Alternative energy research receives state, industry funding

BY MICHAEL RICK

Three leading state energy companies have contributed a total of more than $2 million for a new alternative energy research initiative to be based at UConn.

The funding was announced by UConn officials and state Senate President Pro Tempore Donald E. Williams at a press conference at the state capitol on Sept. 18.

Securing these funds also triggered the release of a further $2 million pledged by the state for the University’s eminent faculty program, a public-private partnership backed by the legislature.

The combined state funding and industry match will allow the School of Engineering to recruit world-class researchers and additional faculty members who have expertise in the area of fuel cells and other forms of sustainable energy. The School will use the funding not only to pioneer new energy technologies, but also to create a training ground for those who will be part of the energy workforce and entrepreneurs, fostering innovative spin-off opportunities.

The donating companies are FuelCell Energy of Danbury, the Northeast Utilities Foundation, and UTC Power of South Windsor.

“Connecticut has a rare opportunity to provide national leadership in the development of viable, sustainable, and environmentally sound energy alternatives, including fuel cells and biofuels,” said University President Michael J. Hogan. “We will do this as part of a focused partnership between the University, the state, and industry.”

The initiative began with the passage of a bill, “An Act Concerning Jobs for the 21st Century,” by the state General Assembly in 2006. A provision of the bill charged the University’s Board of Trustees with developing a program to attract world-renowned faculty members to the University in a research area deemed strategically important.

University Provost Peter J. Nicholls invited competitive proposals from across campus and awarded the first eminent faculty position to the School of Engineering to address the critical area of sustainable energy.

Research equipment grant competition announced

BY ELIZABETH OMARA-OTUNNU

A grant competition of $2 million for the purchase of research equipment was announced recently by Provost Peter J. Nicholls.

Researchers are invited to submit proposals by Oct. 31. The awards are expected to be announced by Nov. 15.

“This competition is intended to strengthen the research capabilities of the University,” says Suman Singha, vice provost for academic administration.

The funds were made available by reallocations in the Provost’s Office, combined with a $1 million match from the Office of the Vice President and Chief Financial Officer. In future years, the money will be used for new faculty hires, but since those faculty members will not join the University until fall 2008, $2 million is available during the current academic year on a one-time basis.

“The Provost’s Office decided that one-time funds of this magnitude could have the most impact through the purchase of research equipment,” says Singh. “We have not had this type of money available for equipment before, and we hope it will give faculty leverage in securing external funding.”

The funds will be restricted to the purchase of major items of equipment or arrays – clusters of equipment that function in tandem – costing in the six figures. The money may be used to purchase equipment for proposed research activities or to replace existing equipment that is out-of-date.

“Funding agencies look at the University’s research capabilities,” adds Singh. “We have excellent faculty. Having the equipment that’s needed will enable us to be more competitive in securing research funding.”

Proposals are invited from groups of researchers.

“We wanted to have maximum impact on programs at the University, not just on individuals,” says Gregory Anderson, vice provost for research and dean of the graduate school. “We hope to provide the opportunity for a group or groups of people to add a piece of equipment they feel is critical to moving their research to the next stage, or update equipment that will allow them to be more productive and competitive in their research and publications.”

The money will be awarded through an open competition, with proposals evaluated by a six-member faculty committee drawn from the life sciences and physical sciences and from across the schools and colleges.

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Late last year, the General Assembly established a permanent line item of $2 million annually to support the eminent faculty initiative at UConn, contingent upon the University securing an equivalent amount from industry. “This collaboration between the state legislature and the University of Connecticut represents the best we have to offer: a commitment to creating and maintaining our competitive advantage in cutting-edge technologies, and a huge investment in the research and development of energy-efficient fuel cells, of which Connecticut is a global leader,” said Williams. He noted that 15 percent of fuel cell employees around the world are located in the state.

The initiative is expected to help Connecticut meet Gov. M. Jodi Rell’s goal to reduce fossil fuel consumption by 20 percent and replace it with clean or renewable energy sources by 2020.

Raymond Necci, president and chief operating officer of The Connecticut Light & Power Co. (CL&P) and Yankee Gas, said, “When we received the proposal from the School of Engineering, we immediately knew it fit perfectly with Northeast Utilities Foundation’s strategic three areas for investment – economic development, workforce development, and environmental stewardship. “By enabling the field’s brightest minds to teach at UConn, we hope to attract a class of promising young engineers,” he said.

