasized the importance of "starting early" by increasing awareness and understanding of the connection between the environment, policy, and health. The summit provided teachers, dietitians, child care providers, school nurses, health care providers, health educators, food service providers, and parents with strategies regarding healthy eating and physical activity in children and youth.



Kathleen Morgan (chair, FCHS) welcomed the full capacity audience, characterizing the event as a "day of celebration." Morgan reacted to news of the passage of the child nutrition bill by Congress the day before, calling its enactment "a culmination of years of hard work." The legislation, since signed into law, expands the school lunch program and sets new standards to improve the quality of school meals by introducing more fruits and vegetables.

L-R: **Kathleen Morgan**, Jasmine Hall Ratliff of Robert Wood Johnson Foundation, and **Peter Gillies**

Morgan welcomed Executive Dean **Robert M. Goodman**, who congratulated the

organizers of the statewide summit. He reminded them of the relevance of a study by the Rutgers Center for State Health Policy pointing to the prevalence of childhood obesity among children, aged three to 18 years, in five New Jersey cities, including all three host cities of the university's campuses: Camden, Newark, and New Brunswick.



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Peter Gillies (founding director, IFNH) challenged FCHS and its summit partners to hold the next childhood obesity conference at the new institute; plans for a new building to house the institute, headed by Gillies, are underway. In 2008, Rutgers received an initial four-year, \$10 million grant from the Robert Wood Johnson Foundation to establish the institute whose new home will be a four-story, 88,000 square foot building to be constructed on the George H. Cook Campus.



L-R: **Kathleen Morgan**, **Larry Katz**, Margarita Muniz, and **Marilou Rochford** (FCHS educator, Cape May County)

The office of the Mayor of Newark, which launched a *Get Moving!* Newark campaign to promote exercise and healthier lifestyle choices among city residents, was represented by Deputy Mayor Margarita Muniz. Muniz presented a proclamation to FCHS, praising the department’s initiatives like Get Moving–Get Healthy New Jersey and the gathering of “university and partners to develop programs and initiatives to advance healthy futures.”

The program featured several national speakers on the relationship between environment and healthy lifestyle choices. The summit offered a choice of workshops on “Healthful Eating for Young Children: Tools and Tips,” “The Nutritional Sciences Preschool—Our Mission is Nutrition (and Active Play!),” “KidsFit Newark” and “Expanding Breakfast in Schools.”

The summit partners included The Y, ShapingNJ, and the New Jersey Partnership for Healthy Kids.



Gary Graham (at right), executive director of the Y, pictured with an associate at the summit



Summit attendees visit the New Jersey Department of Agriculture display

Spotlights

New YE²S Center Opens in Trenton

A new [Youth Employment and Education Success \(YE²S\) Center](#), modeled on the successful center operated in Newark by Rutgers T.E.E.M. Gateway since 2008, has opened at the Daylight/Twilight High School, an alternative school in Trenton. Mayor Tony Mack announced the opening at a press conference on November 22. The YE²S Center will reconnect out-of-school and court-involved Trenton youth, ages 16 to 21, with opportunities to explore educational options, gain employment training, and participate in a variety of personal and professional skills development. The staff will offer on-site individual case management, educational, and employment placement assistance, family services, computer-based and skill building classes, mentoring, referral monitoring, and follow-up support. The YE²S Center's goal is to re-engage Trenton youth who are on probation or parole, or have dropped out of schools.



As in Newark, Rutgers T.E.E.M. Gateway staff will facilitate the Trenton YE²S Center operations. As part of its core mission to foster education success for long-term societal benefit, Rutgers is invested in seeing the Youth Success Center model continue to thrive so it can be replicated in more of New Jersey's urban areas. The Daylight/Twilight School, which provides daytime and evening intensive education for struggling students, is a natural fit for this alternative outreach program. Current students shared their stories of overcoming adversity.



L-R: Trenton Public Schools' District Representative Kathleen Smallwood-Johnson; T.E.E.M. Gateway's **Kenneth M. Karamichael**; Mercer County Community College Executive Dean of Student Affairs L. Diane Campbell; Trenton Mayor Tony F. Mack; Rutgers University President Richard L. McCormick; Provost of Mercer Community College Monica Weaver; Daylight/Twilight Principal Hope Grant; and Daylight/Twilight student Shantel Johnson at the Trenton YE²S Center opening

"For the sake of Trenton, for the sake of New Jersey, and above all for the sake of the young people themselves, we can't let students drop out of school and fall short of their potential," said President McCormick who was present at the launching. "If they do drop out, we have to reach out to them and bring them back. That's what this program is all about."

