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RUTGERS

New Jersey Agricultural Experiment Station

EXPERIMENT

New Jersey Agricultural Experiment Station (NJAES) Annual Report Re-Design.







To enhance the vitality, health, sustainability, and overall quality of life in New Jersey by developing delivering practical, effective solutions to current and emerging challenges relating to agriculture, fisherie natural resources; the environment; public health; as well as economic, community and youth developme

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around new revenue streams for agriculture, equine management, alternative energy sources, land and resource conservation, and continual improvements

njaes.rutgers.edu/ag

# MEETING GROWER PEST MANAGEMENT NEEDS

## BREEDING BETTER BERRIES



# New Jersey Agricultural Experiment Station (NJAES) Annual Report Re-Design (continued).



# Commercial Agriculture

Forming in a densely populated, highly regulated, high land-value state like New Jersey requires a resourcefulness that characterizes our tradition of mostly small, independent family farms whose yields rank high in productivity and profitability. The breadth and scope of its research and outreach ensure that the Rutgers New Jersey Agricultural Experiment Station plays a key role in preserving agriculture for future generations. Its county-based extension agents form the first line of response in areas like invasive species, integrated pest management, and wildlife damage control. NJAES is at the center of meaningful discussions around new revenue streams for agriculture, equine management, laternative energy sources, land and resource conservation, and continual improvements to food safety and biosecurity, NJAES focuses its resources in commercial agriculture to meet the needs of a new generation of farmers and business operators and a more engaged consumer.

njaes.rutgers.edu/ag

### MEETING GROWER PEST MANAGEMENT NEEDS

In 1963, the IR-4 Project was established by the directors of the state agricultural experiment stations and the ISAD to assist gowers of furth, segetables, herbs, and other specialty crops with their critical pest management needs. In 2013, the IR-4 project collectured 50 years at Inless. The research performed by IR-4 scientishs has tollated more than 30,000 registrations of conventional pestations and beopeticides for tool and normaned crops. The majority of these registrations were approved by the 15.5 enrormmental Protection, Agency or the less to livens, with most desided as a performance of the performance

### RREEDING RETTER REPRIES

NASES has made significant investment in heigh and has proved reduced better statements and ordered has large and heading by the following the following the produced better statements and ordered has large and heading by Parkesor finentias. Gajlo lefeshavic left to new selections of strandereits with unique characteristics, and Bill Hubbls on 10 New Jersey larms, including two organic farms. Hubbls and Nitrache also stated to nerpicated research thails in New Jersey and developed cooperathe research partnerships with North Carolina State University, the University of Rayland, and The Hoth State University, Sessenth and farm traise and celenthying conditions. The goal is is help opposed markets for commercial strateberry growers and provide new, improved choocis for commercial strateberry growers and provide new, improved choocis for commercial strateberry growers and provide new improved choocis for commercial strateberry growers and the strategies of the strategies of

NEW JERSEY AGR CULTURAL EXPER MENT STATION 20 3



## Did you know?

Gardener program was established in 1984, with over 8,000 residents trained since then.

## Home, Lawn, and Garden

## VOLUNTEERING WITH RUTGERS MASTER GARDENERS

An integral part of the Rutgers Master Gardener program is the volunteer component. All aroos the state, making inspirates are helping to "green" their communities. In Heunest, Branch Brook Inst. is home to the largest collection of flowering cherry trees in the country. In 2013 alone, Rungers Master Cardeners from Exec Country understook a significant part in the runging of 2010 of the pint's 4,500 trees, continuing more than 2000 hours of volunteer bloot. Until the master guenteers developed a pruning learn, the trees in the park had not been well martinated, but since March 2017, done to 1,800 trees in total have been pruned from the adjustment of the state of the state of the state of the largest Master Gardeners of Exec Country have also notationed bloom beat a Clements, that from them note microser through the Runger Master Gardeners of Exec Country have also not tended bloom beat a Clements, the former through the state of the state

njaes.rutgers.edu/garden

## YOUTH HYDROPONICS PROGRAM

School gardens are fun and educational, but an present pest and other profess that shool personnel are not equipped to handle: "Cowing pest and other profess that shool personnel are not equipped to handle: "Cowing with Water" is a hydropoxic program developed to maximize the benefits and minimize the challenges that shool guidens puse the educations. In the end the goals of the project were to batch students to use a hydropoxics system is grow healthy foods as a work of the control of the contro

NEW JERSEY AGR CULTURAL EXPER MENT STATION





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# Office Of Communications

Portfolio of Work



School of Environmental and Biological Sciences (SEBS) 'Making a Difference' Brochure Concept.

Jersey Roots, Global Reach



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- 6 WITH OUR FACULTY

- 24 AT THE OFFICE OF ACADEMIC PROC



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# Robert M. Goodman



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School of Environmental and Biological Sciences (SEBS) 'Making a Difference' Brochure Concept (continued).





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Office of Academic Programs



sebs.rutgers.ed

NJAES 'Making a Difference' Program Ad Concept.



**IMP** 

INTEGRATED PEST MANAGEMENT PROGRAMS

IPM takes the guesswork out of controlling pests. It is a collection of pest management techniques that help growers fend off pest damage without having to spray pesticides on a calendar schedule. Instead, a number of methods are put into play: insect and disease pressure are carefully monitored to determine if and when sprays are necessary; targeting the life cycle of a pest at its most susceptible stage; disrupting it's mating cycle; disease forecasting systems provide weather-based information for determining the timing of fungicide applications to control certain diseases; planting disease resistant plant varieties; and using the least harmful pesticides so as not to harm beneficial insects.

**Cooperative Extension** 

RUTGERS

New Jersey Agricultural Experiment Station

pestmanagement.rutgers.edu

SEBS Faculty 'Making a Difference' Ad Concept.



# Laura Lawson

LANDSCAPE ARCHITECTURE

My teaching is inspired by a belief that landscape architects can make the world a better place by infusing good design with environmental quality and social justice. My contribution to the landscape architecture curriculum is a social perspective that raises considerations of equity, user needs, environmental stewardship, and community empowerment. I seek to challenge students to realize the connections between the built environment and people's ability to meet their daily needs as well as their fullest potential. As a design studio instructor, I incorporate this teaching philosophy through four approaches: place-based design, community engagement, multiculturalism, and interdisciplinary connection.

Jersey Roots, Global Reach

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School of Environmental

and Biological Sciences

landarch.rutgers.edu

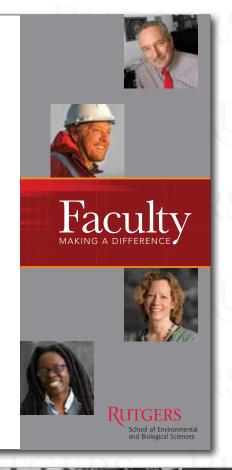
SEBS Faculty 'Making a Difference' Tri-Fold Concept.



Naa Oyo Kwate

My teaching is inspired by a belief that landscape architects can make the world a better place by in fusing good design with environmental quality and social justice. My contribution to the landscape architecture curriculum is a social perspective that raises considerations of equity, user needs, environmental stewardship, and community empowerment. I seek to challenge students to realize the connections between the built environment and people's ability to meet their daily needs as well as their fullest potential.

humanecology.rutgers.edu





# Oscar Schofield

MARINE AND COASTAL SCIENCES

My teaching is inspired by a belief that landscape architects can make the world a better place by in fusing good design with environmental quality and social justice. My contribution to the landscape architecture curriculum is a social perspective that raises considerations of equity, user needs, environmental stewardship, and community empowerment. I seek to challenge students to realize the connections between the built environment and people's ability to meet their daily needs as well as their fullest potential.

# Peter Guarnaccia

HUMAN ECOLOGY

My teaching is inspired by a belief that landscape architects can make the world a better place by in fusing good design with environmental quality and social justice. My contribution to the landscape architecture curriculum is a social perspective that raises considerations of equity, user needs, environmental stewardship, and community empowerment. I seek to challenge students to realize the connections between the built environment and people's ability to meet their daily needs as well as their fullest potential.

# Laura Lawson LANDSCAPE ARCHITECTURE

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NJAES Cooperative Extension 'Making a Difference' Pull-Up Banner Concept.



**COOPERATIVE EXTENSION** 



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NJAES Cooperative Extension and SEBS 'Making a Difference' Table Top Banner Concepts.





NJAES Cooperative Extension and SEBS 'Making a Difference' Bumper Magnet Concepts.

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**FOR OVER A 100 YEARS** 



New Jersey Agricultural Experiment Station

**COOPERATIVE EXTENSION** 

# Making a Difference

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School of Environmenta and Biological Sciences

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NJAES and SEBS 'Making a Difference' Ad.

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SCHOOL OF ENVIRONMENTAL AND BIOLOGICAL SCIENCES sebs.rutgers.edu

TEEM Gateway, 'Making a Difference' Ad.

# RUTGERS Making a Difference Since 1864

# CHANGING LIVES IN NEW JERSEY









Jersey Roots, Global Reach

teemgateway.rutgers.edu sebs.rutgers.edu



rce.rutgers.edu njaes.rutgers.edu School of Engineering Ad Concept.



# WE MAKE THINGS HAPPEN

Today's engineers are out front communicating ideas and envisioning projects and solutions that make the world a better place to live.

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Find out more at soe.rutgers.edu

New Jersey Institute for Food, Nutrition, and Health

IFNH Information Sheet.

# **Nutritional Metabolomics Core Facility**

The Nutritional Metabolomics Core Facility is part of the Rutgers Center for Lipid Research at the New Jersey Institute for Food, Nutrition, and Health. It was established to provide researchers with data on the identities and amounts of small molecules in biological samples.

The facility specializes in the analysis of lipids, including phospholipids, cholesterol and cholesteryl esters, acyl coAs, endocannabinoids, and mono-, di-, and triacylglycerols. Often, data for multiple lipid classes can be obtained from a single sample injection. We plan to increase our offerings to include other metabolite classes as we expand into a full-fledged metabolomics laboratory.

Our services are available on a fee-for-service basis to researchers both inside and outside Rutgers. Preference is given to those undertaking studies related to the Institute's main objectives: obesity, especially in children, and related conditions such as diabetes, metabolic syndrome, cancer, and cardiovascular disease. However, we will also consider other projects as time permits.

The facility is equipped with an AB SCIEX 4000QTrap triple quadrupole-linear ion trap mass spectrometer interfaced with a Dionex UltiMate 3000 liquid chromatograph. This system has the flexibility to do many types of analyses, and as a triple quadrupole instrument is well suited for quantitative work. Additional instruments will be acquired as the core facility expands its capacity and moves into the Institute's new building in 2015.

For more information, please contact:

Anita Brinker, Ph.D., Manager 848-932-3648 brinker@IFNH.rutgers.edu











Rutgers Climate Institute, 'State of Climate: New Jersey 2013' Report.



implications for the future of New Jersey. The changes that we are experiencing in New Jersey will be examined in the context of human-induced climate change, an important driver of recent and future climate trends.

Because the climate of any locality is influenced by global patterns and trends, the report begins with a discussion of the state of the climate on a global scale. This is followed by an analysis of local climate trends and recent extreme or unusual events and their impacts. Hurricane Sandy is the most noteworthy of these events, with estimated damages of approximately \$50 billion in the region. The implications of future climate change for high-impact events such as Sandy will also be discussed. Much of the concern about future climate change involves its consequences for people, ecosys tems, and the natural and built environments. Sidebars in this report discuss selected impacts of climate change on New Jersey's residents and resources.

References and links are provided to direct the reader toward further information about global and local climate trends.



# GLOBAL CLIMATE

Gases present in the atmosphere that have the ability to absorb and emit infrared radiation are called greenhouse gases. Greenhouse gases keep the earth's surface warmer than it would be otherwise by making it harder for the heat energy the earth are the highest in the past 800.000 years. receives from the sun to escape to outer space. Human activities have raised the beyond natural levels. The primary greenindicate that 2012 was the eighth or ninth house gas that humans contribute is carbon warmest year based on records dating back dioxide (CO<sub>2</sub>), which enters the atmosphere through the burning of fossil fuels and deforestation. Other important greenhouse gases emitted by human activity are nitrous oxide, methane, and chlorofluorocarbons (CFCs).

Measurements of atmospheric concentrations of greenhouse gases are made by the National Oceanic and Atmospheric Administration's (NOAA) Earth System Research Laboratory esrl.noaa.gov/gmd.
The atmospheric concentration of CO<sub>3</sub>, the greenhouse gas with the largest effect on climate, has been measured continuously since 1958 at Mauna Loa in Hawaii. These measurements show increases in concen-trations of CO<sub>2</sub> each year with an acceleration in growth rate over the course of the time series (Figure 1). At the time of this writing, 12-month average concentrations of  $CO_2$ reached a value of 397 parts per million

(ppm), having increased from 315 ppm wher direct measurements began in 1958. To put that value in perspective, the analysis of the composition of ancient air bubbles preserved in ice cores indicates that CO<sub>2</sub> concentrations in the 18th century prior to industrialization were between 270 and 280 ppm. Longer ice core are the highest in the past 800,000 years.

is used. In all four compilations, 2012 was 0.25-0.3 °F above the average for the period 1981-2010 (16). Global temperatures have risen approximately 1.5 °F since the late 19th century. In its 2013 report, the Inter-governmental Panel on Climate Change (IPCC) concluded that it is extremely likely (i.e., greater than a 95% probability) that more than half of the warming in the second half of the 20th and early 21st centuries was caused by increasing greenhouse gas concentrations (3). This long-term trend is expected to continue or accelerate throughout the coming decades as greenhouse gas concentrations are projected to increase. Year-to-year variations in global temperature

that occur within the long-term warming

Long-term monitoring: Sampling for larv fish in Great Bay, New Jerse trend are primarily a result of natural climate variability

The most influential source of such variability is the El Nino Southern Oscillation (ENSO) phenomenon, which relates to the temperature of the tropical Pacific Ocean, ENSO can be in a warm phase ("El Niño"), a cold phase ("La Niña") or neutral.