UConn’s School of Engineering has a number of energy-focused units, including the Connecticut Global Fuel Cell Center and the Biofuels Consortium, whose scope of research and development activities will complement the broader mission of the sustainable energy initiative. Both entities work closely with Connecticut’s energy industry. “We are indebted to our partners for their vision and sense of purpose,” said Provost Nichols. “These organizations are pushing energy innovation in new directions. With their support, the eminent faculty initiative in sustainable energy at UConn will propel Connecticut and the University to the forefront of sustainable energy development and industry, while fostering a visionary green energy economy.”

Erling Smith, interim dean of engineering, said the School will launch a national search for a scholar of international stature who will effectively leverage and expand the University’s research and development activities in sustainable energies, including fuel cells, biofuels, and photovoltaics. The School expects to hire several additional senior faculty members and support staff to complement ongoing activities in the area of alternative energy.

Nan Cooper contributed to this article.

Honorary degree nominations sought

The University’s Board of Trustees’ Honors and Awards Committee is seeking nominations for commencement speakers and honorary degree recipients for Commencement ceremonies in December 2007 and May 2008.

The Board’s criteria state, in part, that an honorary degree should be conferred “in recognition of extraordinary and lasting distinction (and) should represent the highest intellectual and moral values (of individuals) whose lives and achievements serve as examples of the University’s aspirations for its students.”

Nominations may be submitted by anyone of the faculty, staff, student body, alumni, or community. An individual may not nominate himself or herself. Nominations must be submitted by Oct. 12.

For a complete statement of honorary degree criteria, nomination forms, and further information, please call Caroline McCall in the Office of the President at 860-486-2337 or send e-mail to Caroline.McCall@uconn.edu.
Women’s studies has new director

As a child growing up in India, Manisha Desai was destined to pursue a career in medicine.

"There were two paths, she says. "If you were a good student and you were a boy and did well, you became an engineer. It was a very gendered view of careers."

But her interest in the medical field waned as she became involved in the women’s movement. "I decided that people were more interesting than microbes," she says. Desai joined the UConn faculty this semester as director of women’s studies.

Desai moved into the field of social work during the late 70s and early 80s, schools of social work "were the hotbed of radicalism in India," she says. "That’s where all interesting work in community organizing and social movements was happening. It was my coming of age in politics."

She earned a master’s degree in social work in 1982 at Bombay University and won a fellowship to pursue a doctorate at Washington University in St. Louis.

But finding the social work program there "not as radical as the ones in India," she switched to sociology. Her dissertation focused on the women’s movement in India, and her passion has remained the areas of gender and social movements and social change.

"I worked on my dissertation when the women’s movement was becoming more transnational," she says. "Women’s movements all around the world were becoming more connected. I’m interested in these connections, as well as the similarities and differences."

For the past 10 years, her work has focused on transnational feminism and how globalization has shaped and affected women’s movements around the world.

Desai is an associate professor of sociology at Hobart and William Smith Colleges from 1990 to 2002. In 2004, she was a program specialist at UNESCO, where she worked on gender strategy for the social and human science sector. She was also an associate professor of sociology and associate director of the program in South Asia and Middle Eastern Studies at the University of Illinois at Urbana-Champaign.

Desai’s appointment at UConn is the first time the director of women’s studies has been a full-time position.

"I’m very excited to be here," she says. "The Women’s Studies Program here is strong."

The program has some 50 majors and 50 minors, and about 40 courses are taught each semester. A graduate certificate is also offered.

"Women’s studies in the U.S. have become much more intersectional," she says. "They are linked with racial inequality, sexual inequality, and so on. The fact that the University has a variety of institutes and cultural centers makes it intellectually and politically a very exciting place."

Desai would like the University to offer a master’s and Ph.D. in women’s studies. "There could be multidisciplinary degrees in social justice offered with other institutes and centers on campus," she says. She plans to build on the program, and "bridge the connection between the academic world and the real world."

"Women’s studies emerged out of the women’s movement," she says. "I plan to keep the program strong, and maintain that vibrant connection to the community and towards gender justice."

Desai co-edited a book, Women’s Activism and Globalization: Linking Local Struggles and Transnational Politics, with UConn sociology professor Nancy Naples.

Another book, Rethinking Globalization: Gender and the Politics of Possibilities, is due out this spring.

Professor Emerita boosts Irish Studies program

A new online system for processing changes in students’ grades reduces the amount of paperwork and eliminates the requirement for multiple signatures.