Read [coverage in the Times of Trenton](#). Read more [here](#) and view the video of the launch [here](#).

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Spotlight

Rutgers Master Gardener Program Wins Governor's Award

The 2010 Governor's Environmental Excellence Awards honoring individuals, organizations, institutions, communities and businesses that have made significant contributions in protecting New Jersey's environment was held at the New Jersey State Museum on December 15. The winner in the Environmental Education/Student Activity Category was the Rutgers Master Gardener Program. This award, which honors "the educator, student, group of students or class that has planned and implemented a project/program with measurable positive environmental impacts" was presented by Bob Martin, commissioner of the Department of Environmental Protection (NJDEP). "New Jersey residents are the winners through the hard work of these individuals and organizations," Commissioner Martin said. "They have made the State a better place to live. We owe them all a great deal of thanks."



L-R: Former New Jersey Governor James Florio, **Nicholas Polanin**, and NJDEP Commissioner Bob Martin

Accepting the award was **Nicholas Polanin** (statewide coordinator for the Rutgers Master Gardener Program, and agricultural and resource management agent, Somerset County).

Initiated in 1984, The Rutgers Master Gardener program is an educational volunteer training program offered in New Jersey through the efforts and expertise of faculty and staff of Rutgers Cooperative Extension. The program is designed to increase environmental awareness and stewardship through increased availability of University-based horticultural information to local

communities and individuals through trained volunteers known as Rutgers Master Gardeners. These volunteers are well known for their sincere desire to help others and great interest in expanding their working knowledge of gardening, horticulture, and the environment. They are members of the local community who willingly and with dedication use this knowledge to then serve as volunteer environmental educators to fellow residents. This trained volunteer base has greatly expanded the visibility and capacity of Rutgers Cooperative Extension in fulfilling our educational mission through the distribution of horticultural information to individuals and groups all across New Jersey. Active in 18 counties throughout the state, the program has developed and enhanced many community programs related to gardening, horticulture, and environmental well-being. In 2009 alone, approximately 2,400 Master Gardener volunteers gave nearly 158,000 hours in pursuit of horticultural and environmental education efforts all across New Jersey. The annual awards event is sponsored by the NJDEP, the New Jersey Corporation for Advanced Technology, and the State League of Municipalities.

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Spotlight

Blake Hall Remodeling Two-Day Workshop

Sometimes unexpected and important learning opportunities occur when faculty follow the lead of the students. Requesting an active role in the redesign of Blake Hall, the student chapter of the American Society of Landscape Architecture initiated a two-day design charrette on January 8 and 9, coordinated by faculty member **Wolfram Hoefler** (Landscape Architecture).



L-R: **Seiko Goto** (assistant professor, Landscape Architecture, standing); **David Hanrahan** (graduate student), **Kristopher Kemper** (graduate student), **Matthew Pugliese** (sophomore), **Rebecca Thierman** (senior), **Erin Greenwood** (junior), and **Janine St. Jacques** (sophomore)

assigned as the moderator who guided the group discussions but did not to dominate the process; after all, it was a student initiative.

Parts of old and new Blake Hall are in the process of being reorganized. In the long run, the building will be used by students, faculty, and administrative staff of landscape architecture, entomology, human ecology, and marine and costal sciences. The goal of the workshop was to develop spatial concepts for housing the academic community at Blake Hall and consider a collaborative sharing of resources among all users. The concepts were supposed to describe solutions that support studio culture, teaching, research, and administration.

The students in the landscape architecture and landscape industry programs were involved. They were subdivided into nine teams, with each team made up of one faculty member

Increasing connectivity between design studio spaces and creating spaces for social interaction were among the needs defined by the students. All nine concepts responded to the fact that changing digital technologies are constantly impacting the education while traditional competence such as drawing and building of physical models is still important. The developed spatial programs focused on clusters of studio and administrative spaces in landscape architecture as well as the needs of faculty and students of entomology, human ecology, and marine and costal sciences.

The outcomes of this two-day charrette are posted at the temporary wall in the front lobby of Blake Hall and will inform the ongoing planning and decision making process about the future of Blake Hall. In addition, this very intense teamwork across different years and classes tightened the team spirit within the student body and each student was able to play an active role developing the future of our department.

