UNIVERSITY OF CONNECTICUT
Advance

Volume 27, No. 17
January 26, 2009

www.advance.uconn.edu

Photo by Peter Morenus

Students watch as Barack Obama takes the presidential oath of office on Jan. 20. The Student Union Theatre was one of a number of locations on campus that offered public screenings of the Inauguration.

Study pegs UConn's impact on state economy at $2.3 billion

A nine-month study by a state economist indicates that ongoing operations at the University of Connecticut and its Health Center added $2.3 billion to Connecticut's gross domestic product in fiscal year 2008.

The University also generates more than 29,000 jobs across the state and produces a net financial gain for the state of more than $76 million each year, the study found.

"For state residents, students, and employers alike, UConn serves as an advocate for excellence in teaching and learning, a repository of talent, and a creator of new knowledge," says UConn President Michael Hogan. "Collectively, these benefits uniquely position the University as the state's most viable generator of economic growth. More than ever before, UConn is a smart investment for driving innovation and stimulating economic development in the state of Connecticut."

Using Regional Economic Models Inc., a widely used structural economic model, Stanley McMillen, chief economist at the Connecticut Department of Economic and

see **UConn's economic impact** *page 8*

Genomics researcher named among handful at top of field

BY SCOTT BRINCKERHOFF

Xudong Yao, an assistant professor of chemistry in the College of Liberal Arts and Sciences, is being honored by *Genome Technology* magazine as one of the world's 30 top young investigators in the field of genomics and related sciences.

Yao, 43, was selected for innovative use of mass spectrometry in studying proteins associated with cystic fibrosis and cellular signal communication. The mass spectrometer – an instrument costing more than $500,000 – uses magnets and electrical fields to reveal distinct proteins in cellular material.

His work can be seen as the next step beyond the Human Genome Project, which cataloged all the genes in the human body. One of the achievements of that project was the discovery of particular genes that contribute to certain diseases, including cancer, a disease that also figures in Yao's work.

Protein interactions

Yao's science is called proteomics, a combination of the terms "protein" and "genomics." It relates to the cataloguing of proteins in human cells and the study of how they interact and the impact those interactions have on human health.

The title of a 2001 conference on proteomics, "Human Proteome Project: Genes Were Easy," underscores the challenge being undertaken by Yao and his colleagues. If the genome consists of 40,000 genes, the proteome is far harder to quantify and understand because cells modify proteins constantly, and a typical cell may make hundreds of thousands of identifiable proteins.

It is in this arena that Yao pursues proteins that may trigger two of the world's

see **Young investigator** *page 5*

Hogan calls on managers to work a day without pay

BY KAREN A. GRAVA

Responding to a request from Gov. M. Jodi Rell, President Michael Hogan has urged non-unionized managers at the University to work a day without pay.

The money saved will be returned to the State.

The governor has requested that all state agency managers voluntarily take one day off, without pay. It is estimated that the State could save approximately $1 million if all executives and managers participated by taking one day of unpaid leave under the voluntary schedule reduction program.

"It is important to our University and to the state's wellbeing that we all pitch in to help close the budget gap," said Hogan in an e-mail to UConn's 106 executive/administrative managerial employees. "Every action that we can take to help meet our fiscal responsibilities in this very challenging economic period is important. Thus, I invite you to join me in taking a day's leave without pay between now and March 1, 2009.

"I ask that in so doing every effort be made to minimize disruption of services to our students," he added. "Some of you have already indicated your willingness to volunteer to work the day without pay as your additional contribution to this effort. That is also my plan. Taking a day without pay will again demonstrate the strong commitment UConn and its managers have to the state."

The governor recently wrote to all state agency heads, including the presidents of the public colleges and universities, asking that executive and managerial employees voluntarily take one day of unpaid leave before March 1. Rell has already worked a day without pay.

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Photo by Jessica Tommaselli

Wendy Baier, a freshman marketing major, and Lynn Mraz, a freshman international business major, chat over a cup of coffee in the Wilbur Cross hallway.

New series on natural history of food showcases University faculty

by David Colberg

A new series of lectures, programs, and workshops on the natural history of food is being launched this semester by the Connecticut State Museum of Natural History and Connecticut Archaeology Center, part of the College of Liberal Arts and Sciences. The series will explore how physical and biological processes affect the way people eat, and how people's relationship to food shapes population distribution, technologies, politics, social interaction, and aesthetic expression.

"This series is an exciting opportunity to bring together many talented experts from the University of Connecticut and beyond," says Jeremy Teitelbaum, dean of the College of Liberal Arts and Sciences. "From the biological to the cultural, the multidisciplinary approach of the Natural History of Food series will showcase the University's scholarship and research."

Margaret Bruchac, assistant professor of anthropology and coordinator of the Native American Studies Program at the Avery Point campus, will talk about the wide-ranging impact the foods of the Americas have had since the first interactions between European explorers and Native American communities. Her program, Algonkian Indian Influences on Yankee Foodways, will be offered on Sunday, Feb. 1, at 3 p.m.

Alexia Smith, assistant professor of anthropology and a specialist in ecological anthropology, climate, and land use history, and the development of agriculture in the Near East, will discuss the beginnings of agriculture in the Middle East. Her lecture, Seeds, Glorious Seeds! Examining Food Use in Antiquity, will take place on Sunday, Feb. 8, at 3 p.m.

The University's ecology and evolutionary biology greenhouses have one of the most diverse teaching plant collections in the United States, including many connected to the food and medical industries. For the Natural History of Food series, a special guided greenhouse tour will provide the uncommon opportunity to see many foods, spices, and medicines in their pre-harvested and unprocessed forms as plants. The tour, Sugar and Spice and Chocolate, will be led by greenhouse staff on Saturday, Feb. 14, from 10 a.m. to noon.

Cameron Faustman, associate dean of the College of Agriculture and Natural Resources, will share and answer many of the meat-related questions his students have asked over the years including: What is head cheese? Why is it possible to buy summer sausage in the winter? and What makes American bacon so different from Canadian bacon? His presentation will provide insights into the world of meat and meat products. His lecture, Why is There a Bag in My Turkey? – Meat 101, will take place on Sunday, Feb. 22, at 3 p.m.

Rebecca Canfield, an assistant manager with the Department of Dining Services, coordinates the University's Local Routes program, which promotes the use of locally produced food. Canfield will speak about the effects our food purchases have on the economy, the environment, and the people and animals involved in food production. She will also discuss the Local Routes program and the importance of supporting local food producers, as well as sustainable methods of production. Her talk, What You Eat Can Make a Difference, will take place on Sunday, March 1, from 1 to 3 p.m.

UConn's Forestry and Wildlife Club, based in the College of Agriculture and Natural Resources, operates its own sugarhouse on the Storrs campus, and will offer a hands-on visit to the sugarhouse as part of the Natural History of Food series. The program, Maple Sugaring, will be led by Forestry Club members on Saturday, March 14, from 10 a.m. to noon.

Kevin McBride, associate professor of anthropology at UConn and director of research for the Mashantucket Pequot Museum and Research Center, will discuss how Native Americans from the New England area changed from gathering and hunting food to sophisticated agriculture practices. His lecture, The Maize Agricultural Revolution: Myth or Reality? will be offered on Sunday, March 15, at 3 p.m.

Meg Harper, director of the Public Archaeology Survey Team Inc., will discuss the seasonal acquisition, preparation, rituals, and consumption of food by Native Americans. Her workshop, Life Without a Supermarket – Native American Foodways, will take place on Sunday, March 29, from 1 to 3 p.m.

Russell Schimmer, a Ph.D. candidate in natural resources management and engineering, and a student at the UConn Law School, is using remote sensing techniques and satellite imagery to study the impact of human behaviors, such as war and genocide, on the environment and the availability of resources such as food. He will present some of his findings in his lecture, Genocide, Environment, and Agricultural Sustainability, on Sunday, April 5, at 3 p.m.

Cheryl Rautio, coordinator of the Expanded Food & Nutrition Education Program, part of UConn's Cooperative Extension System, and antique canning jar expert Cameron Boum will explore the cultural and environmental impact of canning: past, present, and future. Their program, Preserving Our Harvests, will be offered on Saturday, April 25, from 10 a.m. to noon.