Warm events are associated with warmer global temperatures and cold events with colder global temperatures due to the breadth of global ocean area that ENSO affects. After beginning 2012 in its cold phase, ENSO transitioned to an incipient warm phase in the middle of the year before returning to a relatively neutral state. Consistent with these variations, global temperature in 2012 was slightly higher than in 2011, when La Niña conditions prevailed, but not as warm as 2010 when ENSO

## Arctic and Antarctic Sea Ice:

Arctic sea ice extent has declined over the period of modern satellite observations, which dates back to 1979. Each year the areal extent of Arctic sea ice reaches a maximum in March and a minimum in September. In September 2012, Arctic sea ice reached its lowest extent during the satellite record, covering an area of about 1.3 million square miles (sq. mi.) on the 16th. This broke the previous record of just over 1.6 million sq. mi. set in 2007 and was almost 50% lower than the average minimum sea ice extent for the period 1979-2000 (10). Sea ice recovered somewhat in 2013, with a minimum extent of 2.0 million sq. mi. on September 13. This was the sixth lowest on record and well below



into the Gulf of Maine. Particularly whether these will be permanent shifts

of juveniles may result from their inability to successfully overwinter on the East Coast due to low temperature, predation, or food scarcity in their first writer. Rutgers Professor Kenneth Able suggests Atlantic croaker population dynamics in which winter temperature, influenced by climate forcing, control recruitment to the fishery and subse-quent providition fluctuations may be



running average. [NOAA Earth System Research Laboratory]

# Rutgers Climate Institute, 'State of Climate: New Jersey 2013' Report (continued).



Many meteorological factors influence the year-to-year fluctuations in Arctic sea ice extent (such as wind direction and strength); however the overall trend in the annual mean Arctic sea ice extent has been downward, with a rate of 185,000 sq. mi. per decade during the period 1979-2012 (3). The thickness and age of Arctic sea ice has also been changing with an increasing tendency towards young and thin ice. Older ice (i.e., four years old or greater) has decreased from 26% of the ice in 1988 to 7% in 2012 (10). In the Antarctic, sea ice extent has been above average, with record high values in the past two years. The upward trend in annual mean Antarctic sea ice extent has been 64,000 sq. mi. per decade which is only about one-third as large as the Arctic trend (3).

a cooling effect on the planet. The melting of sea ice will expose less-reflective ocean waters that can absorb more solar energy and store it as heat rather than reflect the energy directly back to space. As a result, this will lead to further warming, allowing the decline in sea ice extent to have significant impacts on the climate of the entire planet.

Data compiled at the Rutgers University snow Lab <u>climate.rutgers.edu/</u> ver indicates that annual average

mi. in 2012, which is below the 43-year average and the 12th least extensive snow cover on record. Annual mean snow cover has declined since observations began in the late 1960s, but the decrease has been especially rapid in the spring and summer months. Every month from April through August 2012 reported snow cover that was among the four lowest values for that calendar month, with June and July reporting all-time low values.

## NEW JERSEY CLIMATE

niclimate.org, located at Rutgers University, serves as the State's primary resource for statewide weather and climate data. New Jersey climate data are also archived at NOAA's National Climatic Data Center ncdc.noaa.gov.

The statewide average temperature in 2012 was the highest in 118 years of records.
The 56.0 °F average for 2012 is 2.8 °F above the 1981-2010 mean. Nine of the ten warmest calendar years on record have occurred since 1990 and the five warmest years have occurred since 1998, consistent with the long-term upward trend of 2.2 °F per century (Figure 2). Abnormal warmth was common through much of the year, with only one month (November) recording tempera tures below the 1981-2010 average. The year

2012 featured the warmest spring (March, April and May) on record and the sixth-warmest summer (June, July and August) on record. Unusual summertime warmth has been noteworthy in recent years, with six of the ten warmest summers on record occurring since 2005. So far in 2013, temperatures have been slightly above the 1981-2010 average, but not as warm as 2012.

The past 25 years have been characterized by many more unusually warm months in New Jersey than unusually cold months. If unusually warm and cold months are defined as the five warmest and coldest, respectively, for each calendar month, the period from 1988-2012 included 32 unusually warm months and only 5 unusually cold months.

The disparity has been even greater since 2000, as unusually warm months have outnumbered unusually cold months by 25 to 2. The trend toward higher temperatures is expected to continue in the decades to come as greenhouse gas concentrations continue to increase. Rising temperatures are expected to occur in all seasons, but the trend is likely to be more noticeable in summer when year-to-year variability is smaller. One study has projected that by the middle of the 21st century approximately 70% of summers in this region will be warmer than what would now qualify as the warmest summer on record and that the frequency will rise to 90% by the end of the century (4).

After the wettest year on record in 2011, precipitation during 2012 was slightly below normal, averaging

pollen production, while the aller intent of ragweed increases with creased concentrations of carbon oxide (15, 13). An earlier pollen asson that is lasting longer in highallen may become more severe a ergen content of pollen increase: dmissions (7).

eks earlier (17).

demonstrating the link between exces mortality and increases in fine particu-lates Professor Carlton notes, "Ozone



The greatest surge affected the areas to the right of storm track, including the central and northern New Jersey coast, Raritan Bay, New York Harbor and adjacent estuaries, and the coast of western Long Island. The storm surge reached 9-10 feet above normal high tide levels in many of these locations, causing extensive damage and loss of life. Numerous homes were destroyed or damaged, and a new inlet was temporarily opened across the Barnegat Peninsula in Mantoloking.

An important question for coastal planners and residents is whether climate change will ase the likelihood of events similar to Sandy. A determination of past changes in tropical cyclone activity in the North Atlantic is complicated by the changes in observing methods that have occurred as new technologies have been introduced. Recent studies find little evidence of an increase in the number of hurricanes and tropical storms in the North Atlantic during the past century, but there is evidence of an increase in the frequency and intensity of intense tropical cyclones during the period since 1970. Projecting future changes in tropical cyclone activity remains an area of earch. Recent studies suggest that the global frequency of tropical cyclones will either decrease or change little as a consequence of global warming. Their average intensity is likely to increase, in terms of

both maximum wind speed and rainfall, and the frequency of the most intense storms is expected to increase (8). Regional projections of tropical cyclone activity cannot be made with great confidence, however, making it difficult to quantify future changes in tropical cyclone risk in New Jersey. Despite the uncertainties in future changes of tropical cyclone activity, there is high confidence that the impacts of future storms are likely to be more severe because of rising sea levels. Sea level rise will raise the baseline for flooding events, making severe coastal flooding events more frequent in the future. A recent NOAA study projects that the return period for coastal inundation equivalent to that from Sandy would decrease to less than 20 years by the end of the century if sea level rise in New Jersey is at the high end of the expected range (14).

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Anthony I Broccoli Department of Environmental Sciences, Ruteers University: Mariorie R. Kanlan, Ruteers Climate Institute: Paul C. Loikith, let Propulsion

# Office Of Communications

Thanksgiving Holiday Email Card.



# Office Of Communications

Portfolio of Work

# Office of Communications, Services Brochure.



Paula Walcott-Quintin,
Exec Communications Specialist
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Paula Walcott-Quintin is responsible for internal and external communications related to the Office of the
Executive Dean, including speeches and presentations as well as content, input, and feedback on major
Office of Communications publications, including annual reports. She also provides writing and editorial
support for web spotlights and the Newscoom.





Phil Wisneski, Web Designer 848-932-4202 wisneski@aesop.rutgers.edu

Wishtexificeressystrugers.ccu
Philis responsible for core school and experiment station website development and maintenance; web
application development and maintenance; Dreamweaver template development, support, and training:
and database development and maintenance. He is the main contact for online calendar issues.



Office of Communications staff participating in Community Day 2013.

# Lommunications

The Office of Communications for the Rutgers School of Environmental and Biological Sciences and the Rutgers New Jersey Agricultural Experiment Station is an organizational support unit of the Office of the Executive Dean. We partner with the faculty and staff to meet wide-ranging communication needs. Our aim is to utilize organizational information in multiple formats, venues, and media. These include:

- · Marketing, promotion, and recruitment materials
- Website development
- · Legislative and advocacy efforts
- Executive Dean's Office communications (speeches and presentations)
- · Departmental identity, awareness, and branding
- · Reports (annual reports, monthly and topic/audience-specific)
- · Internal communications (dean's monthly message, email broadcasts)
- · Public and media relations
- · Publication development (fact sheets, newsletters, curricula, reports, etc.)
- Social media presence for the school and experiment station

Although most of our work is done in-house, we work with many internal and external partners to produce a wide range of products, outputs, and tools to satisfy the information and communication needs of our organization.

We will work closely with you to find the right communication tools and vendors to meet your specific goals and budget.

Please note: Clients are responsible for all production costs. For more details. please contact Mike Green at 848-932-4201



RUTGERS New Jersey Agricultural Experiment Station

visit oc.rutaers.edu

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Below are some of the many resources available through our website:



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- Fact Sheet and Bulletin Review Form
- · Guidelines for Photo Subjects
- Model Release Forms
- Poster Production Order Form and Guidelines Sources for Stock Photography



# morgueFile



Stock.



- How to Get a Newspaper Article Added to the In the News Email How to Get a Seminar Added to the Seven-Day Seminar Calendar
- How to Set Up a Rutgers Calendar Account
- Media Relations Policy and Tips
- Press Release Basics
- Style Guide for the School and the Experiment Station
- Style Guide for the University

# PROGRAM EVALUATION oc.rutgers.edu/resources/evaluation.asp

Constant Contact (for custom email newsletter templates, event registration, and online marketing) Program Evaluation Resources



- · Qualtrics (a cloud-based survey-builder)

## oc.rutgers.edu/resources/social-media.asp

- Guidelines for Rutgers Social Media Accounts
- How to Post on Facebook as Yourself
- Mashable.com Resources for Facebook, LinkedIn, and Twitter Rutgers Social Media Directory

visit oc.rutgers.edu

- You Tube
  - SEBS and NJAES Social Media Channels
     YouTube Resources

# **Mashable**

Constant Contact' 🚈

## PROGRAM EVALUATIONS . SOCIAL MEDIA . WEBSITES AND COMPUTING

### WEBSITES AND COMPUTING oc.rutgers.edu/resources/web.asp



- CTAAR Computer Workshops
- Email Issues Google Analytics (for tracking website traffic)
- How to Get Website Templates
- How to Set Up a Website in Dreamweaver
- University Web Policy
- Writing for the Web

# Google Analytics

## PERSONNEL Mike Green, Director 848-932-4201

Mike is responsible for the day-to-day operation of the office. He ensures that organizational com-runnication needs are met and new communication tools are developed, implemented, esablated, and reengineered as necessary to meet our clientale's needs. As part of the executive dean's only like works with university units, the school, and the experiment station to provide greater organizational conditionation, consistency, and clairly.



Gary manages the computer hardware and software infrastructure of the Office of Communica-tions. He handles all poster printing requests, special projects, and assists in the management of the office in the areas of operations and personnel.



# esop.rutgers.edu





# Cindy Rovins, Agricultural Communications Editor 848-932-4208 rovins@aesop.rutgers.edu

Cindy provides writing and editorial support for the Newsroom, web spotlights, and monthly and annual reports, with focus on Rutgers Cooperative Extension content. As the communications editor for NIAES, she publishes a newsletter highlighting New Jersey agriculture, and is the contact for the Rediscover the Jersey Tomoto project.

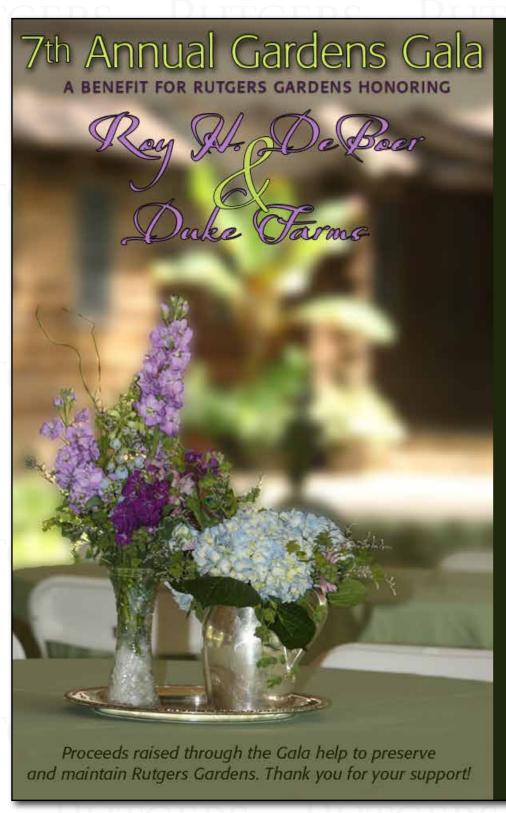


# Kristen Rumolo, Administrative Assistant 848-932-4206

Kristen manages all financial administration and support activities for the office, prepares newslet-ters, fact sheets, and bulletins, and works with other staff members to create content for websites and print materials. She also assists in the organization of campus events such as Community Day

visit sebsnjaesnews.rutgers.edu

Gardens Gala Email Invitation.