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Faculty and Staff Activities and Accomplishments

Faculty Elected to Prestigious National Science Association

Two faculty members from the School of Environmental and Biological Sciences were among six Rutgers professors recently named Fellows of the [American Association for the Advancement of Science \(AAAS\)](#), a top national science association.



Karl F. Nordstrom (Marine and Coastal Sciences) studies the dynamic processes affecting the size, shape and location of beaches and dunes in ocean, estuarine, and tidal inlet environments. He assesses winds, waves and currents and their effect on coastal sedimentation and landform evolution. He also studies natural hazards, land use, and restoration of naturally-functioning environments in developed municipalities.



Barbara J. Turpin (Environmental Sciences) investigates atmospheric chemical transformations that convert gaseous pollutants into aerosols – tiny particles suspended in the air. These particles are associated with increased heart attacks, reduced visibility and climate change. Her field and laboratory research contributes to strategies for controlling air pollution and protecting public health. [Read more.](#)

Mark Robson (Entomology; dean of Agricultural and Urban Programs) and **Changlu Wang** (Entomology) were recognized at the annual meeting of the New Jersey Chapter of National Association of Housing and Redevelopment Officials.

Michael May (Entomology) was appointed to the Steering Committee for the Migratory Dragonfly Action Plan, resulting from the Migratory Dragonfly Joint Venture Meeting, in Austin, TX, December 7-8. The meeting was sponsored by the U.S. Forest Service International Program and the Xerces Society.



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Student Activities and Accomplishments

Student Designs Featured at St. Croix National Park Review

December 13, the senior Landscape Architecture studio presented its conceptual designs for a national park in St. Croix to representatives of the National Park Service, the Department of the Interior, the University of the Virgin Islands, as well as the University of North Carolina-Wilmington, and the University of South Carolina.



Students are pictured above setting up their work for the St. Croix student review

Student projects included 13 different site plans for the park—a panoply of design ideas and options.

Michael Bayer, from Environmental Resources Management, an environmental consulting firm in Washington, said he “wanted to put the students in a bottle” to preserve their fresh, creative ideas for what will be a long process of approvals and public meetings. Laverne Ragster, president of the University of the Virgin Islands, would like to use the student projects to develop outreach programs for the future park. Rutgers’ **Landscape Architecture Department** works with public clients such as the National Park

Service to develop designs and helps to create community. The students were able to participate in a real project for real clients and showcase their professionalism and creativity.



One of the student designs featured a proposal for a bioluminescent trail with podcast

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Christine Duncan (Graduate Program in Endocrinology and Animal Biosciences) gave an oral presentation at the Society for Integrative and Comparative Biology Annual Meeting, held in Salt Lake City, UT, from January 3-7. The talk was titled "Testosterone Inhibits Hepatic IGF-I Message in *Sceloporus undulatus*, a Female-Larger Species of Lizard." This was supported through a conference travel award from the Rutgers University Graduate School-New Brunswick.

Nettie Liburt (Graduate Program in Endocrinology and Animal Biosciences) presented her research titled "Effects of age and training on the cytokine, myokine and endocrine regulation of glucose metabolism in Standardbred mares" at the annual Equine Science Update at the Cook Campus Center on December 14.

In December, three students in the Graduate Program in Endocrinology and Animal Biosciences presented their dissertation defense seminars.

- **Kristy M. Longpre** (Ph.D. candidate) "Female mate choice in the domesticated goat."
- **Nettie Liburt, M.S.** (Ph.D. candidate) "Effects of age and training on the cytokine, myokine and endocrine regulation of glucose metabolism in Standardbred mares." Liburt is now working as an Equine Specialist/Field Nutritionist for Blue Seal Feeds, Inc., a division of the Kent Nutrition Group.
- **James Baldassari** (M.S. candidate) "Effects of quercetin on exercise potential and exercise-induced cytokines in the horse."

Emily Merewitz (graduate student, Plant Biology) was awarded the Watson Fellowship by the Golf Course Superintendent Association of America. This national fellowship is awarded to a graduate student in turfgrass science, based on academic excellence, peer recommendations, communication skills, commitment to a career as an instructor or scientist, accomplishments in research and education, and potential to contribute significantly to the industry.