For more information, check the Museum's events calendar at http://www.cac.uconn.edu/mnhcurrentcalendar.html or call 860.486.4460.

Workshops help promote respectful work environment

by Sherry Fisher

Efforts are underway to develop strategies to help promote civility and mutually respectful work environments at the University.

Two workshops on the topic have already been held.

The initiative grew out of conversations with employees from the clerical and maintenance unions, says Donna Munroe, associate vice president for human resources. "We were talking about harassment, employment issues, and general inappropriate behavior," she says. "We agreed that we needed to approach the issue from several different vantage points and institutionalize the effort."

A group called The Something's Happening Committee was formed, discussions ensued, and the first workshop was held last April for CEUI and AFSCME, the maintenance and clerical unions. The event was also sponsored by the Women's Center, the Department of Human Resources, the Office of Diversity and Equity, and the Office of Audit, Compliance, and Ethics. About 100 people attended.

Another workshop was recently presented for non-supervisory employees in UCPEA – the professional employees' union – that focused on civility in the workplace. The next workshop, for UCPEA supervisors, is set for Feb. 17.

The events offer employees information about workplace civility, including how to define illegal conduct that constitutes uncivil behavior – such as sexual harassment, and other behaviors that aren't illegal but are inappropriate and might violate standards of conduct and University policies, says Munroe. "We realized that employees needed more information about where they could go for help if they encountered uncivil behavior and what could be done about it. We want our work environment to be a positive and enjoyable place."

Bullying behavior is a form of uncivil behavior, she says. "That can manifest itself in subtle exclusions, insults, or stares. One event doesn't make a hostile work environment, but repeated behaviors of that nature are a form of workplace violence."

Munroe says civility issues aren't specific to one segment of the workforce: some faculty have also expressed concern. A poster campaign is underway that promotes a supportive, respectful, diverse, and ethical workplace.

"President Hogan has been very supportive of this initiative," Munroe says, noting that in addition to providing support for the poster campaign, he prepared a letter that is distributed to all attendees at employee orientation about his values and interest in supporting a respectful, civil work environment at the University.

Hogan rallies managers

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To date, UConn has ordered each of its departments to achieve 3.5 percent savings this year, as a result of a more than $12 million rescission in state support. Further cuts are anticipated in the next fiscal year, which begins July 1.

To help identify possible spending reductions and revenue enhancements, Hogan appointed a task force of faculty, staff, and administrators to study the situation and propose savings this spring.

The Costs, Operations & Revenue Efficiencies (CORE) Task Force is co-chaired by Richard Gray, vice president and chief financial officer; Barry Feldman, vice president and chief operations officer; and Peter Nicholls, executive vice president and provost.

By spring, the task force will issue a report identifying concrete avenues for cost-savings and revenue enhancements; estimating the amount of savings/revenues associated with each; suggesting a timeline over which those savings/revenues can reasonably be achieved; and outlining possible risks or disadvantages for the University and its constituencies.

University of Connecticut
Advance

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The *Advance* is published weekly during the academic year, except during breaks. It is distributed free to faculty, staff, and students at the University of Connecticut.
Published by University Communications, 34 North Eagleville Road, Storrs, CT 06269-3144.
Phone: 860.486.3530.
Periodical permit (ISSN 0746-3170, USPS 703-730) at Storrs, CT.
POSTMASTER: Send address changes to the *Advance* at the above address.
Advance website: http://www.advance.uconn.edu
E-mail: advance@uconn.edu

New online site connects colleagues for carpooling to Storrs campus

Photo by Peter Morenus

From left Helen Mesi of Catering Services, Karen Logan of the School of Pharmacy, Lynn Zayachkiwsky of the President's Office, and Laura Webb of the Alumni Association, carpool to campus from a commuter lot in Bolton.

by Richard Veilleux

Two years ago, Scott Nixon, a web developer in the Department of Human Resources, decided to join forces with a friend and carpool to work from Plainville, about an hour's drive from Storrs.

Both Nixon and his colleague saved money just as gas prices were beginning to soar, and the partnership gave each of them somebody to talk to during the ride.

Why not create a University-wide web site that would allow others to do what he did, thought Nixon.

And so the Carpool Tool, which celebrates its second anniversary this month, was born.

The list, accessible at www.hr.uconn.edu, is secure and requires a NetID and UConn password. Names can be searched by state, county, or town.

"The simplicity of the Carpool Tool is what makes it successful," says Nixon. "People enter their name, hometown, and either an e-mail address or a phone number. When they see somebody on the list that lives nearby, all they have to do is contact them and set it up."

The effort is paying off. A number of faculty and staff signed on almost immediately, and each time an announcement or reminder about the site is made, more people sign up. There are 268 people currently listed on the site, and Nixon says dozens more have joined for a while, removing their names when they found a passenger.

The carpooling is also making a dent in the University's carbon footprint: according to the Office of Environmental Policy, commuters account for 8.26 percent of the University's total greenhouse gas inventory at the Storrs campus.

Luke Rogers, an assistant professor of mathematics who lives in New Haven, is one of those now driving to work with a passenger.

"It's certainly working out well financially," Rogers says. "I have a very reliable carpool partner, and I really enjoy our conversations. We tell stories about our families, trade recipes, discuss books, and swap news from our respective parts of campus. You could say that carpooling let me trade my wasted hours in traffic for time spent with a new friend."

Lynn Zayachkiwsky, assistant to President Michael Hogan, has been carpooling from Bolton since before UConn's service began, but when Carpool Tool was announced, she and her carpool partner, Laura Webb, a business manager for the Alumni Association, put their names on UConn's tool in hopes of expanding their pool. They did: three more people signed on almost immediately.

"There are inconveniences to carpooling," she says. "We don't have reserved parking, we each pay full parking fees, and it takes us longer to get off campus because of the multiple pick-ups. But in spite of that, we make it work for the sake of the environment, the wear and tear on our cars, meeting new people, and to keep down traffic on campus."

Zayachkiwsky says she hopes the University will offer incentives in the future, such as buses between the commuter lots at highway exits and the UConn campus, to encourage more people to carpool.

Barry Feldman, chief operating officer, says the University has, indeed, been looking into ways to promote car pooling, but budget constraints are limiting what can be done.

"We've had conversations with Connecticut Transit about operating some sort of park and ride, but it was difficult to determine how to make it operate effectively," he says. "It was also clear that it would be very expensive and the University would have to subsidize it to make it work."

The administration is encouraging people to carpool, however, and continues to examine ways to make carpooling easier, Feldman adds.

Karen Logan, marketing and events coordinator in the School of Pharmacy, says that working around the schedules of others in her carpool has extended her workday, but she likes the fact that carpooling is a green activity.

Logan has been able to reduce the number of times she drives to Storrs from her home in Manchester by 75 percent – a tremendous savings in gas, oil, and wear and tear on her car.

Webb, one of Zayachkiwsky's partners, suggests adding another category to the Carpool Tool website so people can list the hours they work. That would weed out a lot of unnecessary communications, she says.

Nixon says he welcomes suggestions for improving the site.

Pappanikou Center receives grant to train disability specialists

by Carolyn Pennington

The University of Connecticut A.J. Pappanikou Center for Excellence in Developmental Disabilities has been awarded a federal LEND grant to address the critical shortage of trained personnel to serve individuals on the autism spectrum.

LEND (Leadership Education in Neurodevelopmental and Related Disabilities) is a training program for professionals aimed at improving the health of infants, children, and adolescents with developmental and other disabilities, including autism spectrum disorders.

The LEND grants are funded by the Bureau of Maternal and Child Health in the Department of Health and Human Services through the Combating Autism Act of 2006.

UConn is one of four universities to receive the grant, along with the universities of Arkansas, Colorado, and Illinois.

"The hallmark of the program at UConn is the collaboration of many schools at the University and community groups as well," says Mary Beth Bruder, program director of the Pappanikou Center, which is based at the Health Center.

The Connecticut LEND pulls together experts from across the campus in education, social work, medicine, nursing, law, communication sciences, audiology, public health, and community medicine, among others.