Please join us to honor

# Roy H. DeBoer

Hamilton Award for Dedication and Outstanding Commitment

presented by Kent Hiteshew, CC '76

and

# Duke Farms

Distinguished Achievement in
Horticulture Award

presented by
Francis Barchi, Ph.D.

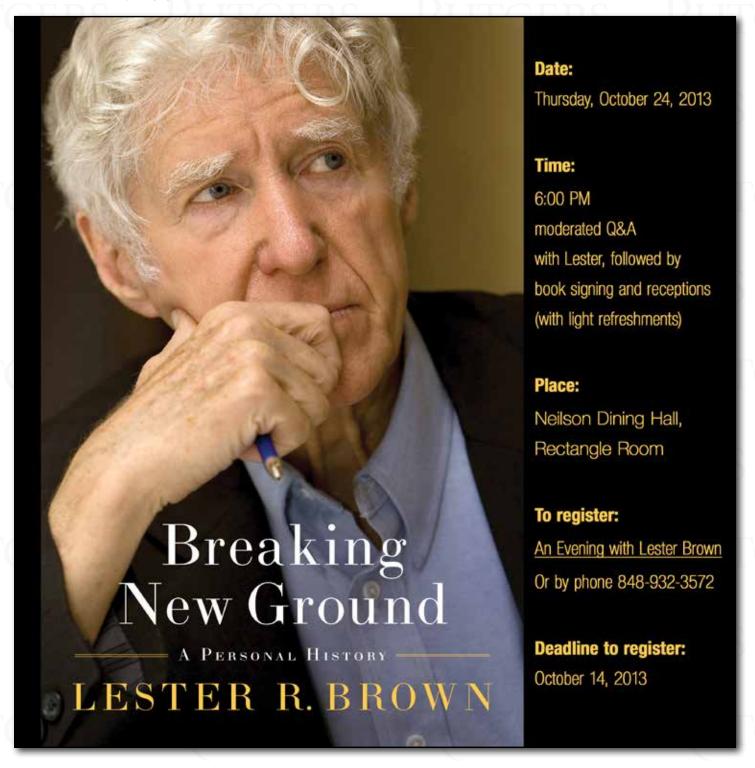
Thursday, September 12, 2013 5:00 - 9:00 p.m.

Log Cabin and Pavilion 112 Ryders Lane New Brunswick, NJ 08901

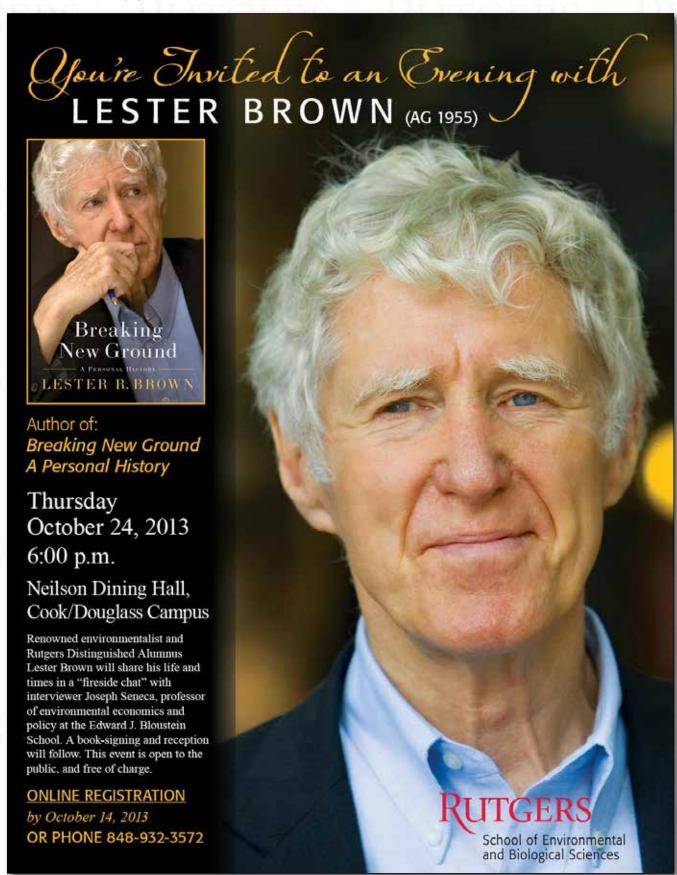
Jersey Fresh wines and cuisine from our weekly market will be a part of this evening's menu.

RUTGERS

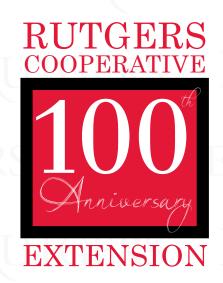
Office of Community Engagement Guest Speaker Email Invitation.



Office of Community Engagement Guest Speaker Poster.



RCE 'Rutgers Cooperative Extension 100th Year Anniversary' Icons.





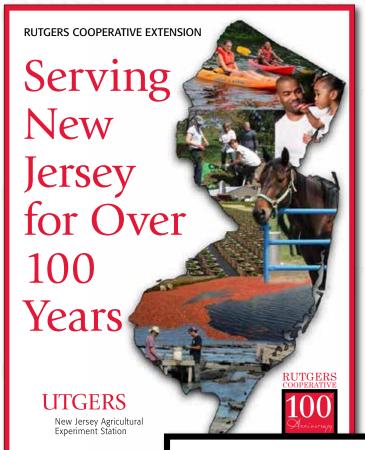
njaes.rutgers.edu/extension100years

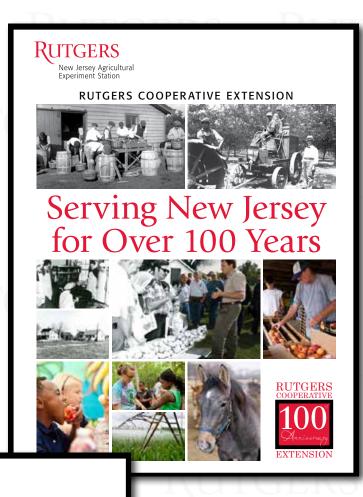




njaes.rutgers.edu/extension100years

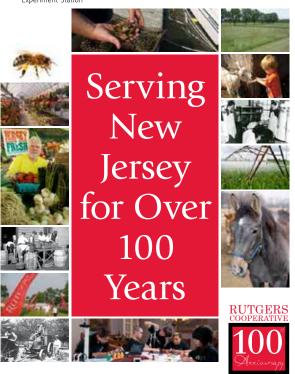
RCE 'Serving New Jersey for Over 100 Years' Posters.





# **RUTGERS**

New Jersey Agricultural Experiment Station



RCE 100 Years Name Badge and County Mesh Banner.



# Rutgers

New Jersey Agricultura Experiment Station

# **Cooperative Extension**

Extending Knowledge and Changing Lives for More Than 100 Years!

S RUTGERS RUTGERS
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New Brunswick Community Farmers Market Flyer.



\$10

WIC, FMNP, SNAP, and Senior Farmers Market Checks

IN BENEFITS

**BUYS YOU** 



\$ 15\*

in fresh, local New Jersey Fruits, Vegetables, and more!



WEDNESDAYS 11-3
108 ALBANY STREET

at KILMER SQUARE PARK at the corner of George Street and Albany Street THURSDAYS 11-4, SATURDAYS 10-4
178 JONES AVENUE

at FARMERS MARKET PAVILION AND GARDENS
off of Georges Road next to Pine Street

WE ALSO ACCEPT CASH, CREDIT/DEBT





follow us on facebook

www.facebook.com/nbcfarmersmarket

\*While funds are available – Minimum \$5 purchase per vendor buys \$7.00 of qualified produce. Subject to the terms and limitations of each benefit program.

Cash and Credit/Debit purchases not eligible for incentives.

Johnson Johnson





# Office Of Communications

New Brunswick Community Farmers Market Door Tag.



New Brunswick Community Farmers Market Wind Banner.



New Brunswick Community Farmers Market Mesh Banners.



















New Brunswick Community Farmers Market 5" x 7" Information Card in English and Spanish.



We bring healthy foods and more from local NJ farms and local businesses to New Brunswick residents and families.

> Featuring nutrition and health information and fun, exciting kids' activities!

> > nbcfarmersmarket.com

Wednesdays\* 11-3

# **108 Albany Street**

at Kilmer Square Park at the corner of George Street and Albany Street

Thursdays\*\* 11-4, Saturdays\*\*\* 10-4

**178 Jones Avenue** 

at Farmers Market Pavilion and Gardens off of Georges Road next to Pine Street

Off street parking available Easy access from bus lines

follow us on facebook.

facebook.com/nbcfarmersmarket

We Proudly Accept  $\mathbf{W}$ IC, FMNP,  $\mathbf{S}$   $\mathbf{A}$   $\mathbf{P}$ , and or Farmers Market Checks



# our new location!

# Albany Street

corner of George Street and Albany Street



## lones Avenue

Gardens off of Georges Road next to Pine Street



# Abierto Ahora! Traemos **comida saludable** y más de **granjas locales de NJ** y negocios locales a residentes y familias de New Brunswick. Tenemos información sobre la salud y nutrición y actividades divertidas para niños! Miércoles\* 11-3 os fácilmente accesible desde el autobús **108 Albany Street** 178 Jones Avenue

New Brunswick Community Farmers Market, 'Market Bucks'.



accepted by all market vendors • not redeemable for cash aceptado por todos los vendedores; no se puede cambiar por efectivo

**EXPIRES NOVEMBER 2013** SE EXPIRA NOVIEMBRE 2013

(authorized signature)



EXPIRES NOVEMBER 2013 SE EXPIRA NOVIEMBRE 2013

(authorized signature)



EXPIRES NOVEMBER 2013

(authorized signature)



(authorized signature)

# 4-H 'Design It!' Program Form.

New Jersey's Partnership for Afterschool Science and Engineering presents...



An Afterschool Engineering Program for Ages 8-12

Now enrolling afterschool sites for 2013-2014. An enrollment form and deposit are due **June 7**.

Check out our website below for more information and a description of enrollment options and packages.

Rutgers Cooperative Extension 4-H Youth Development and NJSACC - The Network for New Jersey's Afterschool Communities, are proud to offer Pesign Itt, an engaging, inquiry based, and fun STEM program designed specifically for afterschool. This comprehensive program was developed by the Education Development Center, Inc. (EDC) in Boston through the support of the National Science Foundation.

Rutgers and NJSACC will provide:

- 1. materials kits
- 2. curricula
- 3. professional development
- 4. ongoing support to school and community based afterschool organizations who enroll by .lune 7

This is a full-year program that includes six engineering projects. Each of the six projects lasts approximately one month, with youth meeting in their "Junior Engineer" club once a week for the duration of the program.

Selected Design It! projects for 2013-2014 include:

- · Balls and Tracks
- · Rubber Band-Powered Cars
- Gliders

- Straw Rockets
- · Paper Bridges
- Trebuchets.

Youth work in teams to design, build, and test their models - repeating the process as they optimize their design.

# nj4h.rutgers.edu/designit

Enrollment Form

Name of Organization:

	(9	chool, 21st CCLC, youth organization, etc.)
ou have not taken advantage of these trainings - waitinesloog of ganizat	nn:	
have been to several and they are fantastic. They are focused,		

hands-on, and professionally run. You also leave with all of the materials you need to share these projects with poat wides, tact for this Program: afterschool programs. and summer programs."

> Email:\_\_\_\_ New Jersey NPASS2 Participani

\_ Phone:

2009-2012

Project Pack) \$1,800 (October, 2013 - June, 2014)

erials, and Workshops for All Six Projects

per Bridges, Gliders, Rubber Band-Powered Cars, Trebuchets, and Straw Rockets

 X
 \$1,800
 =

 \_\_\_\_# of additional staff beyond 3 (if any)
 X
 \$150
 =

 \_\_\_\_# of additional sets of materials kits
 X
 \$500
 =

## □ Partial Package (Four Project Pack)

\$1,350 (October, 2013 - March, 2014)

Curricula, Materials, and Workshops for Four of the Six Projects Balls & Tracks, Paper Bridges, Gliders, and Rubber-Band Powered Cars

50% deposit (or full payment) is due by **June 7, 2013**. Final payment is due no later than September 19, 2013.

Send payment (checks payable to NJSACC) and enrollment form to: NJSACC, Attn: Design Itt 231 North Avenue West #363, Westfield, NJ 07090

Purchase Orders and credit cards are accepted - contact Mike MacEwan at 856-701-3960 for questions regarding payment. Over the summer, additional information will be emailed to your organization's primary contact.