"The grade change system has been set up very nicely to be virtually seamless," says David R. Miller, associate head of the psychology department. "The instructor changes a grade and explains why... and copies instantly go off to the registrar, to wherever in the department has been designated as the point person for such copies, and the student. It’s fast, easy, and efficient."

The final batch of grade changes from the spring arrived electronically at the registrar’s office last week. Sept. 17 was the deadline for students to make up exams or incompletes from the spring semester.

"I knew by mid-May, hundreds of grade changes through, when taken together they would reach a critical mass before arriving in the registrar’s office."

As associate head of department, Miller has served as a dean’s designee.

"In days when I had to approve grade changes on paper for psychology faculty, it was in the ballpark of 40 each semester," he says. "That's on top of the grade changes he would have to make as a faculty member for some of the hundreds of students he teaches."

"I think it's a major plus," Shea says. "In the days when I had to approve grade changes on paper for psychology faculty, it was in the ballpark of 40 each semester," he says. That's on top of the grade changes he would have to make as a faculty member for some of the hundreds of students he teaches.

"It’s a developing program, and I thought that was where the money could be put to good use. This was also a way to honor my grandfather. My goal is to help anybody who could use the money to further their education," she adds.

"I’m a strong believer in the power of education. And my ultimate goal is to have the program develop into an Irish studies program," Shea says.

"I think it’s a major plus," Shea adds. "It helps us recruit competitively with the top institutions featuring Irish Studies."
Orthopaedic surgeon offers new procedure for knee repair

Orthopaedic surgeon offers new procedure for knee repair

By Chris DeFrancesco
Dr. Robert Arciero, chief of the sports medicine division in the Department of Orthopaedic Surgery at the UConn Health Center, is one of a handful of orthopaedic surgeons in the country offering a new procedure for repairing the knee’s anterior cruciate ligament (ACL), called “double-bundle” reconstruction.

It’s a procedure that has been analyzed and compared with traditional ACL surgery in Arciero’s lab. The traditional ACL repair, which surgeons have used for about 20 years, involves attaching a single graft to the thigh bone and shin bone. In most cases, this prevents abnormal shifting of the knee, enabling the patient to walk again and, in most cases, eventually resume athletic activity without pain.

The double-bundle repair involves a second graft through a second tunnel between the bones, and better replicates the function of a natural ligament.

“If we can get a graft that behaves like the normal one, then we have a much better chance of having that knee remain stable throughout the patient’s lifetime, and maybe protecting the knee from further damage,” Arciero says.

In Arciero’s lab, researchers have measured the biomechanics of the ACL, comparing the normal ACL to a typical single-bundle reconstruction, and then measured it with double-bundle reconstruction. They found that with the double-bundle reconstruction, the knee behaves more like the normal knee.

A potential added benefit for patients who undergo double-bundle reconstruction is that they may be less susceptible to arthritis in the surgically repaired knee. That’s something scientists will need to watch as double-bundle patients age, Arciero says.

“If we can more closely replicate the normal knee, then at 20 or 30 years down the line, the knee will look like a normal knee, or, like it should,” he says.

Translating science into therapies that can benefit patients is a growing emphasis in medical research, and it’s an area where the Health Center’s New England Musculoskeletal Institute excels.

“If you are going to move new therapies from the bench to the bedside, you need to have interaction between the scientists, who are developing new ideas and concepts and are working on them, and the surgeons who are going to implement them,” says Dr. Jay Lieberman, director of the Musculoskeletal Institute.

The double-bundle ACL repair is one of the recent breakthrough procedures that has been analyzed in the Institute’s research labs. The Institute, one of the Health Center’s signature programs, is a consortium of services that includes orthopaedic surgery (sports medicine, joint replacement, foot and ankle, hand, and bone oncology), as well as centers for comprehensive spine care, rheumatology, osteoporosis, and dental implants.

The analysis of ACL repair surgery is an example of translational research.

“First, they evaluate the repair in the biomechanics lab, next they practiced the procedure in our bioskills laboratory, and now they are doing it clinically on patients,” says Lieberman.

“Our ultimate goal with our basic science research is to develop new therapies for patients,” adds Lieberman, a total joint replacement surgeon who is also chairman of the Department of Orthopaedic Surgery. “These therapies may involve new molecules or surgical procedures. We have an interest in both bone grafting and soft tissue healing, and using stem cells to enhance healing. There are a number of investigators within the New England Musculoskeletal Institute who are experts in this area.”

First students embark on Doctor of Physical Therapy program

By Janice Palzer
Anxious students crowd around a necropsy table, shifting from one vantage point to another to get a better look at John Doe.