Bruder says the program also ensures that families and youth are included, through partnerships with organizations such as Family Voices, the Down Syndrome Congress, Kids as Self Advocates, and autism parent groups.

"We are very pleased to see UConn take this step toward providing more qualified professionals to serve our family members," says Laura Glomb, parent of a 20-year-old adult with a developmental disability.

"We are all thrilled to have this opportunity," says Ashley Loria, a master's level speech and language student who is one of the 11 fellows selected for training in the program this year.

"I'm looking forward to learning about interdisciplinary service models," adds Kaitlyn Gagne, another speech and language fellow.

The other fellows this year are Susan Kelleher and Meredith Fetch in audiology, Kathleen O'Mahoney and Ken Cunningham in social work, Tashonna Webster and Heather Miller Kuhaneck in public health, Agnes Nalepa and Jennifer Shanaman in nursing, and Emily Hayden in education.

With this collaboration, the program will provide graduate education, postgraduate education, and training for state agencies, community providers, and youth.

Bruder says the program aims to embed family and youth faculty into instruction; to implement webcasts for families and professionals in the community; and to ensure that trainees observe and participate in interdisciplinary service models.

According to the Centers for Disease Control and Prevention, the prevalence of autism has increased dramatically over the past 10 years, now affecting one in every 150 children.

George Jesien, executive director of the Association of University Centers on Disabilities says, "These new programs will add significantly to our nation's response to the needs of children with autism and other developmental disabilities and their families.

"The interdisciplinary training young professionals will receive as a result of these funds is some of the best preparation found anywhere in the world," Jesien continues. "We would expect many to become our future leading researchers, clinicians, and service providers in the field."

The UConn LEND grant provides $1.5 million over the next three years. This supplements an existing grant to the Center from the Administration on Developmental Disabilities of the U.S. Department of Health and Human Services, which was recently renewed with $2.75 million for the next five years.

The UConn Center for Excellence in Developmental Disabilities, established in 1985, is committed to improving the lives of individuals with disabilities and their families.

The Center provides model programs in innovative research, training, and technical assistance guided by a belief in natural individualized supports, inclusion, self-determination, and collaboration with like-minded organizations.

Health Center program uses holistic approach to ease pain

BY MAUREEN MCGUIRE

A new initiative is underway at the John Dempsey Hospital to meet the physical, emotional, psychological, and spiritual needs of patients who are seriously ill or coping with persistent pain.

The Pain and Palliative Care Program is a consultation service led by Nancy Baccaro, a nurse practitioner who also sees patients in the Carole and Ray Neag Comprehensive Cancer Center, working with a team of experts from areas including nursing, case management, social work, and pastoral care.

The program was introduced in stages throughout the hospital. It began last fall on the fourth, sixth, and seventh floors, and within months, evolved into a hospital-wide service.

Here's how it works. Healthcare providers identify patients who would benefit from the service. Patients are then assessed by Baccaro, who brings in other members of the team as needed.

"Patients included are usually those experiencing difficulty with pain and symptom control due to an advancing illness," Baccaro says. "We recognize that there are many factors that contribute to pain and suffering, and not all are physical. We provide a holistic approach to help patients address a wide range of issues."

She says the team typically meets by the bedside with patients and families to discuss goals from all perspectives. "This helps to facilitate comprehensive communication with the healthcare team. At times, issues such as advance directives and the potential transition of the patient to hospice care are considered."

Baccaro describes palliative care as a process: "This program is about identifying concerns and addressing them honestly, directly, and with the hope for the best possible outcome. We help patients and families set realistic goals and remember that there is always hope for a good day and regained control. Fear of the unknown can be the worst kind of pain or suffering."

According to the Center to Advance Palliative Care, more than half of U.S. hospitals now offer palliative care programs, thanks to a rapid increase in such programs over the past several years. In 2001, there were 600 palliative care programs in hospitals around the nation. Now there are more than 2,500.

In addition, national accreditation organizations such as the American College of Surgeons and the Joint Commission, are taking a closer look at how hospitals provide palliative care services.

Baccaro says it is especially important that university hospitals, like the Health Center, introduce medical students to the individualized approach of palliative care. "For our medical students and nursing students who are training at the Health Center, this service illustrates how health care providers can address issues related to pain and other symptoms that seriously and significantly impact a patient's quality of life."

She says she is often asked to describe this new service. "Sometimes it's as easy as asking patients and their families, 'What can I do to give you a better day?' and then just listening."

PHOTO SUPPLIED BY THE UCONN HEALTH CENTER

Nancy Baccaro, an advanced practice registered nurse, heads the Pain and Palliative Care Program at John Dempsey Hospital.

Cell biologist honored for membrane protein research

BY CINDY WEISS

Debra A. Kendall, Board of Trustees Distinguished Professor of Molecular and Cell Biology and associate dean of the College of Liberal Arts and Sciences, has been elected a fellow of the American Association for the Advancement of Science (AAAS).

The AAAS is the world's largest general scientific society. It is the publisher of the journal Science.

Kendall's research focuses on cellular activities that take place at the cell membrane, an area of study that has grown rapidly in the past decade, as scientists learn how information is transmitted from outside to inside the cell. That information can determine how drugs and therapeutic treatments are designed.

She was cited by the AAAS "for distinguished contributions to the field of membrane protein biochemistry, particularly for advances in protein transport and signal transduction systems."

Developing new strategies

Her large research program at UConn is funded primarily by the National Institutes of Health (NIH). She has received 24 years of uninterrupted funding from the NIH, and last year brought in $3 million in research grants to UConn. She also has been the recipient of a National Science Foundation Career Advancement Award.

She collaborates widely with other researchers at UConn, Yale, Dartmouth, and in the Netherlands and France.

"The research questions have demanded that we develop new approaches, new techniques, new strategies," she says. "I've been extraordinarily fortunate to have good collaborators. We help each other out in all sorts of ways."

One of the challenges of her research in a fast-moving area is developing strategies to study the proteins that she is interested in. Membrane proteins are not water soluble, as are most proteins. Most research methodologies were developed for water-soluble proteins.

In recent years, when scientists began to realize that the cell membrane was far more than just a barrier, new techniques have been sought to study the biological activities that take place at the membrane.

Potential applications

Membrane proteins are critical in cell-to-cell communication and to the selective passage of material and information. They act as "sensors" of what is outside the cell, transferring that information inside, and they are the primary site of contact for infection and for secretions of the immune system that fight infection.

They are also often targets for therapeutic agents, or drugs. They can bind specifically to therapeutic agents, reducing side effects.

In one current project, Kendall and her research group study the cannabinoid receptor, a membrane protein found in the cells of the human nervous system.

While most receptors are inactive until a compound binds to them, the cannabinoid receptor is slightly active even in the absence of a binding compound. Researchers have been able to manipulate it to be either more active or inactive.

Kendall says a French drug company has developed a compound to inactivate it, leading to inhibition of appetite and obsessive behaviors such as smoking and drinking alcohol.

Her research group is studying the shape, structure, and stability of the receptor in both active and inactive forms. Ultimately, this will help in developing therapeutic agents that can bind to the protein and take advantage of its characteristics.

Kendall is an editor for the Public Library of Science (PLoS) and recently completed a term on the editorial board of the *Journal of Biological Chemistry*. She is a regular reviewer for NIH.

A graduate of Smith College in biochemistry, she received her Ph.D. from Northwestern University, followed by postdoctoral study at Rockefeller University.

She has taught at UConn since 1989 and has been active in mentoring minority students and young women beginning their science careers. A former chair of the University Senate Executive Committee, she is currently an associate dean of CLAS.