\$1,800 is an investment of \$90 per youth for approximately 6-months of afterschool science and engineering for a group of 20 meeting in a "Junior Engineer" club once a week. This is \$15 per youth per project and includes three full-day workshops for up to three staff, all curricula guides for each workshop attendee, all needed materials for each project, and ongoing support.



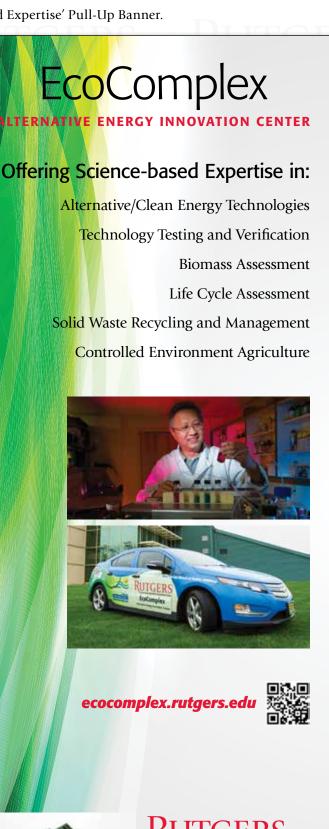






nj4h.rutgers.edu/designit

EcoComplex, 'Offering Science-based Expertise' Pull-Up Banner.



New Jersey Agricultural Experiment Station

## Office Of Communications

EcoComplex, 'Supporting New Business Concepts' Pull-Up Banner.



EcoComplex, 'NJ CERN Database' Pull-Up Banner.

### NJ CERN

#### THE NEW JERSEY CLEAN ENERGY RESOURCE NETWORK

EcoComplex
Alternative Energy Innovation Center

#### NJ CERN DATABASE:

Designed to Assist RE & EE Companies to Grow and Prosper in New Jersey

Flexible, Easy to Navigate Website Provides up-to-date Information to the Clean Energy Community



#### **INFORMATION ABOUT:**

State and Federal RE & EE Incentives
Business Financing Opportunities
Policies and Permitting Information
Business Development Assistance
Green Job Training

njcern.rutgers.edu







RUTGERS

New Jersey Agricultural Experiment Station

The Russell Nutrition Symposium Event Program.

This symposium is sponsored in part by The Office of the Executive Dean for the School of Environmental and Biological Sciences, The Department of Nutritional Sciences, The New Jersey Institute for Food, Nutrition and Health and by unrestricted educational grants from PepsiCo and Campbell's.

#### **RUTGERS**

#### RUTGERS

New Jersey Institute for Food, Nutrition and Health





We gratefully acknowledge the contributions of all speakers involved in this program

## Nutrition and **Function** Throughout the Life-Span Douglass Campus Center October 24th, 2013

The Russell Nutrition Symposium



Maureen M. Black. Ph.D. is the John A. Scholl MD and Mary Louise Maureen M. Black, Ph.D. is the John A. Scholl MD and Mary Louise Scholl MD Endowed Professor in the Department of Pediatrics and the Department of Epidemiology and Public Health at the University of Mary-land School of Medicine. She also has appointments as Adjunct Professor in the Center for Human Nutrition at the Johns Hopkins Bloomberg School of Public Health and the Department of Sprikology at the University of Maryland Baltimore County. Dr. Black Psychology at the University of Maryland Baltimore County. Dr. Black Psychology at the University of trials to promote children's health, nutrition and development among low income families in Maryland and in low and middle-in-come countries. Her work focuses on preventing both undernutrition and overweight.



Sally Grantham-McGregor, MBBS MD DPH FRCP trained in medicine at St Marys Hospital, London University and worked at the Tropical Metabolism Research Unit at the University of the West Indies from 1974 until joining the Institute of Child Health, University College London in 1995. She chaired the Steering Committee for the Lancet series London in 1995. She chaired the Steering Committee for the Lancet sense on Child Development in Developing Countries published in 2007. She has published over 200 peer reviewed articles and book chapters on factors affecting full development in developing countries. She previously chaired the subcommittee on Nutrition and Mental Develop-ment of IUNS and was a member of the Task Force on Iron for the UK Scientific Advisory Committee on Nutrition. She is on the Advisory Board Scientific Advisory Committee on Nutrition. She is on the Advisory Board for Early Childhood Program for Open Society Foundation, and a member of the Advisory Panel on Early Childhood and Readiness to Learn for the Inter-American Development Bank, Washington and on the Global Child Development board. She contributed to the recent series in the Lancet on Maternal and Child Nutrition.



Betsy Lozoff, M.D. a developmental-behavioral pediatrician, received a BA from Radcliffe College in 1965 (Social Relations) and MD from Case Western Reserve University School of Medicine in 1971. She was Director of the University of Michigan Center for Human Growth and Development for 11 years and is currently Professor of Pediatrics and Communicable Diseases in the Medical School and Research Professor at the Center. Diseases in the welcal Soliou and Research Treason at the Crieffe Lozoff's research focuses on the effects of iron deficiency on infant behavior and development, a widespread concern since iron deficiency is the most common single nutrient disorder in the world. Her research has received uninterrupted support from NIH for the last 33 years, and NICHD recognized her outstanding contributions by a MERIT Award, 1999-2009. She was a member of the National Research Council/Institute of Medicine of the National Academies Board on Children, Youth, and Families from 2006-2009.

#### Purpose and Scope

The Russell Nutrition Symposium is one of the highlights of the Rutgers Department of Nutritional Sciences academic calendar Previous symposia in the series focused on the long-term health implications of nutrition in childhood (2011) and maternal-infant nutrition (2012). In this year's third annual Russell Symposium, the topic is how nutrition affects the brain and cognitive function. The presentations by leading international experts in their respective fields span a range of topics from cognitive development in early childhood to preservation of cognitive function in old age



Registration - Continental Breakfast

9:30-9:45 Welcome & Introductions

Robert M. Goodman, Ph.D., Executive Dean and Director School of Environmental and Biological Sciences, Rutgers University Joshua W. Miller, Ph.D., Chair, Department of Nutritional Sciences, School of Environmental and Biological Sciences, Rutgers University

9:45-10:30 Hidden Hunger in America

Maureen M. Black, Ph.D., Professor Department of Pediatrics, University of Maryland School of Medicine, Baltimore, Maryland

10:30-11:15 Macro and Micronutrient Deficiencies and Development in Children

**Sally Grantham-McGregor**, MBBS MD DPH FRCP Emerita Professor of International Child Health, UCL Centre for International Health and Development, Institute of Child Health, University College, London

11:15-12:00 Brain and Behavior in Early-Life Iron Deficiency

Betsy Lozoff, M.D., Professor, Department of Pediatrics and Communicable Diseases & Research Professor, Center of Human Growth and Development, University of Michigan, Ann Arbor, Michigan 12:00-1:30

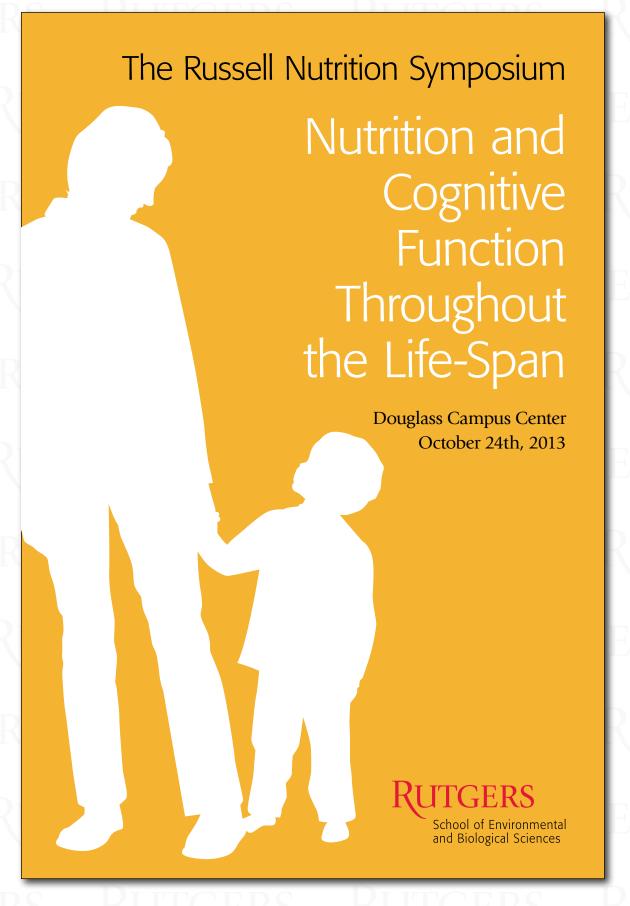
1:30-2:15 **LCPUFA Supplementation and Developmental Outcomes** 

John Colombo. Ph.D., Professor, Department of Psychology. University of Kansas Director, Schiefelbusch Institute for Life Span

RUTGERS



The Russell Nutrition Symposium Event Poster.



The Department of Nutrition, 4 Panel Wall Display.

RUTGERS RUTGERS RUTGERS

The Department of Nutritional Sciences focuses on nutrition health and wellness through basic, translational, behavioral, clinical, and applied research and education.

#### We are committed to:

Undergraduate, Graduate, and Professional Nutrition Education

Multidisciplinary Nutrition Research

Evidence-Based Public Service to Improve Nutritional Habits, Health and Wellness

Specific departmental emphases include molecular, biochemical, physiological, psychological, dinical, and cultural dimensions of human nutrition. The combination of biology and social science in teaching and research equips the department to take a fresh look at nutrition problems and develop unique solutions that improve the quality of life for people throughout New Jersey, the United States, and the world.

#### What We Offer

#### **Undergraduate Nutritional Sciences Major**

Nutritional Science Dietetics (DPD)

Community Nutrition

Food Service Administration

#### Graduate Program M.S. and Ph.D

Nutritional Biochemistry and Physiology Applied and Community Nutrition Combined Masters-Dietetics Internship

**Nutritional Sciences Preschool** 

#### Outreach and Extension

NJ SNAP-ED

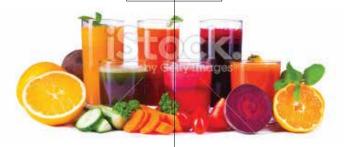
EFNEP

Ask Before you Eat



Research and Education for a Healthy Tomorrow

touch screen



faculty

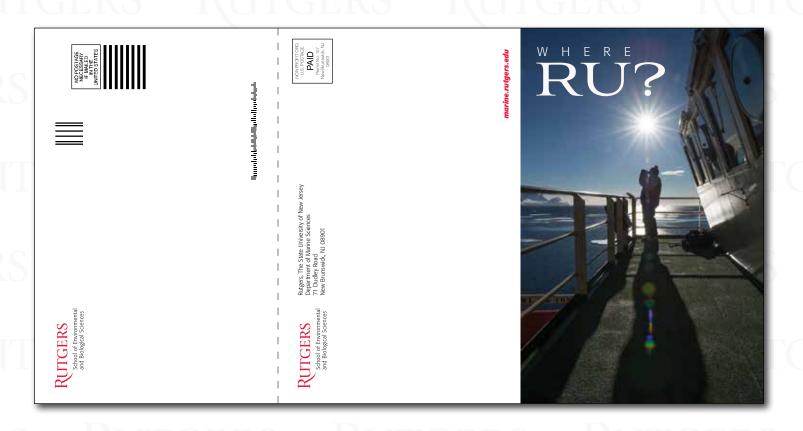
map

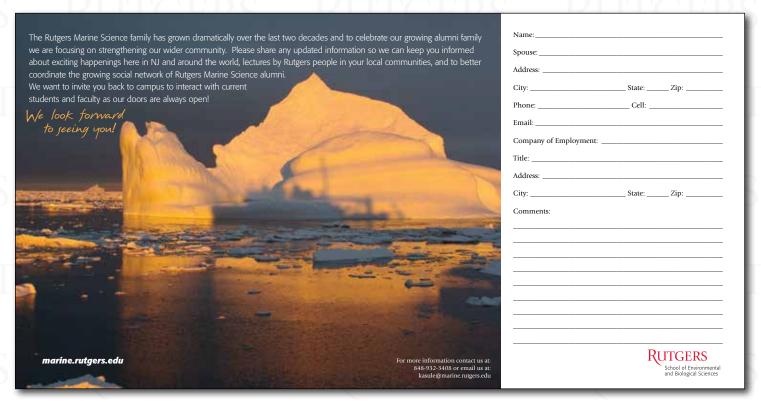
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## Office Of Communications

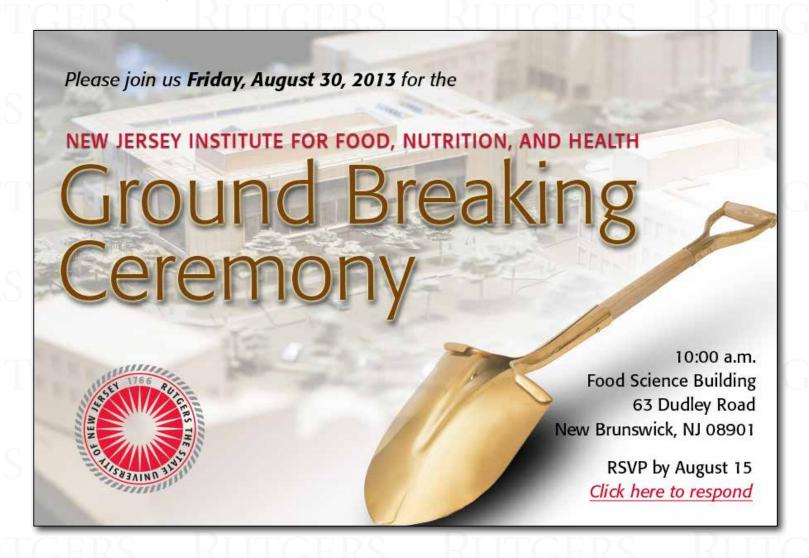
Portfolio of Work

Marine and Coastal Sciences Self Mailer Tri-Fold.