Shulaev, V., **Anna Zdepski** (graduate student, Plant Biology) and **Wenqin Wang** (graduate student, Plant Biology). 2010. The genome of woodland strawberry (*Fragaria vesca*). *Nature Genetics*. DOI:10.1038/ng.740.

Grants and Gifts

A complete list of grants received can be found [here](#).

Karl Kjer (Ecology, Evolution, and Natural Resources) and Tatyana Vshivkova (Institute of Biology and Soil Sciences, Vladivostok, Russia) were awarded a two-year, \$41,000 grant to study Trichoptera biodiversity in the Russian Far East. The award resulted from collaboration between the Far Eastern Branch of the Russian Academy of Sciences and CRDF Global (CRDF-FEBRAS), an independent nonprofit organization that promotes international scientific and technical collaboration between the United States and the countries of the Former Soviet Union. Kjer and colleagues will be receiving samples throughout 2011, and then travel to Eastern Russia in 2012 for field work in developing techniques to merge traditional and molecular taxonomy for diversity studies, phylogenetics, and water quality biomonitoring.

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Conferences, Seminars, and Other Events

Sarah Ralston (Animal Sciences) lectured to third year veterinary students at the University of Pennsylvania on "Diagnosis of Nutritional Problems" and "Feeding Clinically Ill Horses" on January 23.

Carey Williams (Animal Sciences) gave an oral presentation titled "*Feeding the Three-Day Event Horse: What the Pros Feed*" at the Maryland Horse World Expo, in Timonium, MD, on January 22. For more information see <http://www.horseworldexpo.com/MDmain.shtml>.

On December 3, **Dan Kurz** (Designer Genes Rutgers Biotech Group) and **Joe Dixon** (Rutgers Center for Lipid Research) co-hosted an exciting seminar featuring Roger Newton of Esperion Therapeutics. Newton presented "The Esperion Story: A story of birth and rebirth in Michigan" at Foran Hall on the George H. Cook Campus. Newton is the co-discoverer of Atorvastatin (Lipitor) and led the research team at Parke Davis in Ann Arbor, MI, that brought Lipitor through the extensive pre-clinical and clinical studies before it came to market. The development of Lipitor, one of the biggest selling drugs of all time, is considered a prime example of modern pharmaceutical development. His company, Esperion, is now developing additional pharmaceuticals that target lipids and is one of the bright lights of small business development in the Detroit area.



Roger Newton

The Rutgers Equine Science Center (ESC) named Peter J. Cofrancesco, III, the 2011 recipient of the Center's annual "Spirit of the Horse" award. Cofrancesco received the award during the New Jersey Department of Agriculture's 54th annual New Jersey Breeder's Award ceremony on January 30. Sandy Denarski, the 2006 inaugural recipient and chair of the Rutgers University Board for Equine Advancement, and ESC Director **Karyn Malinowski** presented the award.

Michael May (Entomology) was invited to present "Continental scale migration by the common green darner dragonfly" at the Systematics, Evolution, and Biodiversity Section (SysEB) symposium of the Entomological Society of America (ESA) national meeting titled "Across systems and biomes: Ecology and evolution of insects in aquatic habitats."

Benjamin, F. and **R. Winfree** (Entomology). 2010. "Pollination services from native bees: Does scale matter?" at the Entomological Society of America (ESA) national meeting.

Bohonak, A.J., **D. Fonseca**, (Entomology), and W.E. Walton. 2010. "Widely separated populations of *Culex erythrothorax* (Culicidae) are not genetically differentiated" at the ESA national meeting.

Fonseca, D. (Entomology) and E. Cameron. 2010. "Transfer of genetic material across hybrid zones in the *Culex pipiens* complex" at the ESA national meeting.

Egzi, A.M. and **D. Fonseca** (Entomology). 2010. "Rapid assay for blood meal identification in *Aedes albopictus*, the Asian tiger mosquito" at the ESA national meeting



Hamilton, G. 2010. "Using Mother Nature to predict hatches of aquatic insects" at the Entomological Society of America national meeting.

McGraw, B., **C. Rodriguez-Saona** (Entomology), R. Holdcraft, and **A. Koppenhöfer** (Entomology). 2010. "Behavioral and electrophysiological responses of the annual bluegrass weevil to turfgrass volatiles" at the ESA national meeting.