To hear a podcast of Kendall talking about her research, go to http://www.clas.uconn.edu/facultysnapshots/podcasts/kendall.mp3

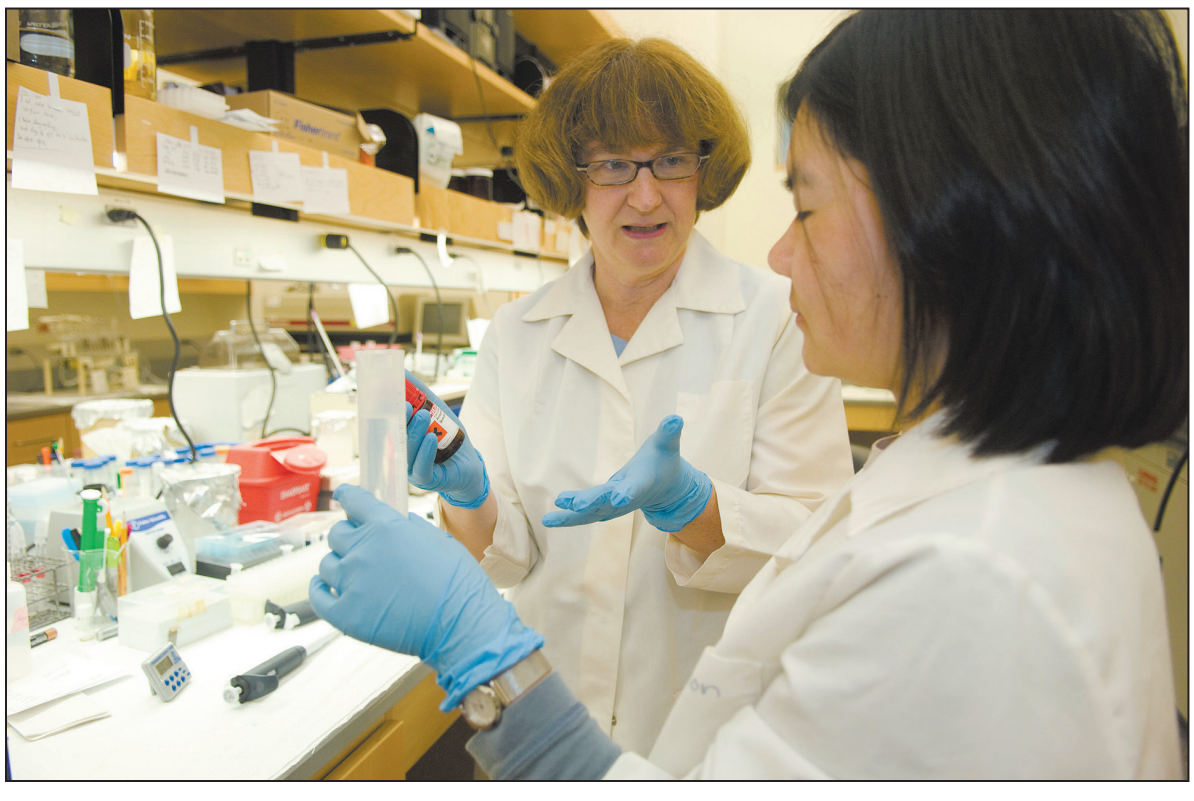


PHOTO BY DANIEL BUTTREY

Debra Kendall, left, Board of Trustees Distinguished Professor of Molecular and Cell Biology, in her lab with former research assistant, Mingxia Zhang.

Law professor one of nation's leading experts on subprime lending

BY MICHAEL KIRK

When Patricia McCoy was a law professor in Cleveland, Ohio in the 1990s, each day she drove through a neighborhood called Hough that was changing before her eyes. Once stricken by poverty and riots and long-sullied by empty storefronts and ramshackle homes, it began undergoing a transformation, thanks to new public and private investment in the area. Uninhabitable homes were being razed, new buildings were under construction, and businesses were opening.

"There was a real sense of pride in the neighborhood," says McCoy, now a professor at the UConn Law School and a specialist in banking and securities regulation.

But before long, she began hearing reports that some of these new homes were already in foreclosure – only a short time after new residents bought them.

"I wondered why a lender would make a loan to somebody who was so likely to go into foreclosure," she recalls. "I started to fear that the turnaround was fragile."

She suspected there was a double standard when it came to lending: while the more affluent were offered legitimate loans, poorer people were being offered predatory terms many did not fully understand and could not afford.

"I saw that there was a very serious issue regarding how banking affected ordinary people, particularly those of modest means," she says. "My Cleveland colleague, Kathleen Engel, and I were disturbed and felt we had to get to the bottom of subprime lending, beginning in late 1999 and 2000."

While she did not predict the global enormity of its implications, she knew that sort of risky lending spelled trouble down the road.

What McCoy was seeing was the beginnings of the subprime lending crisis that would eventually lead to the collapse of the U.S. economy and world financial markets in the fall of 2008.

Campaign adviser

McCoy is now regarded as one of the nation's leading legal experts on the subprime crisis and has been sought out for analysis by publications like *The Wall Street Journal* and *The Economist*.

She was also one of the experts advising the presidential campaign of Barack Obama, and has continued to advise the transition team on current and emerging issues and policy options to deal with them.

"We were encouraged to have a diversity of ideas and a very vigorous debate," she says.

Roots of the problem

McCoy believes the crisis was far from unforeseeable. She says it was very clear from the data that the problems she saw in Cleveland were happening elsewhere. At that time, however, the subprime market was relatively small. Subprime loans mushroomed between 2003 and 2007. What went from being highly risky in 2003 snowballed in the next five years to being totally unsustainable, she says.

McCoy identifies two main sources of blame: "One consists of lenders and Wall Street: Wall Street manufactured artificial demand for subprime loans because investors could make a high rate of return, and lenders slashed their underwriting standards to provide the volume of loans that Wall Street wanted."

She says the second source of blame is the federal government.

Although Congress severely deregulated mortgages in the 1980s, federal regulators still had a lot of tools at their disposal to stop lax underwriting, she says. "They knew what was going on in '05 and failed to stop it."

She says part of the reason may be that banks are essentially allowed to shop around for their own regulators, and agencies would soft-pedal their regulations to keep the banks from going elsewhere.

The Federal Reserve System – one of the entities now scrambling to keep the U.S. economy afloat – also bears responsibility, she says: "With the Fed, it was ideological. The big expansion of subprime lending happened under Alan Greenspan, who felt boom-and-bust economies led to greater growth."

McCoy saw this up close: from 2002 until 2004, she served on the Consumer Advisory Council of the Federal Reserve Board of Governors, and chaired the Council's Consumer Credit Committee.

"I was able to observe first hand the vacillation of the Fed about what to do with subprime loans," she says. Despite protracted discussions with the Fed's staff and governors, she adds, "it was very difficult to get any movement."

Evaluating the response

McCoy is generally supportive of the response the Treasury Department and Congress have taken to the crisis. She believes the management of the federal bailout – known as TARP (Troubled Assets Relief Program) – has been highly problematic, but it has also been important: in order for banks to start lending again, they needed to have higher capital.

She is disappointed that the portion of TARP designed to buy troubled assets has not worked.

"We have a huge number of distressed borrowers, our foreclosure rates continue to spiral upwards, and that's going to get worse unless we get serious about providing realistic relief," she says. "That's going to require a radical government law that abrogates mortgage or servicing contracts."

She's not sure whether Congress has the stomach for that. But some relief may be in sight with a proposal in Congress to allow bankruptcy judges to cut the principal on distressed debtors' home loans.

For the future, McCoy sees room for "modest optimism," but rates the odds that the economy will improve rather than slide deeper into recession or depression because of the housing crisis at only 50-50.

"Until we stop having so many foreclosed houses dumped on the market, prices will continue to drop," she says. "If we can salvage more homeowners, the housing market will bottom out and start to go up again."

Together with Kathleen Engel, her longtime co-author, McCoy is writing a book on the crisis for Oxford University Press. She has also worked with UConn economics professor Stephen Ross on subprime research.

She is now focused on finding ways to address the massive flaws that the housing crisis has exposed in the U.S. financial, economic, and regulatory systems.

PHOTO SUPPLIED BY THE SCHOOL OF LAW

Patricia McCoy, George J. and Helen M. England Professor of Law.

Young investigator *continued from page 1*

dreaded diseases. His success may ultimately lead to new and more effective drugs.

His postdoctoral adviser at the University of Maryland, Catherine Fenselau, explains proteomics like this:

"Proteomics is the post-genomic science that examines many proteins at once to tell us how the genome's blueprint is being implemented in cell biology. In addition to increasing our fundamental understanding of cellular function, we expect to recognize changes in proteins that provide semaphores for diseases and for responses to therapeutics. Rapid and sensitive characterization of such protein biomarkers will augment traditional medical diagnostics and pathology."