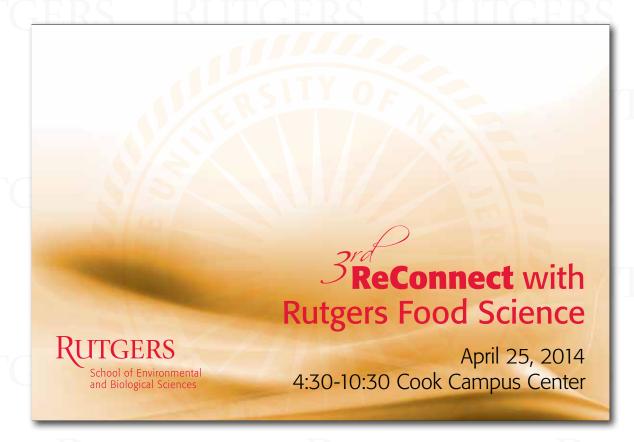




IFNH Ground Breaking Ceremony Email Blast Invitation.



'3rd ReConnect with Rutgers Food Science' Post Card.



You are cordially invited to attend the *3rd ReConnect with Rutgers Food Science* event on Friday April 25, 2014 at the Cook Campus Center.

Enjoy reconnecting with friends, alumni, faculty and colleagues of the Department of Food Science at Rutgers University. Friday's event will begin in the afternoon with a networking mixer, including alumni, students, current and retired faculty, and guests, followed by a sit-down dinner and a fun filled evening.

Stay the night, and come back Saturday morning for a continental breakfast followed by an optional tour of the Food Science building. You can also enjoy *Rutgers Day* activities including barbeques and Food Science ice cream.

For more information and registration visit us at: foodsci.rutgers.edu or contact Irene Weston at 848-932-5432 or weston@aesop.rutgers.edu.

A \$55 per person contribution is kindly suggested to defray the cost of the event. I look forward to seeing you in April!

- Mukund Karwe, Chair, Department of Food Science

Department of Food Science Rutgers University

65 Dudley Road New Brunswick, NJ 08901 Non Profit Org. **US POSTAGE PAID** New Brunswick, NJ 08901 Permit 157 FCHS 'Working Well in New Jersey' Logo Design.



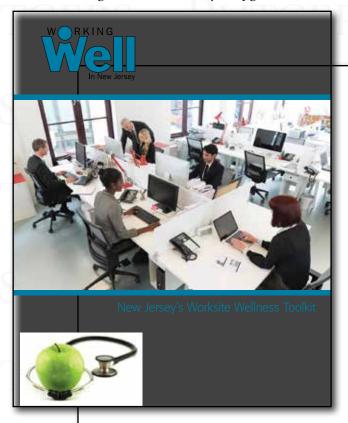




### Office Of Communications

Portfolio of Work

FCHS 'Working Well in New Jersey' 52 pg Toolkit Online PDF with Live Links.



The Working Well in New Jersey Toolkit was made possible by a grant from CDC to the New Jersey Department of Health – Office of Chronic Disease Prevention. The Office of Chronic Disease Prevention sub-contracted the grant to Rutgers University/Rutgers Cooperative Extension/Department of Family and Community Health Sciences (FGLS) and Employees Association of New Jersey. Jonne Kinsey, FCLIS Educator in Atlantic/Jocan Counties, and Kathleen Mongan, Chair, Family and Community Health Sciences and John Sarne. Employees Association of New Jersey developed the Working Well in New Jersey Toolkit for implementation in the 21 counties of New Jersey and is to have the Working Well in New Jersey Toolkit be the New Jersey State Worksite Wellness Toolkit.

New Jersey Toolkit be the New Jersey State Worksite Wellness Toolkit. Heart disease and stroke, the principal components of cardiovascular disease (CVD), are among the nations leading causes of death and disability. Heart disease is a leading cause of permanent disability among working age adults. The emphasis of this toolkit is to prevent heart disease and stroke by addressing risk factors that can eventually lead to heart disease. The risk factors include physical inactivity, high blood researce, poor nutrition, obesity, high blood cholesterol, tobacco addiction, and other health-telated behaviors. It will take the active involvement of public and private partners to bring about change in employee and community behaviors. Together, we can improve the healthy lifestyles of our employees and their families while at the same time reducing the burdens of obesity, heart disease and stroke, and high employer/employee health care costs.

Social thanks to the followine New Iersew emplowers for particinatine in the pilot.

Special thanks to the following New Jersey employers for participating in the pilot of the Working Well in NJ Toolkit:

AAA South Jersey The Arc Atlantic County

Miele New Point Behavioral Health Care Association Headquarters

Eastern Propane

Novadebt

Circle of Care for Children & Families

Preferred Behavioral Health of NJ. Inc. QualCare, Inc.

Michael Foods, Inc.

Employment Horizons Cedar Crest/Erickson Living

Robert Wood Johnson Hospital- Rahway

Fellowship Village Groupe SEB USA

Integrity House, Inc.

Solix, Inc. Township of Montclair Flight Centre USA, Inc.

#### What is a Worksite Wellness Program?

A worksite wellness program is an organized approach to begin to make necessary changes that will support employee health like environment, policies, and programs that encourage healthy lifelong behaviors like, healthy eating, increased physical activity, reduced tobacco exposure, and reduced stress.

#### Why Have a Worksite Wellness Program?

The average employee spends more time in the work setting than any other setting in an average day. Of most places, the work setting (like schools) lends itself to policy and environmental changes that encourage healthy habits. Worksites provide a strong environment to change behavior with healthy habits than can lower the number of health risk factors. When employers invest in worksite health promotion, healthy motivated employees are vitally important to a workplace and can have a significant impact on an employer's bottom line related to health care costs. An investment in worksite wellness:

- Improves employee health, morale and quality of life
- Increases productivity, while creating a desirable environment
- · Reduces absenteeism

Employees spend 36% of their total waking hours at work. Many employees are becoming overweight due to poor eating habits, and physical inactivity. Heart disease and stroke are linked to common risk factors associated with poor eating habits, physical inactivity, and tobacco use.

The worksite environment is ideal for increasing employee knowledge and skills needed to address healthy lifestyle behaviors. Together, employers and their employees can boost employee morale, potentially increase productivity by decreasing absenteeism, and improve attention to physical fitness. In addition, the healthy lifestyles of employee's families, and communities can be improved, while at the same time reducing the burdens of obesity, heart disease and stroke.

at the same time tenucing the offuncions to obesity, incard tisease and stroke. The emphasis of the Working Well in New Jersey Toolkit is to prevent heart disease and stroke by addressing risky behaviors that can eventually lead to chronic disease. The risk factors include physical inactivity, high blood pressure, poor nutrition, obesity, high blood cholesterol, tobacco addiction, and other health-related behaviors. It will take the active involvement of public and private partners to bring about change in employee and community behaviors.

Video! Why Worksite Wellness http://youtu.be/Tss2B-\_Slaw



Today's employers are wise to invest in worksite health promotion. Motivated, healthy employees are the vitality of a workplace as a whole and have a major impact on an employer's bottom line. An investment in Working Well in New Jersey health promotion programs:

- Improve employees' health, productivity and contribute to an improved quality
- Reduce missed workdays due to chronic illness related to heart disease an stroke reducing the cost to employers for downtime and temporary help. Decrease absenteeism, employee turnover and health-care costs.
- May reduce the management of health care, and the cost of benefits and insurance.
   Create a culture of wellness in the work environment.

#### The Burden of Heart Disease and Stroke for New Jersey

- More than 1 out of 4 deaths in NJ were due to heart disease (National Vital Statistics Report, 2009).
- 19,548 New Jersey residents died from heart disease in 2006 (27.8% of total deaths in NJ), (National Vital Statistics Report, 2009).
- 3,468 New Jersey residents died from a stroke in 2006 (4.9% of total deaths in NJ), (National Vital Statistics Report, 2009).
- According to 2007 Behavioral Risk Factor Surveillance System (BRFSS) survey results, adults in NJ reported the following risk factors for heart disease and stroke:
- 28.2% had high blood pressure
- 38.6% of those screened reported having high blood cholesterol
   9.2% had diabetes
- 17.1% were current smokers
- 62.3% were overweight or obese (BMI greater than or equal to 25.0)
- 51.9% reported no exercise in the prior 30 days
   72.5% ate fruit and vegetables less than 5 times a day

Risk Factor	New Jersey	Nationwide (States and D.C.)
Eat fruits and vegetables less than 5 times/day	72.5	75.6
Overweight or obese	62.3	62.9
No moderate or vigorous physical activity	51.9	50.5
High total blood cholesterol	38.6	37.6
High blood pressure	28.2	27.8
Cigarette smoking	17.1	19.8
Diabetes	9.2	8.0



FCHS 'Working Well in New Jersey' 52 pg Toolkit Online PDF with Live Links (continued).

#### Creating a Healthier Workplace



WORKING WELL IN NEW JERSEY

#### Steps to Creating a Healthier Workplace

Health promotion and disease prevention can add up to healthier work culture including; improved employee health, the reduction of healthcare costs, and higher productivity. In order to support improved practices in the worksite a simple step-by-step process can be used. The following steps will ultimately determine the success of a worksite wellness program:

- Create a Culture of Wellness in the 

   Marketing Your Program
- Worksite

  Gain Support of Management

  General Wellange Committee

  Low, Medium, and High Cost Low, Medium, and High Cost Resources
- Create a Wellness Committee Assess the Needs and Interest of • Topics of Interest to NJ Employees
- Assess the Needs and Interest or Employees

  Develop a Realistic Plan to Achieve
  Your Goals

  Legal Issues

  Evaluate the Program
  Sustaining Your Wellness Program

In some cases worksites may need to adjust their strategic plan to effectively accomplish a healthier worksite. Others may encourage employees to increase their physical activity by outlining a walking path around the inside of the facility or outdoors in a safe well-lit area. Some employers may establish a series of educational workshops to best suit the needs of their employees. Even the placement of bilingual posters could encourage employees to adopt healthy lifestyle strategies. In all, a worksite wellness program must become part of the organization to develop a culture of wellness that will ultimately impact the health of the individuals and the organization.

Do you need technical assistance? Please note the 25 technical assistance webinars available to help you develop your program.

Visit our website: gmghnj.rutgers.edu/webinars

Working Well in NJ Online Webinar Training: Technical Assistance

#### Voices From the Field

We are very excited and committed to this program! Have brought in fresh fruit on a wast and it was well received so they are now expanding the budget for this. We are going to brand this project and make it known to the employees. We have started co sations with our health care provider about premium discount for employees particip our wellness programs. Some employees are not in the health care program so we as thinking about incentives for them to become engaged.





#### Create a Culture of Wellness in Your Organization

A culture of wellness does not happen overnight because a cultural shift in an an A cuttation of some than a few papers overlight less a cuttation from an an A cuttation is more than a few papers of the pape

organization will be on your plant or wellness.

A culture of wellness includes programs that educate employees about nutrition and making healthy food choices and avoiding diet trends. It might include providing healthy choices while limiting or eliminating high sugar/fat/sodium options in vending machines in the worksite. Perhaps offering and identifying healthy options in the cafeteria will be part of your culture of wellness.

Emotional health issues should also be addressed in a culture of wellness. Consider programs about stress management, anxiety and depression for your employees. Reducing the incidence of those issues will increase your organization's bottom line. Preventative care is a part of managing employee health. Participate in pro-grams that encourage annual physicals and age-appropriate screenings.

grams that encourage annual physicals and age-appropriate screenings. It is important for employers to be supportive and encourage opportunities for increased physical activity. Encourage employees to participate in community events such as wellness walks for local charities. Employees, as individuals or in interdepartmental teams can participate in the Walk NJ Point-to-Point online challenge to increase physical activity (see Walk NJ Point-to-Point to flex encourage section of this toolkit). Some employers find it useful to designate a walking path on-site in the building or on company property. Employees will be motivated to take a walk during break or lunch times if a walking path is accessible and safe.

Working Well in NJ Online Webinar Training: Develop a Culture of Wellness

http://vimeo.com/69476050

#### Voices From the Field

One thing that shows our success - is now I have employees offering ideas and su It's great to see people joining the gym or walking more or just plain learning more and very positive feedback to all of the programs we have offered. We currently he employees participating in a walk program. We have 10 - 15 people each week px watches club. When we have parties, people are bringing more healthy it terns to s smoking cessation program will be next and then maybe a smoke free site.