Polk, D., **C. Rodriguez-Saona** (Entomology), F. Zaman, **P. Oudemans** (Plant Biology and Pathology), and M. Hughes. 2010. "The impact of spatial IPM on pesticide inputs in New Jersey blueberry production" at the ESA national meeting.

Rodriguez-Saona (Entomology), C. R. Mussera, and J. Thaler. 2010. "From genes to organisms: Investigating induced plant responses to multiple herbivores" at the ESA national meeting.

Winfree, R. 2010. "How do pollinator communities disassemble?" at the ESA national meeting.

Winfree, R. 2010. "Ecosystem services delivered by wild *Bombus*" at the International Union for the Conservation of Nature North American Bumble Bee Conservation Workshop, St Louis, MO.

Peter Rona (Marine and Coastal Sciences) reported new research results on spectacular acoustic images of hydrothermal flow at the NEPTUNE Canada seafloor observatory and discovery of active methane vents in Hudson Canyon and cultivated research ties with NOAA and the Rosenstiel School of Marine and Atmospheric Sciences in an invited seminar at NOAA's Atlantic Oceanographic and Meteorological Labs in Miami, FL, on January 11. In addition, the new AGU Geophysical Monograph, *Diversity of Hydrothermal Systems on Slow Spreading Ocean Ridges*, was formally released at the AGU Fall Meeting held from December 13-17.

Nurgul Fitzgerald (Nutritional Sciences) gave an invited webinar titled "Good Reviewing Practices" for the peer reviewers of the *Journal of Nutrition Education and Behavior* on December 10. The webinar is available at <http://www.jneb.org/>. In addition, she gave an invited talk summarizing the findings from the New Brunswick Community Survey "Food insecurity and barriers to fruit and vegetable intake in New Brunswick" at the Learn Grow Share Community Forum on December 11. The forum was titled "Building a stronger food, nutrition, and wellness partnership in New Brunswick."

Nurgul Fitzgerald (Nutritional Sciences) and **Kathleen Morgan** (Family and Community Health Sciences) delivered an invited workshop titled "Cooking and creating on a budget" at the Learn Grow Share Community Forum on December 11.

Peter Gillies (Nutritional Sciences; founding director, New Jersey Institute for Food, Nutrition, and Health) was invited to UMDNJ-Robert Wood Johnson Medical School to give Grand Rounds at the Department of Medicine's weekly session on January 12. The audience included third year medical students, residents in medicine, and faculty. Gillies' talk was titled "Clinical evaluation of Eicosapentaenoic Acid: Novel effects on lipoprotein metabolism and biomarkers of vascular specific inflammation."



Ariel Igal (Nutritional Sciences) gave an invited lecture titled "A novel role for StearoylCoA desaturase-1 in the coordinated regulation of lipid metabolism and signaling in cancer" at the New York Lipid and Vascular Biology Research Club, Rockefeller University, NY, on December 14.

Sue Shapses (Nutritional Sciences) gave a lecture titled "Obesity and bones: Why higher protein intake attenuates bone loss and the vitamin D controversy" at the Obesity Research Center, Department of Medicine, St. Lukes-Roosevelt Hospital, Columbia University, NY, on December 17.

Amy Boyajian and **Sara Mellor** (program associates, Water Resources Program) led a demonstration rain garden planting and educational program on November 12 at the Timber Creek High School, Blackwood, NJ. The rain garden planting was attended by approximately 175 high school students and teachers and was coordinated by the Rutgers Cooperative Extension Water Resources Program, Camden County Soil Conservation District, and the South Jersey Land and Water Trust. This educational program was funded by a grant received from the National Fish and Wildlife Foundation.

Amy Boyajian and **Caitrin Higgins** (program associates, Water Resources Program) presented "Rain Garden Training for Landscapers" for landscapers, gardeners, engineers, and homeowners at the Classical Magnet School, Hartford, CT, on November 4. In addition, the Water Resources Program assisted with a rain garden installation at the Classical Magnet School in Hartford, Connecticut on November 5. This rain garden educational program was coordinated by the University of Connecticut Cooperative Extension and NEMO Program, the US EPA Region 1 – New England, the Connecticut Department of Environmental Protection, the City of Hartford, the Park River Watershed Association, and the Rutgers Cooperative Extension Water Resources Program.

Sandra Goodrow (senior program coordinator, Water Resources Program) presented "Stormwater Infrastructure and Potential Climate Change Implications" at the 2010 Annual Water Resources Conference sponsored by the American Water Resources Association in Philadelphia, PA, on November 2. Goodrow also served as moderator of the session titled "Effects of Floods."