She adds, "Professor Yao is one of the most outstanding young scientists currently contributing new methods to the new frontier of proteomics. He brings to his UConn students experience in a proteomic start-up company, experience in a mid-sized biotechnology company, [and] great energy and skill in laboratory research."

To decipher the content and message of a single cell, Yao works at the molecular level. He inserts a tiny amount of a protein material from both healthy and diseased people into the mass spectrometry instrument, a box that includes a vacuum chamber, electrical charges, and the ability to cause the material being investigated to become a gas. Once converted and charged, the material is weighed as part of the identification process, difficult though the concept of weighing something invisible to the naked eye may be. The process takes a few hours or as long as a full day; at the end, Yao studies the result in the form of a two-dimensional visual image called a mass spectrum. The process, consisting of many separate "events" in the mass spectrometry device, produces thousands of images.

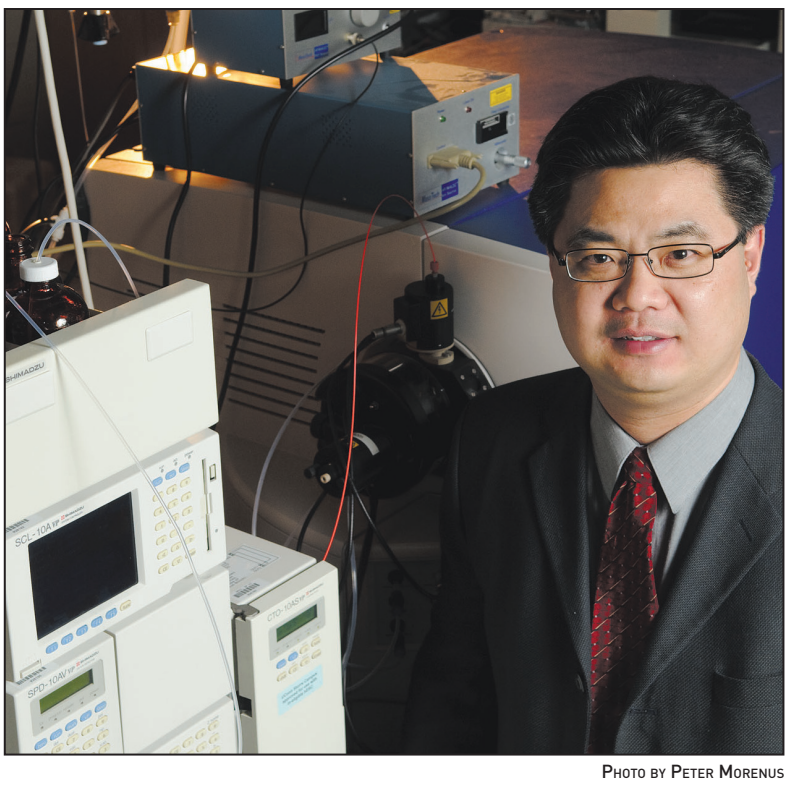


PHOTO BY PETER MORENUS

Xudong Yao, assistant professor of chemistry, in his lab.

Yao is being honored by *Genome Technology* in part for the methods he is introducing for studying large numbers of fragments of proteins called peptides. Their mass spectrometry analysis is a cornerstone of proteomics.

A Eureka moment

Asked if he has experienced what is often called a "eureka moment," in which vexing issues suddenly become clear, Yao laughs.

"My most recent one was in early January," he says. "For six months, I'd been thinking about a design for a new reagent (a chemical used to introduce a reference point into a sample being analyzed). I was writing about something totally unrelated when it came to me. I believe it will work, and we will be able to patent it."

He anticipates this type of reagent will be a valuable new tool for proteomics, especially its newest areas of study, which will include the engineering of stem cells as therapeutics for such human diseases as cystic fibrosis.

Yao collaborates with colleagues in the colleges of liberal arts and sciences and agriculture and the School of Medicine. Much of his research is funded by the Cystic Fibrosis Foundation and the American Cancer Society.

He also teaches classes in how to separate materials for analysis and the use of mass spectrometry.

"Yao's path-breaking work in mass spectrometry is one outstanding example of how the basic research being carried out in the science laboratories of the College of Liberal Arts and Sciences yields practical benefits," says Jeremy Teitelbaum, dean of the college.

Yao's career includes a foray into the world of pharmaceutical companies. He graduated from Nanjing University in China with a degree in polymer chemistry, earned a Ph.D. at the University of Maryland Baltimore County, and did postdoctoral training in mass spectrometry and proteomics. He then entered industry, working for companies in Switzerland and the U.S.

While industry had its benefits – the Swiss company had a roomful of mass spectrometers – Yao missed pure science and was pleased to find a home at UConn, where he can pursue fundamental benefits that chemistry can produce.

Photo by Peter Morenus

Horses feed outdoors on a snowy morning near the Arthur L. Lorentzon Stables.

GRANTS

The following grants were received through the UConn Health Center's Office of Grants and Contracts in September 2008. The list represents new awards as well as continuations. The list of grants is supplied to the *Advance* by the Office of Grants and Contracts.

Principal Investigator	Department	Sponsor	Amount	Award Period
Federal Grants				
Cherniack, M.	Medicine	Centers for Disease Control & Prevention	$642,090	09/08-08/09
Aging, Musculoskeletal Disorders and Work Capacity				
Cone, R.	Immunology	Nat'l. Eye Institute	$290,080	09/07-08/09
Ocular Regulation of Autoimmunity				
Conti, L.	Psychiatry	Nat'l. Institute on Alcohol Abuse & Alcoholism	$175,750	09/07-08/09
Effect of CRF1 Receptor Genotype and Stress on Anxiety and Alcohol Endophenotypes				
Ferris, A.	Center for Public Health	U.S. Dept. of Agriculture	$986,225	07/08-06/11
Effectiveness of an IMB (Intervention, Motivation, Behavioral) Based Intervention for Reducing Sweetened Consumption in Preschool Children				
Jaffe, L.	Cell Biology	Nat'l. Institute of Child Health & Human Development	$304,300	09/08-08/09
Signal Transduction at Fertilization				
Lalla, R.	Oral Health & Diagnostic Sciences	Nat'l. Institute of Dental & Craniofacial Research	$131,582	09/05-08/09
Cox-2 Inhibition in Radiation-Induced Oral Mucositis				
LeFrancois, L.	Immunology	Nat'l. Institute of Allergy & Infectious Diseases	$181,485	09/07-08/09
CD8 T-Cell Response to Influenza Virus Infection				
Liang, B.	Pat & Jim Calhoun Cardiology Center	U.S. Army	$50,000	08/08-08/09
Collaborative Research to Explore the Efficacy of a Commercially-available Drug in Protecting Skeletal Muscle from Injury				
Peluso, J.	Cell Biology	Nat'l. Institute of Child Health & Human Development	$308,210	09/07-08/09
Pair BP & PGRMC1 Act as a Membrane Receptor Complex to Mediate P4's Ovarian Action				
Rowe, D.	Reconstructive Sciences	Nat'l. Institute of Arthritis & Musculoskeletal & Skin Diseases	$311,836	09/07-08/09
Adult Stem Cells: Osteoblast Differentiation and Engraftment				
Rowe, D.	Reconstructive Sciences	Nat'l. Institute of Arthritis & Musculoskeletal & Skin Diseases	$195,360	08/08-05/09
GFP (Green Fluorescent Protein) Reporters for the Chondrocyte Lineage				
Trestman, R.	Medicine	Nat'l. Institute of Mental Health	$389,848	02/08-01/10
Mental Health Research Infrastructure in Corrections				
Wang, Z.	Neuroscience	Nat'l. Institute of General Medical Sciences	$296,000	09/08-08/09
Regulation of Gap Junctions by Stomatin-like Proteins				
Private Grants				
Bonkovsky, H.	Medicine	Univ. of Massachusetts	$172,633	05/05-04/09
Hepatitis C Clinical Trial				
Brenner, B.	Surgery	Nat'l. Surgical Adjuvant Breast & Bowel Project	$5,100	06/95-05/09
NSABP Breast Cancer Prevention Trial HHS P5400-5425				
Caron, J.	Cell Biology	Lea's Foundation for Leukemia Research Inc.	$38,000	07/99-07/09
Discovery of a New Form of Tubulin Protein				
Ferrer, F.	Pediatrics	Conn. Children's Medical Center	$25,000	09/06-08/09
Sphingolipid Signaling in Wilms' Tumor Cells				
Fortinsky, R.	Center on Aging	Alzheimer's Association	$86,922	06/07-05/09
Information and Help Seeking Experiences Among Hispanic Family Caregivers				
Graveley, B.	Genetics & Developmental Biology	Univ. of California at Berkeley	$202,104	04/07-03/09
Comprehensive Characterization of the Drosophila Transcriptome				
Loew, L.	Center for Cell Analysis	Univ. of Virginia	$215,198	08/08-07/09
Cell Migration Consortium				
Mayer, B.	Genetics & Developmental Biology	Yale Univ.	$35,840	01/08-12/08
Study of WNT Signaling in Bone Biology				
Mukherji, B.	Medicine	Univ. of California at Los Angeles	$26,000	07/07-06/08
Genetic Engineering of the Human Immune System				
Petry, N.	Psychiatry	Yale Univ.	$381,855	07/07-06/09
Psychotherapy Development Research Center				
Schaff, J.	Center for Cell Analysis	Calif. Institute of Technology	$71,854	07/08-06/09
Computational Tools for Rule-Based Modeling of Biochemical Systems				
Srivastava, P.	Immunology	Lea's Foundation for Leukemia Research Inc.	$15,000	09/99-12/08
Treatment of Indolent B-Cell Lymphoma and CLL Patients (HSP70)				
Steinberg, K.	Psychiatry	Children's Trust Fund Council	$206,000	07/08-06/09
Nurturing Families Program				
Tanev, K.	Psychiatry	Univ. of Rochester	$12,625	07/05-06/09
Cooperative Huntington's Observational Research Trial				
Ungemack, J.	Ethel Donaghue TRIPP Center	Village for Families & Children Inc.	$27,156	03/07-09/09
Evaluation of the Village for Families & Children OAPP Grant				
State Grants				
Ferris, A.	Medicine	UConn-Storrs	$25,433	10/07-09/08
Husky Reads				
Robison, J.	Center on Aging	Conn. Commission on Aging	$5,000	12/06-06/09
Long Term Care Needs Assessment				