We have taken the feedback we've received from our employee population and I multitude of programs so that we tap into the broad demographic population ver generally cater to a segment of the population. We are now measuring the succe by way of defined metrics.



WORKING WELL IN NEW JERSEY

FCHS 'Working Well in New Jersey' 52 pg Toolkit Online PDF with Live Links (continued).

#### Gain Support of Management



WORKING WELL IN NEW JERSEY

It is essential to gain the support of management to conduct an effective worksite wellness program. For a successful wellness initiative, the employer and those administrating the initiative must share the vision of the program. In some cases the CEO will be the driver of the health promotion work and in other instances a human resources leader or wellness champion within the worksite may lead the effort. The most effective programs may be the result of including wellness as part of the company mission. The level of buy-in from senior level management will be critical to a successful program. A good indication may be that management participates in wellness practices and activities to improve their personal health.

Before approaching management be prepared to answer these questions:

- · How will this initiative improve our workplace?
- How much will it cost to run this program or bring about the desired change?
- How can we persuade workers to participate?
- How will we know if this was meaningful use of time and resources?

#### Tips for gaining management support:

- Find out if management participates
   in wellness activities and practices
   healthy lifestyle habits.
- Tailor the health promotion strategies to meet the goals and mission of the organization.
- data if it is available
- uata II II is available.
  Use the Burden of Heart Disease &
  Stroke for NJ, and the Chronic
  Disease & Health Promotion in
  America sections of the Working
  Well in NJ Toolkit.
- Share the CDC Worksite Health Promotion website: cdc.gov/workplacehealthpromotion
- Share worksite health care claims
   Recruit local partnerships with the American Heart Association and the American Cancer Society.

  - Encourage managers lead teams.

Working Well in NJ Online Webinar Training: Gain Support of Management

QualCare has established a Wellness Committee inclusive of the organization's President, Medical Director, CRO, Director of Benefits and staff level employees. This top-down approach assists our organization in achieving its objectives. Robert Wood Johnson Hospital Rahway

We created a "LiveRight" Calendar outlining all Health and Wellness events and handed out a copy to each Executive at Executive Staff Meeting. Wakefern Food Corporation

Video! Gain Management's Support http://www.youtube.com/watch?v=qU3HPm0tU20

http://vimeo.com/69475647



#### Steps to Develop a Wellness Committee

Steps to Develop a wellness Committee

The wellness committee plays a large role in the effectiveness of a worksite
wellness initiative. Gathering interested, or experienced employees, positive role
models, and wellness champions on the committee will ensure its effectiveness.
Even a small team of dedicated employees can lead an elfort that gets the ball
rolling toward a culture of wellness in the worksite. In large organizations the
committee can include a cross-section of employees, management, human resources,
and other interested employees. The committee's charge will be to explore and
identify worksite wellness programs that are most appropriate for the institution.
Below is a step-by-step process:

#### Step 1: Design the Committee

Invite representation from various aspects of the organization. It is important tinclude employees who work in departments that impact staff health, includin human resources and benefits, work in departments that impact environment an policy change. Designate a wellness champion who will help lead the charge timproved health and facilitate regular meetings.

#### Step 2: Start Discussions About Worksite Wellness

Develop a Work Plan that is realistic for the organization and the employees. Work toward making changes, one at a time, showing an impact on the work environment. At each meeting review the tasks to be done and those that have been completed. Invite new members to keep the conversation fresh. If meeting refershments are served, make sure they are healthy choices! Start small!!!

Once the Wellness Committee has defined an implementation plan it is time put the plan into action. If your worksite is new to the idea of health promotion it will be best to take one step at a time. Select one or two achievable goals to work toward, then evaluate your progress before moving on to additional goals. If your worksite has already made progress towards earlier goals to develop the next plan to reach a higher goal.

A culture of wellness will encourage a sense of belonging, self-confidence, sense of accomplishment and increased morale among employees. The healthier environment may also lead to higher productivity on the job and reduced absentesism. Tangible items to reinforce a culture of wellness may include some of the following changes:

- Company policy to eliminate or restrict smoking on the worksite
- · Healthier menu choices in the cafeteria
- Opportunities for employees to increase their level of physical activity (walking path)
- Time for employees to participate in informational workshops or lunch and
- Discounts at a local fitness center
- Recognition in company communications

- Merchandise awards
   Reduction in health insurance costs

Working Well in NJ Online Webinar Training: The Importance of a Wellness Committee

#### Voices From the Field





### Office Of Communications

Portfolio of Work

#### FCHS 'Working Well in New Jersey' Tri-Fold Brochure.

Additional technical assistance features of the Working Well in NJ Toolkit:

- Chronic disease and health promotion in America
- The burden of heart disease and stroke in New Jersey
- Links to 25 brief webinar trainings plus 10 informational videos on YouTube and Vimeo
- · Information about HIPAA and Non-HIPAA issues
- Walk NJ Point-to-Point online tracking tool
- Employer and employee pre and follow-up assessments
- Wellness Committee Prioritizing Tool
- · Wellness Committee Work Plan
- · Resource directory for employers

For more information find us at:

nj.gov/health/fhs/chronic/stroke.shtml













### New Jersey's Worksite Wellness Program



#### For more information contact:

Joanne Kinsey

Family and Community Health Sciences Department Rutgers Cooperative Extension Atlantic & Ocean Counties 6260 Old Harding Highway Mays Landing, NJ 08330

609-625-0056

jkinsey@njaes.rutgers.edu gmghnj.rutgers.edu/workforce

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, an County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit on the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunit program provider and employer.



#### The New Jersey Worksite Wellness Toolkit

The average employee spends more time in the work setting than any other setting in an average day. Of most places, the work setting (like schools) lends itself to policy and environmental changes that encourage healthy habits. Worksites provide a strong environment to change behavior with healthy habits that can lower the number of health risk factors. When employers invest in worksite health promotion, healthy motivated employees are vitally important to a workplace and can have a significant impact on an employer's bottom line related to health care costs. An investment in worksite wellness:

- Improves employee health, morale, and quality of life
- Increases productivity, while creating a desirable environment
- Provides a return on investment
- Reduces absenteeism

Employees spend 36% of their total waking hours at work. Many employees are overweight due to poor eating habits, and physical inactivity. Heart disease and stroke are linked to common risk factors associated with poor eating habits, physical inactivity, and tobacco use.

#### Toolkit Components:

- Create a culture of wellness in the worksite
- Gain support of management
- Create a wellness committee
- Assess the needs and interest of employees
- Develop a realistic plan to achieve your goals
- Marketing your program
- Recruit community partners
- Low, medium, and high cost resources
- Topics of interest to NJ employees
- Legal issues
- Evaluate the program
- Sustaining your wellness program

#### What employers are saying about the toolkit:

Survey to staff gave us a lot of input as to what they wanted.  ${\it Employment Horizons}$ 

We used the section on employee survey to help us interpret the data and use that as our starting point. We had about 45% participation and were able to prioritize our areas of focus.

Preferred Behavioral Health NJ

The employee survey was very helpful and has given us a direction with our programming. We found that our employees were mostly sedentary and were interested in having more healthy foods/snacks at work. Thanks for the online tools and trainings, they are helpful and motivating!

Northstar Travel Media

We were able to find speakers to come in to speak with our group. We had good success finding vendors for our health fair and found the community willing and able to help us.

Arc Atlanti

The toolkit is an awesome tool for employers to reference whether they are starting from scratch or had a wellness plan in place.

Robert Wood Johnson Hospital Rahway

The toolkit has some great resources and links that I use for my wellness bulletin board. The toolkit makes the wellness part of my job go smoother and I spend less time searching for resources.

James Alexander Corp

Although our wellness committee was already established before the toolkit, we are now a little more concrete, more focused, more results driven.

Flight Centre USA



FCHS 'Working Well in New Jersey' Post Card.

### Attention New Jersey Employers!

Announcing New Jersey's comprehensive worksite wellness toolkit, created for employers interested in: Improving employee health Improving employee morale and quality of life Increasing productivity in a desirable environment Reducing absenteeism





RUTGERS

New Jersey Agricultural
Experiment Station

Cooperative Extension
Rutgers, The State University of New Jersey
88 Lipman Drive
New Brunswick, NJ 08901-8525

Official Business

NONPROFIT ORG. U.S. POSTAGE PAID PERMIT NO. 221 NEW BRUNSWICK, NJ FCHS 'Get Moving-Get Healthy WORKFORCE' Logo.



TGERS RUTGERS RUTGERS RUTGERS

Retired Faculty Luncheon Email Invitation.

Warmest Greetings...

The fall semester is off to a great start, with a record enrollment for the School and many new developments on campus.

For instance, it is fascinating to watch the rapidly rising "home" for the Institute for Food, Nutrition, and Health under construction next to the Department of Food Science building on Dudley Road. This is the first new academic building construction on campus in decades.

Also, if you attended last year's Retired Faculty Luncheon, you heard about the new Rutgers Retired Faculty and Staff Association and the plan to create a center as a gathering place for all University retirees. You will be pleased to learn that the new Rutgers Retired Faculty and Staff Center now exists and soon will be open for business with a full-time staff person. It is located off the lobby of Administrative Services Building 2 on Route 1 on the Cook Campus.

Once again this year, Executive Dean Bob Goodman will be hosting the Retired Faculty Luncheon. Here are the details:

#### **2013 Retired Faculty Luncheon**

Tuesday, December 3, 2013 – 11:30 a.m. to 2 p.m. University Inn and Conference Center 178 Ryders Lane, New Brunswick, New Jersey 08901

Come visit with your colleagues as well as some of our deans and directors, alumni representatives, and students who will be on hand to greet you. Lou and Fran Iozzi are planning to be back this year and will perform a musical interlude as part of the day's festivities, and we will have several varieties of poinsettia as gifts to brighten your holiday season.

We are asking that you register by November 22. If you have access to the Internet, please visit **www.discovery.rutgers.edu** where you will find the link to the registration page. Or you may phone me at 848-932-4215, or email orban@aesop.rutgers.edu. As always, the luncheon is free for each retired faculty member and his/her guest.

Looking forward to seeing you and having a chance to catch up.

Best regards,

Diana M. Orban Brown

Director, SEBS/NJAES Office of Community Engagement



RCE Mercer County 'NJ EFNEP and NJ SNAP-Ed' Poster.

# NJ EFNEP NJ SNAP-Ed



### **Mercer County**

The New Jersey Expanded Food and Nutrition Education Program (NJ EFNEP) and the New Jersey Supplemental Nutrition Assistance Program – Education (NJ SNAP-Ed) are Rutgers Cooperative Extension programs aimed at reducing hunger, preventing obesity, and increasing physical activity among limited-resource adults and youth.



Our behaviorally-focused, research-based lessons include topics such as:

- MyPlate/MyPyramid
- Eating More Vegetables and Fruits
- Healthy Eating on the Go
- Eating Less Sugar
- Eating Less Fat
- Reading Food Labels
- Meal Planning
- Stretching Food Dollars
- Food Safety

For more information on these topics, visit our interactive one-on-one learning site:



### snaped4me.org

We work with community-based programs and schools to deliver classes in English and Spanish at no cost to you.

To start a class series, call 609-989-6835.







RCE Mercer County 'Master Gardeners' Poster.

# Master Gardeners



### **Mercer County**

Trained by the County Horticulturist and Rutgers faculty, Master Gardeners host free horticultural programs throughout the year.



Year-round advice on horticultural matters including

- Plant identification
- Plant disease
- Pest identification and management



- Learn about backyard composting
- Garden inspiration for your home
- Open daily, dawn to dusk



- Spring garden symposium
- Plant sale
- Insect Festival
- Monthly educational programs



### Become a Master Gardener

Do you want to excite, inspire, and encourage the residents of Mercer County to participate in the rewarding experience of responsible gardening and pest management? Ask for an application today.



Helpline 609-989-6853









RCE Mercer County 'FCHS Grow Healthy' Poster.

# Family and Community Health Sciences

### **Mercer County**

### Promoting Healthy Families, Schools and Communities

#### Focus Areas

- Chronic Disease Prevention
- Nutrition and Physical Activity for a Healthy Lifestyle
- School Wellness
- School Gardens
- Farm to School
- Food Safety
- Food Allergy
- Food Security

### Nutrition and Health Education For Youth and Adults

Programs available for people with developmental disabilities, their families, teachers, and caregivers.

- Schools
- Child Care Settings
- Workplaces
- Senior Centers
- Community Centers
- Houses of Worship
- Health Fairs
- New Parents Groups

Family & Community Health Sciences, a part of Rutgers Cooperative Extension, promotes health and wellness through education, research and collaboration, with outreach in food, nutrition, and healthy lifestyles.











Volunteers Wanted!
Become an FCHS Wellness Champion





RCE Mercer County '4-H Youth Development' Poster.

# 4-H Youth Development Mercer County



Afterschool Programs

Camps, Day and Overnight

Community Clubs

County 4-H Fair

Teen Programs







# School Enrichment Educator Workshops

The 4-H Youth Development Program uses a learn-by-doing approach to enable youth to develop the knowledge, attitudes and skills they need to become competent, caring and contributing citizens of the world.



mercer.njaes.rutgers.edu





Volunteers Wanted!