The cadaver is one of four that instructor Bruce Elliott has pulled from the freezer to conduct the clinical portion of the final exam for his Human Anatomy class. This is not medical school, however. This is the Neag School of Education, where the Department of Physical Therapy – part of the Neag School since 2006 – is offering a new advanced degree program.

Until now, physical therapy majors earned an integrated bachelor’s/master’s degree. The last class to graduate with this degree will be in spring 2009.

“We’ve moved to the Doctor of Physical Therapy because it’s the direction in which the field is moving,” says Craig Denegar, a newly hired professor who is head of the physical therapy department.

Denegar is very familiar with the challenges and benefits of transitioning from a master’s to a doctoral level program. He was a faculty member in physical therapy at Slippery Rock University in Pennsylvania when it became the second program in the country to move to the DPT.

That was in 1996. This summer, the American Physical Therapy Association launched a campaign to push the transition to the DPT degree, partly because of rapid advances in health care.

Another reason is the issue of direct access. Many states permit direct access, meaning patients can visit a physical therapist without referral from a physician. Federal legislation is currently under consideration that would allow direct access for Medicare patients. When enacted, Denegar predicts, the legislation will further change the landscape of physical therapy practice.

The DPT, which requires three years of post-baccalaureate study, “is necessary to keep up with advances in healthcare, with the ultimate goal of providing patients truly quality care,” Denegar says.

The DPT is considered the “entry-level” qualification for physical therapists. It is designed for those who’ve earned bachelor’s degrees in any of a number of areas – biology or psychology, for example – and have decided to go into physical therapy.

“We value the experiences non-traditional students can bring to the classroom” says Denegar.

The Neag School’s first DPT cohort began this summer, and spent two six-week sessions split between coursework and the cadaver lab.

Throughout the first year, their coursework will focus on basic and clinical sciences, as well as health care practices. In the second year, clinical experiences are integrated into the curriculum. During the third year, students will spend 60 percent of their time in supervised clinical practice. By the end, they will have experienced a variety of clinical settings and patient medical needs.

Clinical education is at the heart of the DPT program, says Denegar.

“The Nayden Rehabilitation Clinic, run by the Department of Physical Therapy, serves as a local training site for students while providing care to the University and nearby communities. Students also train at top-notch health care facilities across the country, including Johns Hopkins Hospital, the Mayo Clinic, Brooke Army Medical Center, run by the Department of Orthopaedic Surgery. “These therapies may involve new molecules or surgical procedures. We have an interest in both bone grafting and soft tissue healing, and using stem cells to enhance healing. There are a number of investigators within the New England Musculoskeletal Institute who are experts in this area.”
Educational psychologist examines factors that lead students to cheat

by Sherry Fisher

Nine out of 10 high school students say they have cheated on homework assignments. Two out of three say they have cheated on a test. Seven out of 10 college students have engaged in some form of academic misconduct—from test cheating to plagiarism. Yet most students think cheating is wrong.

“When we’ve done something we believe to be wrong, we want to resolve the dissonance and protect our ego or sense of self as a good person,” he says. “Disengagement mechanisms, such as displacement of responsibility, serve such ego defense needs. So in the case of academic dishonesty, students do this by blaming their teachers for being poor teachers or creating unfair tests. Students also diffuse responsibility by rationalizations such as, ‘everyone else is doing it.’”

Not surprisingly, this tendency to disengage moral control is less likely among students with strong moral identities, Stephens says.

“If someone were to ask me why I care about academic dishonesty—which may seem minute in the universe of wrongdoing—I’d say it’s like a death of a thousand cuts. ‘Adolescents are at a critical period of identity formation, and as a researcher and educator, I’m interested in creating learning environments that help students develop not only intellectually but also socially and morally,’” he says. Stephens says the high school intervention project will be led by students. “We’re pulling together the more influential students in the schools, trendsetters who are valued and emulated by their peers.”

The project will also include a series of workshops for teachers. “Some teachers may facilitate cheating by creating performance-oriented environments,” he says. “They create these situations by the way they arrange their own curriculum goals, how they carry out their assessment practices, and the formal and informal ways in which they communicate with their students. I want to work with teachers so they can create motivational climates that are more inclusive, support autonomy, and are oriented toward mastery.”

Many Husky sports events now available via webcast

A new multimedia Internet platform called Husky All-Access has been launched by the Division of Athletics, in conjunction with College Sports Television Inc.

The new service provides video webcasting of various UConn sporting events and press conferences, and is sponsored by AT&T.