The following grants were received through the UConn Health Center's Office of Grants and Contracts in October 2008. The list represents new grants as well as continuations. The list of grants is supplied to the *Advance* by the Office of Grants and Contracts. Additional grants received in October will be published in a future issue.

Principal Investigator	Department	Sponsor	Amount	Award Period
Federal Grants				
Covault, J.	Psychiatry	Nat'l. Institute on Alcohol Abuse & Alcoholism	$110,834	07/06-06/09
Pharmacogenetics of Alcohol: Treatment Implications				
Fong, G.	Center for Vascular Biology	Nat'l. Institute of Child Health & Human Development	$217,560	09/07-08/09
A Novel Technology to Generate Conditionally Inactivated Alleles in Mice				
Laurencin, C.	Orthopedics	Nat'l. Institute of Biomedical Imaging & Bioengineering	$347,853	06/08-05/09
Novel Biodegradable Materials for Tissue Engineering				
Laurencin, C.	Orthopedics	Nat'l. Institute of Arthritis & Musculoskeletal & Skin Diseases	$265,303	09/08-07/09
Polymer/Ceramic Composites for Tissue Engineering				
LeFrancois, L.	Immunology	Nat'l. Institute of Allergy & Infectious Diseases	$370,000	09/08-08/09
Role of IL-15 in CD8 T Cell Development and Response				
Liang, B.	The Pat & Jim Calhoun Cardiology Center	U.S. Army	$50,000	08/08-08/09
Collaborative Research to Explore the Efficacy of a Commercially-available Drug in Protecting Skeletal Muscle from Injury				
Lowe, L.	Center for Cell Analysis	Nat'l. Center for Research Resources	$265,129	08/08-07/09
Polarity in Networks and Pathways				
Mains, R.	Neuroscience	Nat'l. Institute on Drug Abuse	$328,680	09/08-06/09
Dissecting the Role of One Neuronal RhoGEF Amongst Many: The Kalirin-7 Null Mouse				
Mina, M.	Craniofacial Sciences	Nat'l. Institute of Dental & Craniofacial Research	$344,658	07/06-06/09
Analysis of GFP Transgenes in Odontoblast Differentiation				
Schensul, S.	Community Medicine & Health	Nat'l. Institute of Mental Health	$627,556	09/07-08/09
The Prevention of HIV/STI Among Married Women in Urban India				
Shelton, D.	Medicine	U.S. Department of Justice	$50,706	09/08-09/09
An Evaluation of Start Now Skills training for inmates				
White, W.	The Pat & Jim Calhoun Cardiology Center	Nat'l. Institute on Drug Abuse	$578,462	09/08-07/09
Contingency Management for Initiating Smoking Abstinence				

CALENDAR Monday, January 26, to Monday, February 2

Items for the weekly *Advance* Calendar are downloaded from the University's online Events Calendar. Please enter your Calendar items at: http://events.uconn.edu/ Items must be in the database by 4 p.m. on Monday for inclusion in the issue published the following Monday.
Note: The next Calendar will include events taking place from Monday, Feb. 2 through Monday, Feb. 9. Those items must be in the database by 4 p.m. on Monday, Jan. 26.
If you need special accommodations to participate in events, call 860-486-2943 (Storrs), or 860-679-3563 (Farmington), or 860-570-5130 (Law School).

Academics

Monday, 1/26 – Last day to file petitions for course credit by examination.
Monday, 2/2 – Courses dropped after this date will have a "W" for withdrawal recorded on the academic record.
Monday, 2/2 – Last day to add/drop courses without additional signatures.
Monday, 2/2 – Last day to place courses on pass/fail.
Monday, 2/2 – Add/drop via the Student Administration System closes.

Libraries

Homer Babbidge Library. Monday-Thursday, 7:30 a.m.-2 a.m.; Friday, 7:30 a.m.-10 p.m.; Saturday, 10 a.m.-10 p.m.; Sunday, 10 a.m.-2 a.m.
Dodd Center. Monday, 10 a.m.-7 p.m.; Tuesday-Friday, 10 a.m.-4 p.m.; Saturday, noon-4 p.m.; closed Sunday.
Pharmacy Library. Monday-Thursday, 8:30 a.m.-10 p.m.; Friday, 8:30 a.m.-4:30 p.m.; Saturday, 10 a.m.-5 p.m.; Sunday, 1-9 p.m.
Music & Dramatic Arts Library. Monday-Thursday, 9 a.m.-10 p.m.; Friday, 9 a.m.-5 p.m.; Saturday, noon-5 p.m.; Sunday, noon-10 p.m.
Health Center Library. Monday-Thursday, 7 a.m.-11 p.m.; Friday, 7 a.m.-7 p.m.; Saturday, 9 a.m.-5 p.m.; Sunday, noon-10 p.m.
Law Library. Monday-Thursday, 8 a.m.-11 p.m.; Friday, 8 a.m.-9 p.m.; Saturday, 9 a.m.-5 p.m.; Sunday, 1-9 p.m.
Avery Point Campus Library. Monday-Thursday, 8:30 a.m.-7 p.m.; Friday, 8:30 a.m.-5 p.m.; closed weekends.
Greater Hartford Campus Library. Monday-Thursday, 9 a.m.-9 p.m.; Friday & Saturday, 10 a.m.-5 p.m.; closed Sunday.
Stamford Campus Library. Monday-Thursday, 8 a.m.-9 p.m.; Friday, 8:30 a.m.-4 p.m.; Saturday, 11 a.m.-4 p.m.; closed Sunday
Torrington Campus Library. Monday-Thursday, 9:30 a.m.-6:30 p.m.; closed Friday-Sunday.
Waterbury Campus Library. Monday-Thursday, 8:30 a.m.-7 p.m.; Friday, 9 a.m.-4 p.m.; closed weekends.

University ITS

Help Desk: Call 860-486-4357, Monday-Friday, 8 a.m.-5 p.m.