RCE Mercer County 'Agriculture' Poster.

# Agriculture

**Mercer County** 

Commercial Agriculture
Ornamental Horticulture
Residential Horticulture
Integrated Pest Management







Environmental Resource Management Farm Risk Management Pesticide Safety



We work with commercial and governmental agencies to offer educational outreach, conduct relevant research, and improve public understanding of the agricultural community in Mercer County.





4-H 'Steps to Becoming a 4-H Volunteer & Starting a 4-H Club' Brochure (in progress).

#### **Essential Elements**

#### I pledge my head to clearer thinking

INDEPENDENCE
In order to develop their self-confidence, youth need to feel and believe they are capable. They also need to experience success at solving problems and meeting

#### I pledge my heart to greater loyalty

Youth need to feel that they are able to influence others through active decision-making. A growing ability to think, feel, make decisions and initiate action represents the sense of responsibility and discipline that comes with increased independence and self-reliance.

#### I pledge my hands to larger service

Youth need to feel their lives have meaning and purpose. By participating in 4-H community service and citizenship activities, youth can connect to communities and learn to give back to others. Youth learn that they do not live in a secluded world, but instead it is indeed a global community, which requires awareness and compassion

#### I pledge my health to better living

Youth need a sense of physical and emotional safety.

They need to feel connected to others in their group. Research shows that it is important for youth to have opportunities for long-term, consistent relationships with adults other than their parents. A sense of belonging may be the single most powerful factor that promotes positive youth development.



Find the contact information for your local county 4-H program at nj4h.njaes.rutgers.edu or call the NJ State 4-H Office at 848-932-3700.

1" x 25/8" label

RUTGERS

Ruigers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit of the Ruigers New Jersey Agricultural Experiment Stati is an equal opportunity program provider and employer.



Steps to Becoming a 4-H Volunteer

Starting a 4-H Club

#### RUTGERS

New Jersey Agricultural Experiment Station



### Steps to Becoming a 4-H Volunteer



#### CONTACT YOUR

Apply to be a volunteer through your county's Rutgers Cooperative Extension office. Each county has 4-H staff members who can help you get started. Find the contact information for your local 4-H office at — nj4h.rutgers.edu



FIND THE RIGHT FIT

Talk with your county 4-H staff person to learn about the current volunteer opportunities available. Be sure to share your interests and skills. available. Be sure to sr your interests and skill Together you will determine the best volunteer role for you!



APPLY TO BE A 4-H

Complete the NJ 4-H Application form and return it to the county 4-H office.



COMPLETE THE SCREENING PROCESS

For the protection of 4-H members & volunteers, all applicants must be screened prior to their acceptance for the



#### RECRUIT MEMBERS

Tell family & friends.

Recruit at least 5 youth from 3 different familie 4-H staff can help you with recruitment strategies.



#### HOLD YOUR FIRST

- Arrange location



Organize your first club meeting.

- Define your project area
- Work with your members to name



Steps to Starting a 4-H Club

#### REGISTER YOUR

Distribute registration forms to members.

Make sure they are completed for every member and sent to your county 4-H office.



#### HOLD ELECTIONS

Members hold elections

- Members nominate club officers
   Nominated members
- give speeches
- Elections are held



#### COMPLETE THE ONLINE ORIENTATION

While your application is being processed, begin to familiarize yourself with the 4-H program by completing the online orientation. Your county 4-H staff will direct you to the



In-person training sessions take place locally and are led by county 4-H staff. Your Extension office will contact you for available training dates. Complete the 4-H Volunteer Regis-



AGREE TO SERVE

Your 4-H staff will review the 4-H Volunteer Appointment Agreement with you. You will become an official 4-H volunteer when both you and your 4-H staff have signed the



MAKE A DIFFERENCE

Make a difference in the lives of 4-H members by serving as a caring adult volunteer.



**OBTAIN A CHARTER** 

Complete application for obtaining a Charter.

- · Complete Charter
- application



SCHEDULE YOUR 4-H YEAR

Create a meeting schedule and calendar for the year with your members, including dates, times, and places



**ORDER SUPPLIES** 

Coordinate with you county 4-H office to order 4-H project materials (ex. Project record books, entry forms).



INSPIRE YOUR

Inform your club members about upcoming county, regional, and State events.

4-H 'Connect and Share' Poster 1 of 2.



#### TO BE A 4-H VOLUNTEER IS TO CONNECT.

- Connect with your community
- Share your talents and knowledge with kids
- Network with other adults with similar interests

#### TO BE A 4-H VOLUNTEER IS TO SHARE.

- Share experiences that you will never forget
- Give back in a meaningful way
- Positively impact youth in your community

#### IN 4-H, YOUTH AND ADULTS CONNECT & SHARE.

- Make new friends
- Learn new skills
- Spend time together
- Develop hidden talents

### **RUTGERS**

New Jersey Agricultural Experiment Station

The role of a 4-H volunteer is to help youth feel they can BELONG, BELIEVE AND ACHIEVE.





### Connect Today, become a 4-H Volunteer!

For more information contact your county Rutgers Cooperative Extension office or visit us at www.nj4h.rutgers.edu

Like us on facebook at facebook.com/NewJersey4-H

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunity program provider and employer.

4-H 'Connect and Share' Poster 2 of 2.



#### TO BE A 4-H VOLUNTEER IS TO CONNECT.

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For more information contact your county Rutgers Cooperative Extension office or visit us at www.nj4h.rutgers.edu

Like us on facebook at facebook.com/NewJersey4-H

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## Office Of Communications

4-H 'Connect and Share' 4" x 9" Card



# Connect and Share

#### TO BE A 4-H VOLUNTEER IS TO CONNECT.

- Connect with kids and share your talents and knowledge.
- Network with other adults with similar interests.
- Build career experience.
- Choose a flexible schedule that fits your lifestyle.

#### TO BE A 4-H VOLUNTEER IS TO SHARE.

- Share experiences that you will never forget.
- Give back in a meaningful way.
- Share a spirit of generosity with others.
- Positively impact youth in your community.



The role of a 4-H volunteer is to help youth feel they can BELONG, BELIEVE AND ACHIEVE.



4-H 'Connect and Share' Postcard.



#### TO BE A 4-H VOLUNTEER IS TO CONNECT.

- Connect with your community
- Share your talents and knowledge with kids
- Network with other adults with similar interests

#### TO BE A 4-H VOLUNTEER IS TO SHARE.

- Share experiences that you will never forget
- Give back in a meaningful way
- Positively impact youth in your community



**Cumberland County** 

856-451-2800

**Essex County** 

973-353-1338



### **Connect Today!**

#### **RUTGERS COOPERATIVE EXTENSION OFFICES**

**Atlantic County** 609-625-0056 **Bergen County** 201-336-6785 **Burlington County** 609-265-5052 **Camden County** 856-216-7130

**Gloucester County** 856-307-6450 **Hudson County** 973-353-1338 **Cape May County Hunterdon County** 609-465-5115 908-788-1341

**Mercer County** 609-989-6833

**Middlesex County** 732-398-5261

**Monmouth County** 732-431-7260

**Morris County** 973-285-8300

**Ocean County** 732-349-1227

**Passaic County** 973-684-4786

Salem County

856-769-0090

**Somerset County** 908-526-6644

**Sussex County** 973-948-3040

**Union County** 908-654-9854

**Warren County** 908-475-6502

or visit us at nj4h.rutgers.edu

#### IN 4-H, YOUTH AND ADULTS **CONNECT AND SHARE:**

- Develop hidden talents
- Make new friends
- Learn new skills
- Spend time together

New Jersey Agricultural **Experiment Station** 

Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Experiment Station, is an equal opportunity program provider and employer.

Ag Field Day 'Lunch With the Dean' Flyer.



### **Ag Field Day**

Second Annual Let's Do Lunch With the Executive Dean!

### **Saturday, April 26 12-1:30**

With Executive Dean Bob Goodman

Calling all Ag, CAES, Cook and SEBS Alumni!
Come to the Ag Field Day Lunch with the Executive Dean at Cooper Dining Hall on the Cook/Douglass Campus Spouses/partners and your children are welcome!

Come meet classmates, friends, favorite faculty members, and students for a tasty barbecue, beer garden, music and camaraderie.

Weather permitting, the barbecue and tables will be set up outdoors so that all can enjoy the sunshine.

Bad weather? No problem – we'll enjoy the festivities inside charming Cooper Dining Hall.

The lunch is free, but you will need admission tickets, so registration by April 18 is required. Please visit tinyurl.com/ExecDeanLunch2014 to register.

See you on the 26th!

Questions? Contact Diana Orban Brown at orban@aesop.rutgers.edu or 848-932-4215.





'Community Day' Flyer.

# Cook/Douglass Campus Community Day 2013

September 17, 2013, 4:00 p.m. - 7:00 p.m. at Passion Puddle on Red Oak Lane

(rain date: September 19)



# For a Kindle Fire HD Tablet (student I.D. required, must be present to win)





t-shirt

(first come, first serve)

barbecue information booth giveaways and live music!

**RUTGERS** 

If you would like to reserve a table for your student club, visit: **ghcookcampus.rutgers.edu/communityday** 

'Community Day' Save the Date.





'Community Day' Tee Shirt.



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TGERS RUTGERS RUTGERS RUTGERS
S RUTGERS RUTGERS RUTGERS

'Community Day' 5 x 7" Recruitment Card, Design and Layout.

# Your student club is invited to participate at the

Cook/Douglass Campus

## Community Day 2013

September 17, 2013, 4:00 p.m. - 7:00 p.m. at Passion Puddle on Red Oak Lane

(rain date: September 19)



To reserve a table for your student club, contact Kristen Rumolo at

rumolo@aesop.rutgers.edu

For more information visit us at

ghcookcampus.rutgers.edu/communityday

RUTGERS

'Community Day' Signage, Design and Layout.

# RUTGERS



# Check-in Here to Win a Kindle Fire HD Tablet

Drawing Times:

4:30 P.M.

5:30 P.M.

6:30 P.M.

Must have a student ID and be present to win.

sponsored by: Offices of:

The Executive Dean of the School of Environmental

and Biological Sciences

The Executive Dean of the School of Arts and Sciences

The Dean of Mason Gross School of the Arts

The Dean of Students and the Cook Campus Dean

Community Day

'Community Day' It's Not to Late Flyer, Design and Layout.

# Your student club is invited to It's Not to participate at the

Cook/Douglass Campus

Community Day 2013

September 17, 2013, 4:00 p.m. - 7:00 p.m. at Passion Puddle on Red Oak Lane

(rain date: September 19)



To reserve a table for your student club, contact Mike Green at

green@aesop.rutgers.edu

For more information visit us at

ghcookcampus.rutgers.edu/communityday

**RUTGERS** 

Challenger Glider Mission Icon (unfinished).



Challenger Glider Mission







RUTGERS RUTGERS RUTC

# Office Of Communications

Marine and Coastal Sciences Hurricane Information Sheet.

#### **Rutgers Institute of Marine and Coastal Sciences**

### THE IMPACT OF OCEAN OBSERVATIONS ON HURRICANE INTENSITY FORECASTS: LESSONS LEARNED FROM IRENE AND SANDY

Scott Glenn, Oscar Schofield & Josh Kohut Rutgers Institute of Marine and Coastal Sciences







**THE NEED.** The stability of New Jersey beaches and the viability of our coastal communities were significantly challenged by the damaging hurricanes Irene and Sandy. The National Hurricane Center's list of costliest hurricanes in United States history ranks Sandy second at over \$60 billion and Irene eighth at over \$15 billion in damages. Despite the epic scale of these two storms, the loss of life was greatly minimized due to accurate forecasts of the tracks of the hurricanes days in advance. However, forecasts of hurricane intensity were less accurate, reducing the ability to proactively minimize damage.

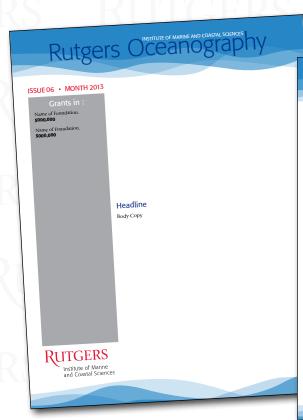
Rutgers Coastal Ocean Observation Laboratory (COOL) within the Institute of Marine and Coastal Sciences (IMCS) was able to accurately simulate Irene and Sandy's intensity as they slammed into New Jersey's coast. This was possible using an advanced and expansive array of ocean observing technologies from satellites that can measure ocean temperatures, high frequency shore radar that can measure the ocean surface currents, and autonomous underwater gliders that can measure the ocean's interior conditions. For Irene, the hurricane intensity was significantly over-predicted where for Sandy, the rapid acceleration and intense force just before landfall were under-predicted. Over-predicting Irene's intensity led to skepticism about storm surge warnings for Sandy. By under-predicting Sandy's intensity and storm surge, the result was insufficient preparation.

Twenty years of global atmospheric model development have significantly reduced errors in hurricane tracking forecasts but the predictive skill for hurricane intensity forecasts has remained essentially flat. The progress of IMCS' COOL action-oriented research on predicting hurricane intensity is providing insights into the oceans' influence on hurricane intensity.