Christopher Obropta and **Jeremiah Bergstrom** (Water Resources Program) presented the following invited seminars:

- Green Infrastructure: Projects and Programs for Green Teams and Environmental Commissions at the Sussex County Administrative Center, Newton, NJ, on November 8.
- Sustainability Workshop titled "Water Resources Solutions for New Jersey's Sustainable Communities" at the Rutgers EcoComplex, Bordentown, NJ, on November 30. On December 6, they presented the same workshop to the Geraldine R. Dodge Foundation in Moorestown, NJ.

Publications and Editorships

Steven Handel (Ecology, Evolution, and Natural Resources) has been named the new editor-in-chief of the journal *Ecological Restoration*, a quarterly published by the University of Wisconsin Press, starting January, 2011. The new editorial office is in the Plant Physiology building, 1 College Farm Road, on the George H. Cook Campus.



Lena Struwe (Ecology, Evolution, and Natural Resources) has started a 3-year term as associate editor for the journal *TAXON*, published by the International Association for Plant Taxonomists.

Michael May (Entomology) was appointed editor of the *International Journal of Odonatology*.

Golinski, A. (Animal Sciences), **H. John-Alder** (Ecology, Evolution, and Natural Resources), L. Kratochvil. 2011. Male sexual behavior does not require elevated testosterone in a lizard (*Coleonyx elegans*, Eublepharidae). *Hormones and Behavior*, 59:144-150.

Ralston, Sarah L. (Animal Sciences). 2011. "Mare Nutrition." In *Blackwell's Five-Minute Veterinary Consult Clinical Companion: Equine Theriogenology Companion*, 366-369. Tokyo:Wiley-Blackwell.

Ralston, S.L. (Animal Sciences). 2011. "Stallion Nutrition." 2011. In *Blackwell's Five-Minute Veterinary Consult Clinical Companion: Equine Theriogenology Companion*, 700-703. Tokyo:Wiley-Blackwell.

Ralston, S.L. (Animal Sciences). 2011. "Foal nutrition." In *Blackwell's Five-minute Veterinary Consult Clinical Companion: Equine Theriogenology Companion*, 964-970. Tokyo:Wiley-Blackwell.

Keifer, M., F. Gasperini and **M. Robson** (Entomology). 2010. Pesticides and other chemicals: Minimizing worker exposures. *J. Agromedicine*, 15: 264-274.

Menz, M.H, R.D. Phillips, **R. Winfree** (Entomology), C. Kremen, M.A. Aizen, S. D. Johnson, and K.W. Dixon. 2011. Reconnecting plants and pollinators: Challenges in the ecological restoration of pollination mutualisms. *Trends in Plant Science*. In press.

Ollerton, J., **R. Winfree** (Entomology), and S. Tarrant. How many flowering plants are pollinated by animals? *Oikos*. In press.

Williams, N.M., **D. Cariveau**, **R. Winfree** (Entomology), and C. Kremen. Bees in disturbed habitats use, but do not prefer, alien plants. *Basic and Applied Ecology*. In press.

Bard, K., Brent, L., Lester, B., **Worobey, J.** (Nutritional Sciences), and Suomi, S. 2011. Neurobehavioral integrity of chimpanzee newborns: Comparisons across groups and across species reveal gene-environment interaction effects. *Infant and Child Development*, 20: 47-93.

Boyce, J., Assa'ad, A., Burks, A., Jones, S., Sampson, H., Wood, R., Plaut, M., Cooper, S., Fenton, M., Arshad, S., Bahna, S., Beck, L., **Byrd-Bredbenner, C.** (Nutritional Sciences), et al. 2010. Guidelines for the diagnosis and management of food allergy in the United States: Report of the NIAID-sponsored expert panel. *Journal of Allergy & Clinical Immunology* 126(6):1105-18; full report: 126(6 Suppl):S1-58.

Campagnolo, P., **Hoffman, D.** (Nutritional Sciences), and Vitolo, M. 2010. Waist-to-height ratio as a screening tool for children with risk factors for cardiovascular disease. *Annals of Human Biology*, 1-6.

Corda, K. (Nutritional Sciences), **Quick, V.** (Nutritional Sciences), **Schefske, S.** (Nutritional Sciences), DeCandia, J., and **Byrd-Bredbenner, C.** (Nutritional Sciences). 2010. Toward a polytheoretical framework for health behavior. *American Journal of Health Studies*, 25:211-230.