Photo by David Bergman

Mochrie & Sherwood, stars of the TV show *Whose Line Is It Anyway?* will perform at Jorgensen Center for the Performing Arts on Jan. 30 & 31.

Ph.D. Defenses

Friday, 1/23 – Pharmaceutics. *Impact of Stabilizer and Thermal History on the Storage Stability of Freeze-Dried Pharmaceuticals*, by Bingquan Wang (adv.: Pikal). 10:30 a.m., Dean's Conference Room, Pharmacy/Biology Building.

Meetings

Tuesday, 1/27 – Board of Trustees. 1 p.m., South Campus.
Monday, 2/2 – University Senate. 4 p.m., Room 7, Bishop Center.

Lectures & Seminars

Tuesday, 1/27 – Coastal Perspectives Lecture. "Invasions and the Coast," by Robert Whitlatch and Nancy Balcom. 7 p.m., Room 103, Marine Sciences Building, Avery Point Campus.
Wednesday, 1/28 – Stem Cell Seminar. "Evidence that Totipotent Human Blastomeres are under Unique Cell Cycle Control," by Ann Kiessling, Harvard Institute of Medicine. 10:30 a.m., Room CG076, Henry B.C. Low M.D. Learning Center, Health Center. Live video at Storrs, Room 109, Advanced Technology Laboratory.
Thursday, 1/29 – Comparative Pathology Seminar. "Prions: Where are the Weapons of Mass Destruction?" by Laura Manuelidis, Yale University. 11 a.m., Room A001, Atwater Laboratory.
Thursday, 1/29 – Martin Luther King Panel Discussion. "The First African American President: Has the Dream Been Achieved?" 1:30 p.m., Gen Re Auditorium, Stamford Campus.
Friday, 1/30 – Foreign Policy Seminar. "Success and Failures of the International Campaign to Abolish Torture, 1967-1984," by Barbara Keyes, University of Melbourne. 4 p.m., Wood Hall Basement Lounge.
Friday, 1/30 – Physics Colloquium. "Cosmology and Accelerated Expansion of the Universe: The Quantum Mechanical Perspective," by Lorenzo Sorbo, University of Massachussetts. 4 p.m., Room P38, Gant Science Complex.
Monday, 2/2 – Stamford Faculty Colloquium. "All Shall Be Well: The Mystic Vision of Julian of Norwich," by Frederick Roden. Noon, GE Global Classroom, Stamford Campus.

Exhibits

Monday, 2/2 through Friday, 4/17 – Contemporary Art Galleries. *The Super City.* Monday-Friday, 8:30 a.m.-4:30 p.m., Fine Arts Building. Free admission.
Through Sunday, 2/8 – The Ballard Institute & Museum of Puppetry. *Puppets Through the Lens,* puppets in film, television, and the Internet, from the 1930s to the present. 6 Bourne Place, Depot Campus. Open weekdays and weekends by appointment. Contact Stefano Brancato, 860-486-0339. Suggested donation $3 adults, $2 children.
Through mid-February – Jorgensen Gallery. *We're Always Looking, But Not Always Seeing,* photographs by Robert Thiesfield. Monday-Friday, 11 a.m.-4 p.m.
Through Sunday, 2/22 – Alexey von Schlippe Gallery. *The Veil: Visible and Invisible Spaces,* 30 works in three categories: The Sacred Veil, The Sensuous Veil, and the Sociopolitical Veil. Wednesday-Sunday, noon-4 p.m. Members and students free, all others $3 donation. Avery Point Campus. Opening reception Friday, 1/30, 6 p.m.
Through Friday, 3/6 – Benton Museum. *¡Merengue! Visual Rhythms/Ritmos Visuales*, paintings, works on paper, photographs, sculpture, video, and popular graphics that span the 20th century; *Yuyanapaq: To Remember,* photographs from Peru; *Rhythms in Design,* exhibition highlighting music in the visual arts. Tuesday-Friday, 10 a.m.-4:30 p.m.; Saturday & Sunday, 1-4:30 p.m.
Through Friday, 3/6 – Babbidge Library. *An Accidental Artist,* hooked rugs by Lida Skilton Ives, Gallery on the Plaza; *Familiar Terrain*, prints by Joan Jacobson-Zamore, Stevens Gallery. For hours see Libraries section.
Through Friday, 3/6 – Dodd Center. *Charles Darwin, 1809-1882, the Legacy of a Naturalist.* For hours, see Libraries section.
Through Wednesday, 4/15 – Health Center. *Art as a Healing Process,* pastels by Rozanne Hauser, and *Moments in Time,* pastels by James Sheehy. Daily, 8 a.m.-9 p.m., Celeste LeWitt Gallery.
Ongoing – State Museum of Natural History & Connecticut Archaeology Center. *Human's Nature: Looking Closer at the Relationships between People and the Environment.* Tuesday-Saturday, 10 a.m.-4 p.m.; Sunday & Monday, closed. Free admission, donations welcome.

Performing Arts

Friday, 1/30 & Saturday, 1/31 – Comedy Show. *An Evening with Colin Mochrie & Brad Sherwood.* Admission: $34, $38, $45. 8 p.m., Jorgensen Center for the Performing Arts. For tickets call the box office: 860-486-4226.

Athletics

Monday, 1/26 – Women's Basketball vs. Louisville. 7:30 p.m., Gampel Pavilion.
Friday, 1/30 – Men's Ice Hockey vs. Holy Cross. 7:05 p.m., Freitas Ice Forum.
Saturday, 1/31 – Men's Basketball vs. Providence. 4 p.m., Gampel Pavilion.
Saturday, 1/31 - Men's Ice Hockey vs. Holy Cross. 7:05 p.m., Freitas Ice Forum.
Sunday, 2/1 – Women's Ice Hockey vs. Providence. 1 p.m., Freitas Ice Forum.

Potpourri

Monday, 1/26 – Reflection on the Mumbai Attacks. Program honoring those who died in the attacks on Mumbai two months ago. 6:30 p.m., Student Union Theatre.
Wednesday, 1/28 – Martin Luther King Jr. Panel Discussion. Faculty panel will discuss how young people can make a difference, as they did during the Civil Rights Movement. Moderated by Dana McGee. 4 p.m., Student Union Theatre.

Family Studies emeritus professor Clyde Jones dies

by Sherry Fisher

Clyde Jones, an emeritus professor of family studies, died Dec. 28. He was 85.

A resident of the Mansfield Center for Nursing and Rehabilitation, Jones joined the UConn faculty in 1961. He specialized in early childhood education in the arts, and was active in related state, regional, and national associations. He retired in 1985.

Born in Cobbleskill, N.Y., he served in the U.S. Army during World War II and earned his bachelor's and master's degrees from Syracuse University. He earned an Ed.D. degree from Pennsylvania State University, and taught at Edinboro State College in Pennsylvania before coming to UConn.

Duwayne Keller, an emeritus professor of family studies and a longtime friend and colleague, says Jones was instrumental in helping build the department in its early years. "He made many valuable contributions," Keller says.

Jones's area of expertise was in creativity, focusing on young children, says Keller. "His point of view was that creative expression must be allowed to come from within, and be encouraged to come from within. He believed that the freedom, satisfaction, and enjoyment of the process are much more important than the product, and championed this position. It became one of the foundations of our early childhood program."

Norman Stevens, former director of University Libraries, says Jones donated a "small, but choice" collection of children's books to the Northeast Children's Literature Collection at the Thomas J. Dodd Research Center when he moved from his home in Storrs Heights to the Mansfield Center for Nursing and Rehabilitation.

Stevens says Jones also donated many boxes of University materials that he had saved along with his personal papers, to the University Archives.

Jones was an accomplished artist. He had a number of one-man shows, and also exhibited in group shows. During his travels, he often sketched buildings and scenes, and was known for his delicate pencil drawings. He used his sketches for his Christmas cards up until the time of his death.

Jones is survived by two sisters, and their husbands and children.

Contributions to the Clyde A. Jones Scholarship Fund may be made payable to the UConn Foundation Inc., with Clyde A. Jones Scholarship Fund in the memo line, and sent to the UConn Foundation, 2390 Alumni Drive, Unit 3206, Storrs, CT 06269-3206. Contributions may also be made to the Mansfield Center for Nursing and Rehabilitation.