**LESSONS LEARNED.** Here is a summary of what happened during Irene and Sandy. Summertime conditions in the Mid-Atlantic are much like a backyard swimming pool, with a warm water layer on top and a colder layer of water on the bottom.



Marine and Coastal Sciences Newsletter Template.



### Rutgers Oceanography

#### ISSUE 06 • JUNE 2013

RUTGERS Institute of Marine and Coastal Sciences



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Rutgers Oceanography
INSTITUTE OF MARINE AND COASTAL SCIENCES

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Horam, B. J. Englint, S. E. Hill, D. F., Kemp, A. C., Nikinina, D., Miller, K. G., Petier, R. W. 2013. Influence of tidal-schange and sollment compaction on Holocone relative soc-level change in New Jersey, USA. Journal of Quaternary Science 28(4): 403-411. DOI: 10.1002/jbj.2634.

'Essex County 4-H Sustainable Communities Sustainable Commons' Logo and Banner.





'4-H Connects Kids with Rutgers' Magnets.





Office of Community Engagement Event Invitation.

## **Big Ten Ag Alumni Reception**

Monday, March 3, 2014

6:00-8:00 PM

Washington, D.C.

#### **NEW!** National Press Club

529 14th St., NW Washington, D.C. 20045

(Metro Center stop-13th St. Exit)





Register online: bitly.com/bigten-ag

In the spirit of institutional cooperation, the Big Ten schools with agricultural programs are once again gathering our alumni and friends in the Washington, D.C. area for a special event—this year at a new location, the National Press Club! Now in its fourth year, the reception has been a great success with alumni and friends networking across institutions and enjoying one another's company. We are looking forward to seeing everyone again (and some new faces!).



Please join us for a reception and enjoy the fellowship of alumni and friends from the colleges of agricultural sciences and natural resources representing Michigan State University, The Ohio State University, The Pennsylvania State University, Purdue University, Rutgers University, University of Illinois, University of Maryland, University of Minnesota, University of Nebraska, and the University of Wisconsin. Reconnect with college deans, administrators, faculty, and staff from

your alma mater. Learn how our colleges are working cooperatively on behalf of land-grant institutions.

Cost is \$20 per person.

Heavy hors d'oeuvres and beverages

Register online by visiting bitly.com/bigten ag.

Registration deadline is February 24, 2014.

For questions or assistance, contact the Penn State College of Agricultural Sciences Alumni Office at 814-865-2717.

For directions, visit press.org/about/visit-us.

This publication is available in alternative media on request.

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We look forward to seeing you there!

Office of Community Engagement Guest Speaker Event Email Blast.

# You're Invited to

Jim Alampi, alumnus Rutgers School of Ag 1969 Former Mercer County 4 H Member

Author of:

Great To Excellent; It's the Execution!

Wednesday May 7, 2014 3:00 p.m.

Phillip Alampi Room Marine and Coastal Sciences Building

Jim Alampi is the eldest son of the late Phillip Alampi. His father instilled leadership skills in him and he has spent his career leading companies, from a \$325 million auto auction business (NASDAQ: IAAI) to a \$1.5 billion chemical distribution business (NYSE: UVX).

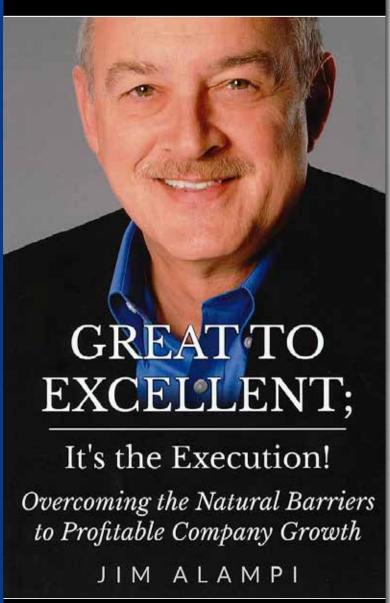
For the past twelve years he has helped entre preneurs in the areas of leadership, strategy and execution. He has been a director on 20 boards and has chaired four of them.

On May 7th, he is donating his time to present us with a faculty and staff professional development seminar to help us:

- overcome barriers
- set and execute critical priorities
- · remain focused
- create accountability
- create and communicate vision and goals

This seminar comes at a critical time for Rutgers and will address strategic planning to execute tactical bite size pieces.

Click Here to Register



School of Environmental

and Biological Sciences

Hurry space is limited!

RSVP by April 30.

Rutgers Dining Services, 'Connect to Success' Event Web Banners.





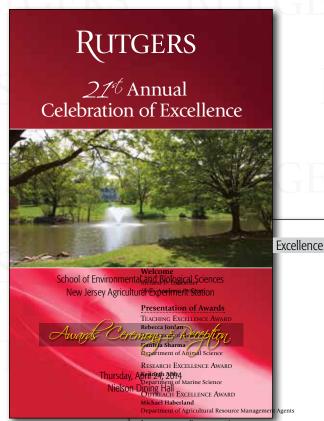
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'21st Annual Celebration of Excellence' Program



A Celebration of Excellence

#### Team Excellence Award Members

Philip Armstrong Connecticut Agricultural Experiment Station

Gary Clark

USDA-ARS, Gainesville

Tarvn Crepeau Monmouth County Mosquito Control

Peter DeChant

Ary Farajollahi

Dina Fonseca Center for Vector Biology

Kenn Fuijoka

San Gabriel Valley Mosquito Control, CA

STAFF EXCELLENCE AWARD Alison Cariveau
Department of Ecology, Evolution an

Phyllis Lepucki SEBS Office of Human Resources

TEAM EXCELLENCE AWARD

Asian Tiger Mosquito Project

Closing

Richard D. Ludescher

#### A Celebration of Excellence

Volusia County Mosquito Control, FL

Roger Nasci

Dominick Ninivaggi Suffolk County Mosquito Control

George O'Meara University of Florida

Charles Palmisano St. Tammany Parish Mosquito Control, LA

Mark Robson Department of Plant Science

Don Shepard Department of Entomology, Brandies University George Schoeler

Dan Strickman USDA-ARS, Beltsville

Mercer County Mosquito Control

Tropical Medicine, Tulane University

Greg Williams Hudson County Mosquito Control

John Worobey

Department of Nutritional Sciences

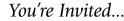
E. Zielenski-Gutierrez

SCHOOL OF ENVIRONMENTAL AND BIOLOGICAL SCIENCES NEW JERSEY AGRICULTURAL EXPERIMENT STATION





'Scholarship Appreciation Dinner' Invitation.





SCHOOL OF ENVIRONMENTAL AND BIOLOGICAL SCIENCES

### Scholarship Appreciation Dinner

November 4, 2013

**RUTGERS** 

# This year, your support enabled us to award \$690,000



to the students enrolled in the School of Environmental and Biological Sciences. For most students, your scholarship allows them to focus less on how to pay for college and more on excelling in their studies. It also allows our School to continue to attract and reward our best and brightest students, who we fully expect will do great things later in life with the knowledge and experience they've gained in our programs.

Please join us for this year's dinner and a brief program where you will meet and get to know our outstanding scholarship recipients.

We look forward to having you join us.

#### MONDAY, NOVEMBER 4, 2013

Trayes Hall, Douglass Campus Center (on the Cook/Douglass Campus)

100 George Street, New Brunswick, New Jersey 08901

5:00 – 6:00 p.m. Meet and Greet with students

and the School of Environmental and Biological Sciences faculty

6:00 – 7:00 p.m. Dinner 7:00 – 7:30 p.m. Program

Dinner Choices:

Chicken Breast with Apple Craisin Chutney

or

Pistachio Crusted Halibut

(Special dietary selections available by request.)

Please RSVP your attendance, along with your dinner choice, by October 21, 2013, by emailing Carden@aesop.rutgers.edu or by calling 848-932-3572.

# RUTGERS School of Environmen

and Biological Science

Department of Food Science Banner and Lawn Signs.























'Scholarship Appreciation Dinner' Program.



As Executive Dean of the School of Environmental and Biological Sciences, it is my privilege to interact with our students almost daily. These interactions reinforce to me how truly bright and engaged our students are. I am also constantly reminded of the extraordinary opportunities available to our graduate and undergraduate students alike to pursue research with world-class faculty. I applaud their hard work and dedication, especially in the highly com-petitive environment of a modern research university like

When our students graduate from the School, they are

When our students graduate from the School, they are poised to make significant and indelible marks on society. Armed with a Rutgers education that balances both classroom and practical, hands-on experience, many of these students are recognized for their scholastic and research achievements both locally and around the world. They are awarded prestigious fellowships to study abroad and internships right here at home that enable them to apply what they have already learned and reach to the next level. They are an impressive group of young people and I am pleased you have the chance to meet them tonight at this annual Scholarship Appreciation Dinner.

This year, more than \$690,000 in scholarship awards help make it possible for our students to give their full attention to learning and less time to worrying about how they will pay their tuition bills. I am proud that these students are mindful of the investment our donors have made in them and that they pursue their studies with

Your role as donors in supporting the educational endeavors of our students both here on campus and around the world is indispensable to this cycle of learning at Rutgers. Thank you so much for your generous giving to the School of Environmental and Biological Sciences and for your support of the promising young men and women who entrust their education and their futures to us.

Executive Dean of Agriculture and Natural Resources

Executive Dean of the School of Environmental and Biological Sciences Executive Director of the New Jersey Agricultural Experiment Station

#### Program

#### Reception

5:00-6:00

Dinner and Gro 6:00-8:00

#### Master of Ceren

Dr. Richard Ludescher Dean of Academic Prog Professor, Food Science

#### Welcoming Rem

Robert M. Goodman Executive Dean Rutgers

#### Donor Remarks

Professor Bonnie J. McC

#### Student Speaker

Jordan Foreman, 2014 Christopher Smith, 201





DOUGLASS CAMPUS CENTER School of Environmental and Biological Sciences

Jersey Roots, Global Reach

RUTGERS

**SCHOLARSHIP APPRECIATION DINNER 2013** 

STUDENTS: Abigail Cohen, Nicole Guzman, Tina Harrison, Rebecca Noah

#### Linda Rudolph Burns Memorial Scholarship

DONOR: Mr. Frank R. Burns

STUDENTS: Courtney Kaiser, Hannah Totoro, Alexis Uram

#### George M. Carman Prize in Lipids

DONORS: Dr. and Mrs. George Carman, Ms. Grace Hu, Dr. He Mu and

STUDENT: John Douglass

#### Dr. Kenneth and Mrs. Jane Charlesworth Endowed Scholarship in Teacher Education

DONORS: Dr. Kenneth and Mrs. Jane Charlesworth

### Dr. Kenneth and Mrs. Jane Charlesworth Endowed

DONORS: Dr. Kenneth and Mrs. Jane Charlesworth

STUDENT: Rahul Ghosal

#### Norman F. Childers Scholarship

DONORS: The Professor Norman F. Childers Family

#### Cipriano "Keeping It Green" Foundation Scholarship

DONOR: Mr. Christopher Cipriano

STUDENTS: Amy Brown, Ryan Daddio, Arturo Hernandez, Nathaniel Kelly

#### Cook Community Alumni Association Scholarship

DONORS: Cook Community Alumni Association, Mr. and Mrs. Roger Downey III, Mr. and Mrs. David Earl, David J. Singer, Esq., Mr. Lucas J. Visconti, Ms. Laurel Van Leer and Dr. Charles Weibel

STUDENTS: Sara Lepard, Madison Little, Christopher Smith, Rodney Valverde,

#### Daun Family Endowed Graduate Student Prize in Food Science

DONORS: Dr. and Mrs. Henryk Daun

STUDENT: Mingian Wang

#### Roy H. DeBoer Travel Prize in Landscape Architecture

DONORS: Professor Roy H. and Mrs. Joan DeBoer, Mr. and Mrs. David Earl,

STUDENTS: Rebecca Cook, Ben Granovsky, Gwen Heerschap, Jonathan Jack Peters

#### Dr. Richard T. Dewling Scholarship

DONOR: Dr. Richard T. Dewling STUDENTS: Kevin Geiger, Thomas Wang

#### Joseph DiConzo Memorial

DONOR: Mrs. Madeline DiConzo STUDENT: Oi Zhang

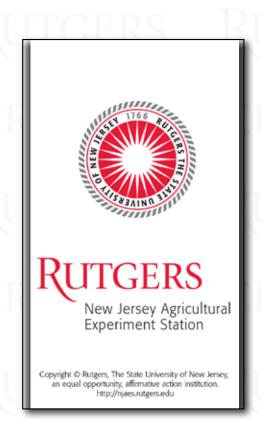
#### Kevin Dorko Memorial Award

DONORS: Mr. Paul A. Dorko, Mr. and Mrs. David Earl, Ms. Linda Hancox

STUDENTS: Ryan Goodstein, Gwen Heerschap

NJAES App Icon and Splash Screen.





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Email Banners.



Office of the Executive Dean of Agriculture and Natural Resources

Office of Alumni and Community Engagement

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Office of the Executive Dean of Agriculture and Natural Resources

# Office Of Communications

Portfolio of Work

SEBS and NJAES Email Banners.

New Jersey Agricultural Experiment Station • School of Environmental and Biological Sciences

The the Items

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Seminars

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