The service is available via a link on UConnHuskies.com—the official website of the Division of Athletics. Each event shown live on Husky All-Access will also be archived for future viewing.

The subscription fee is $9.95 per month, and $79.95 for a 12-month subscription.

“Are very pleased to be adding this new service to our website offerings,” says Tom Haugomat, director of athletics. “Video webcasting is an ever-growing technology and we think UConn fans will enjoy seeing a variety of events.”

Coverage plans during the fall include a number of live UConn games in the sports of men’s and women’s soccer, field hockey, and volleyball. Head football coach Randy Edsall’s Tuesday press conference before each game will be webcast, as will his post-game press conference after home games.

Plans also call for the webcasting of men’s and women’s basketball post-game press conferences. Entire game replays and game highlight packages for men’s basketball and football will be part of the offering as well, as part of the Big East Conference’s agreement with ESPN.

In the winter, there will be live women’s ice hockey, with baseball, softball, and women’s lacrosse offered in the spring. Men’s ice hockey will not be part of the package, but will be webcast through a new agreement between the Atlantic Hockey Association and B2 Networks.

Equipment grant competition continued from page 1

Although faculty from any discipline may apply, major equipment needs are generally in the sciences. The committee will be chaired by Anderson and Singh, who will review but not vote on the proposals.

The committee members are: Amy Howell, Chemistry; Kazem Kazeroonian, Mechanical Engineering; Debra Kendall, Molecular and Cell Biology; Charles “Spivy” Lowe, Psychology; Dennis Wright, Pharmacology; and Theodore Rasmussen, Animal Science and Center for Reproductive Biology.

The Request for Proposals (RFP) specifies that the research must benefit a group of researchers, enhance external funding prospects, and advance one of the areas outlined in the Academic Plan. Applicants must indicate where the equipment will be housed and how maintenance costs will be met; describe how the proposed equipment will enhance the University’s research profile; and outline collaborative and multi-user arrangements.

With proposals due six weeks from the issuance of the RFP, and awards to be announced just two weeks later, the competition is on a fast track. Singh says the aggressive timetable is necessary because large equipment purchases must go through a bidding process. “The goal, he says, is to have the equipment in place by the end of this academic year.”

Singha says it would be ideal if funding of this order of magnitude could be available on an ongoing basis. For now, however, he sees the one-time competition as a “golden opportunity.”

As extramural funding increases, he says, the amount of indirects—the portion of externally funded research grants the University retains to cover the costs of the research infrastructure—increases, generating more money to put back into the research enterprise.

“The equipment grant competition is a strategic investment in the research enterprise,” he says. “We hope it will enable us to achieve a better return on our resources—whether in terms of dollars and cents, or by enhancing the University’s research productivity and profile.”

The RFP is available at: http://provost.uconn.edu/recognition/

For the Academic Plan, see http://academicplan.uconn.edu/
The following grants were received through the Office for Sponsored Programs (OSP) in June 2007. The list represents only new proposals awarded, and excludes continuations. The list is supplied to the Advance each month by OSP. Additional grants received in June will be published in a future issue.

**Alphabetical, by Principal Investigator**

Alexandrescu, A. Molecular & Cell Biology American Parkinson Disease Association $80,000 7/07-09

Brodie, S. Dept. of Extension Nature Conservancy $133,378 7/07-10

Bruno, R. Nutritional Sciences Donaghue Medical Research Foundation/Univ. of Conn. Health Center $65,500 7/07-08

Bruno, R. Nutritional Sciences International Life Sciences Institute Research Foundation $59,880 7/07-09

Butchlin, A. Marine Sciences Rutgers – State University of New Jersey $5,334 11/06-07

Charter of the Research Vessel Connecticut for Cedar Cove Development

Butchlin, A. Marine Sciences Dept. of Defense/Navy/ Office of Naval Research $69,000 11/06-07

Charter of Research Vessel Connecticut

Bush, M. Pathobiology & Veterinary Science Dept. of Agriculture Science $163,157 2/07-08

Carstensen, F. Connecticut Center for Economic Analysis 459 Washington Ave. $21,900 3/07-07

Choi, J. Statistics Nat’l Science Foundation $19,957 6/07-08

Colbert, R. Educational Psychology Conn. Dept. of Children $13,000 1/07-07

Counseling Internships

Craba, C. Dept. of Extension Conn. Dept. of Corrections $5,000 7/07-08

Memorandum of Understanding Between the Connecticut Dept. of Corrections and the Univ. of Connecticut Extension System