Ag student wins competition to help prepare Superbowl turf

BY DAVID BAUMAN

During the last week of January, UConn student Kyle Carney's skills will be under the scrutiny of the National Football League's grounds crew at Raymond James Stadium in Tampa, Fla.

Carney, a second-year student in the Turfgrass Science Program in the College of Agriculture and Natural Resources, recently won the 2008 Toro Super Bowl Sports Turf Training Scholarship, and is working for a week with top NFL turf professionals to prepare the game field and practice facilities for Super Bowl XLIII on Feb. 1.

"It's an unbelievable opportunity," says Carney, who was selected over 35 other applicants from the U.S. and Canada.

The Minnesota-based international turf maintenance equipment company Toro collaborates with the Super Bowl grounds team to provide this training opportunity for "an emerging sports turf professional." The scholarship program covers all travel expenses for the winner.

Carney has a B.A. degree in economics, and worked for five years on the grounds crew of the Boston Red Sox's Pawtucket (Rhode Island) minor league baseball team. He enrolled in UConn's turfgrass program in 2007, and hopes to pursue a career in the professional sports turf industry.

At Storrs he has worked with UConn's athletics grounds department tending soccer, football, and lacrosse fields and honing his skills in pesticide and fertilizer applications, field renovation, topdressing, aeration, overseeding, mowing, and irrigation techniques. He has also worked as an intern on the grounds crew for the Washington Nationals baseball team.

Jason Henderson, an assistant professor of plant science who specializes in turfgrass management, says Carney "has developed a love for turfgrass management and goes at it 110 percent. The Toro scholarship is a phenomenal accomplishment."

The scholarship competition requires entrants to detail their work experience and write a 500-word essay describing their immediate career goals. In his essay Carney, who hopes to work as a full-time assistant groundskeeper for the Pawtucket Red Sox after graduating this spring, shared his plans to develop a summer internship turfgrass management program for New England high school and college students, beginning this summer.

As part of his application, he also produced a booklet with photographs describing how he created a mini 20-foot by 20-foot NFL field in his parents' back yard, using a hand-drawn stencil to create a painted Super Bowl XLIII logo.

PHOTO SUPPLIED BY JASON CARNEY

Jason Carney, a student in the turfgrass program, created a mini NFL field on his parents' lawn as part of a scholarship application.

UConn's economic impact

continued from page 1

PHOTO SUPPLIED

Law professors Geoffrey Dellenbaugh and Hillary Greene at the Intellectual Property and Entrepreneurship Law Clinic.

Community Development, found that for every state dollar allocated to UConn, including the Health Center, $5.05 is added to the state's Gross Domestic Product (GDP). He also wrote that Connecticut businesses experienced $3.2 billion in new sales as a result of ongoing operations at the UConn campuses.

Additionally, he says, as a result of the University's operations, the state ultimately realizes $76 million more in tax revenues than it spends to fund the University and its Health Center.

"The University overall is a very significant operation," says McMillen. "It employs a lot of people and creates an educated workforce for Connecticut businesses and state government. There's a ready source of highly talented people coming out of this system, and they're all the type of people this state needs."

McMillen found that:

• UConn receives total state support of $456 million and, as a result of that support, attracts an additional $713.5 million for the state's economy;

• Connecticut's businesses experience $3.2 billion in new sales as a result of ongoing operations at the University;

• More than 29,000 jobs are generated in the state by the University;

• Nearly 70 percent of UConn graduates remain in Connecticut, contributing to the state's knowledge-based workforce and economy;

• More than two-thirds of Connecticut residents said in a recent survey that a strong UConn is vital to the future of the state's economy;

• The University received nearly $200 million in sponsored grants in 2008, including more than $92 million for biomedical research at the Health Center.

A report produced by UConn's Office of University Communications in conjunction with the study outlines the myriad ways the University is vital to the state's well being, including partnerships with state businesses; legal assistance to innovators and help creating entrepreneurial businesses; the training of doctors, dentists, engineers, and teachers; and bringing new businesses to life through faculty research and by offering entrepreneurs incubator space where they can hone their products and bring them to market.

The report also documents UConn's contributions to the quality of life of Connecticut's citizens, offering examples that illustrate the varied forms of those contributions – through research and innovation; by protecting people's health and the environment; through outreach that supports cities and towns; by promoting the arts and culture through theaters and museums; and by building state pride through the Husky athletic teams.

"Institutions of higher education, and particularly public research universities, are uniquely positioned to assist their states and our nation as a whole in driving economic innovation and growth," says Hogan. "This report substantiates why UConn is a sound and necessary investment in the future of our citizens and our state."

The full report and fast facts are available at www.uconn.edu/uconnomy. The contents of the report will be presented in this and subsequent issues of the Advance.

The first section discusses UConn's partnerships with businesses.

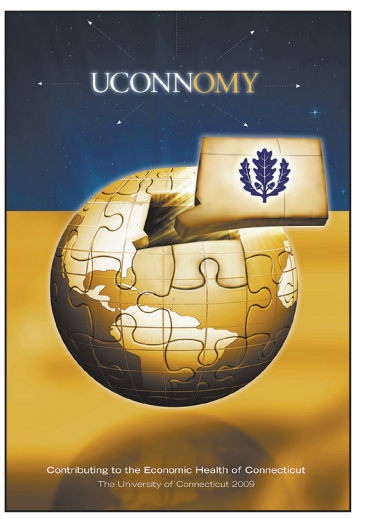
Businesses form the foundation of the state's economy, the report says: "UConn fortifies this business community by teaming up with innovative partners to help pioneer new products and build more viable businesses. Major corporations join forces with the University to solve industry problems. High-tech firms enjoy access to lab facilities. Even emerging companies turn to UConn for advice on legal issues. Through these mutually beneficial collaborations, business owners, UConn faculty, and students are coming together to raise Connecticut's competitiveness to an unprecedented level."

Some examples highlighted in the report are:

• the Intellectual Property and Entrepreneurship Law Clinic, where UConn law students offer legal assistance to new companies. Since the clinic opened in 2007, students have advised about 80 Connecticut clients on patent licensing, employee confidentiality, and other issues. The U.S. Patent and Trade Office selected this clinic as one of six nationally to participate in a pilot program allowing law students, supervised by law school faculty, to practice intellectual property law before the Patent and Trade Office.

• a collaboration between faculty at the UConn Health Center School of Dental Medicine led by Martin Freilich, a professor of oral rehabilitation, biomaterials and skeletal development, and Straumann AG, a global leader in implant dentistry, to develop new technologies for growing new bone around dental implants. The collaboration is moving toward human clinical trials for permanent tooth replacement.

• the SS&C Technologies Financial Accelerator in downtown Hartford, where business leaders come together with faculty and students to develop profitable responses to insurance and financial services industry opportunities. Participating corporate partners receive fresh insights regarding such current business issues as evaluating emerging technologies, reducing costs, and increasing revenues, while also developing a pipeline of highly skilled future employees.



The UConnomy report.

• the Eminent Faculty Initiative in Sustainable Energy, which helps in the quest for promising energy alternatives. Established in 2007, the initiative is a partnership between UConn, the state, the Connecticut Clean Energy Fund, and industrial partners FuelCell Energy, the Northeast Utilities Foundation, and UTC Power.

"The Initiative forms a nexus for advanced research, education, and training in renewable, low-CO2 impact energy, including fuel cells, biofuels, and other sustainable technologies," the report states. Energy research is centered around the Connecticut Global Fuel Cell Center, which enjoys multimillion-dollar federal and state grants to conduct visionary research with industry partners.

• the Connecticut Center for Entrepreneurship and Innovation, located in East Hartford within the UConn School of Business, which supports new business development by assisting new and existing companies in solving complex business problems. The program includes the Innovation Accelerator, in which project teams comprising graduate students, faculty, and business owners assist high-tech entrepreneurial ventures in addressing challenges associated with identifying and capturing business opportunities.

• UConn's Technology Incubation Program, which helps new high-tech entrepreneurial companies move ideas forward, turning research findings into viable products and businesses.