Sukumar, D. (Nutritional Sciences), Ambia-Sobhan H., Zurfluh R., Schluskel Y., Stahl T., Gordon C., **Shapses S.** (Nutritional Sciences). 2010. Areal and volumetric bone mineral density and geometry at two levels of protein intake during caloric restriction: A randomized controlled trial. *J Bone Mineral Res*, Dec 16. Epub ahead of print.

Vitolo, M., Rauber, F., Campagnolo, P., Feldens, C., and **Hoffman, D.** (Nutritional Sciences). 2010. Maternal dietary counseling in the first year of life is associated with a higher healthy eating index in childhood. *J. Nutr.*, 140: 2002-2007.

Frenkel, Chaim (Plant Biology and Pathology), Arvind S. Ranadive, Javier Tochihuitl Vázquez, **Daphna Havkin-Frenkel** (Plant Biology and Pathology). 2010. "Curing of Vanilla." In *Handbook of Vanilla Science and Technology*, edited by **Daphna Havkin-Frenkel** and **Faith Belanger** (Plant Biology and Pathology) Wiley-Blackwell.

International Projects

Ray-yu Yang of the World Vegetable Center Visits the School

Ray-yu Yang, who leads the Nutrition Research Group at the Asian Vegetable Research and Development Center (AVRDC-The World Vegetable Center), in Taiwan, visited the **School of Environmental and Biological Sciences** last November 13-17. The purpose of her visit was to meet faculty and students and to hold discussions regarding the Agriculture, Education and Research Opportunities in Asia (AERO-Asia) initiative. Her visit, which followed the visit of AVRDC Director General Dyno Keatinge last October, was sponsored jointly by the school's Office of International Programs, which is the official funder of the AERO-Asia initiative, AVRDC, and the USDA NIFA-supported International Science and Education program. **Michael Lawton** and **Albert Ayeni** (Plant Biology and Pathology), who are co-directors of the AERO-Asia initiative, hosted Yang during her visit. The highlights of Yang's visit included:

- November 15, Yang presented a seminar on "Indigenous Vegetables in Tropical Africa and Asia for Nutrition Security, Food Diversity and Value Addition." Approximately 40 members of the Rutgers' community were in attendance, including faculty, students, and staff.
- November 16, Yang gave a lecture on "Nutritional properties of Asian vegetables" in the International Agriculture: New Crops and New Uses class. Her lecture was comprehensive and helped to enrich the students' understanding of the ramifications of Asian vegetables in food, nutrition, and health around the world. On behalf of AVRDC, Yang donated a copy of the center's 319-page book, "*Discovering Indigenous Treasures: Promising Indigenous Vegetables from Around the World*," to each of the six students in the class.
- Yang conducted several meetings with faculty on November 15-16 to explore opportunities for research, education, and outreach collaborations between AVRDC and various departments in the School. These included meetings with Food Science,



including **Mukund Karwe** (chair), and faculty members **Tung-Ching Lee** and **Chi-Tang Ho**; Plant Biology and Pathology with **James Simon** (director, New Use Agriculture and Natural Plant Products Program-NUANPP), the NUANPP research team, and faculty member **Rong Di**; Nutritional Sciences with **Dan Hoffman** (chair), **Sue Shapses** (director, New Jersey Obesity Group), **Debra Palmer** (director, New Jersey Food Stamp Nutrition Education Program), **Peter Gillies** (founding director, Institute for Food, Nutrition and Health), **Peggy Policastro** (nutrition specialist and director, Healthy Dining Team); **Margaret Brennan-Tonetta** (director of economic growth and development, New Jersey Agricultural Experiment Station; associate vice president for economic development, Office of the Vice President for Research and Graduate and Professional Education; and executive director, Food Innovation Center); and the International Programs Office with **Lily Young** (dean, International Programs) and **Monica Emery** (program coordinator).



Photos show Ray-yu Yang at various events during her visit to Rutgers: (A) Seminar presentation to School faculty, students, and staff; (B) Lecture in the International Agriculture: New Crops and New Uses class; (C) Donation of AVRDC's book to student **David Wallace** (Environmental Policy, Institutions, and Behavior); and (D) AVRDC's book presentation to **Peter Gillies**