Darre, M. Animal Science Dept. of Defense/Amy $32,221 5/07-07

Kink Arm Geophysical and Bioacoustic Support

Enderle, J. Electrical & Computer Engineering Baystate Medical Center $80,078 8/07-09

Clinical Engineering Internship Program at Baystate Medical Center

Fernandez, M. Nutritional Sciences Anthera Pharmaceuticals Inc. $39,237 5/07-08

Evaluation of a Drug that Inhibits Phospholipase A2, an Enzyme Associated with Increased Inflammation and Coronary Heart Disease

Frusca, S. Pathobiology & Veterinary Science New England Aquarium $31,011 5/07-08

Collaborative Program in Aquatic Pathobiology with New England Aquarium

Gabany-Guerrero, T. Center for Latin American & Caribbean Studies Central Washington University $2,999 6/07-07

Archeology Research in Michoacan, Mexico

Gray, P. Dept. of Extension Episcopal Diocese of Connecticut $5,671 5/07-08

Howard, E. Curriculum & Instruction U.S. Dept. of Education/Inst. of Education Sciences/Center for Applied Linguistics $973,324 6/07-08

Content Based Vocabulary Instruction: Using Cognates to Promote the Vocabulary Development and Reading Comprehension of Native Spanish Speaking Adolescents

Jarlé, S. Academic Center for Enterprising Studies Univ. of Conn. Health Center $18,470 5/07-07

College Enrichment Program

Jarlé, S. Academic Center for Enterprising Studies Mixed Sources/Univ. of Conn. Health Center $8,882 6/08-07

High School Summer Research Apprenticeship Program (HSRAPP)

Jarlé, S. Academic Center for Enterprising Studies Univ. of Conn. Health Center $51,182 6/07-08

Pre-College Enrichment Program

Javanainen, J. Physics Nat’l Science Foundation $225,000 7/07-08

Festhoch Resonance and Photoseparation in Traps and Optical Lattices

Jones, R. Cooperative Research: Open-Access Amplitude Analysis on a Grid $332,256 6/07-08

Kaland, D. Pharmaceutical Sciences Genentech Inc. $80,000 6/07-08

Rheological Characterization of Antibody Solutions

Kraus, C. Center for Survey Research & Analysis Town of Madison, Conn. $3,800 6/07-08

Superblock Property Owners Survey

Kraus, C. Center for Survey Research & Analysis Day (Newell D.) Foundation $9,700 5/07-07

Regional Community Survey

Kraus, C. Center for Survey Research & Analysis Harvard University $3,300 6/07-07

Working African American Student (Pilot)

Kraus, C. Center for Survey Research & Analysis Rickabbaugh Graphics $27,000 5/07-07

Baylor University Perceptions Study

Kraus, C. Center for Survey Research & Analysis Texa A & M Research Foundation $6,500 5/07-07

Alumni Survey

Legrand, A. Plant Science U.S. Dept. of Agriculture $3,000 6/07-07

Building Bridges between IPM and MCRS Workshops and Guidelines

Legrand, A. Plant Science U.S. Dept. of Agriculture $464,674 6/07-07

IPM Technical Assistance for the Environmental Quality Incentives Program

Lin, C. Communication Sciences U.S. Dept. of Education $273,933 6/07-08

Office of Safe & Drug-Free Schools

Reducing College Student High-Risk Drinking Behavior via a Comprehensive Prevention Program, Norms Campaign and Community Partnership Strategy

Liu, L. Civil & Environmental Engineering Dept. of Interior/ U.S. Geological Survey $287,602 6/07-07

U.S. Geological Survey, Branch of Geophysical Applications and Support – UConn Cooperative Agreement

Marsh, K. Psychology Nat’l Science Foundation $6,333 7/07-08


Martin, K. Nutritional Sciences Donaghue Medical Research Foundation/Univ. of Conn. Health Center $36,250 6/07-08

Healthy Food in Hartford: Examining Perceptions and Barriers


Conn. Center for Advanced Technology Inc./MottCorp.

Testing of Porous All Metal Flow Field Electrode Assemblies

Morrison, J. Pharmaceutical Sciences American Petroleum Institute $60,800 4/07-08

Upper Respiratory Tract Uptake of Nightthale

Pasaogullari, U. Connecticut Global Fuel Cell Center Design By Analysis Inc. $44,939 5/07-07

Computational Fluid Dynamics Analysis of Porable Polymer Electrolyte Fuel Cells

Pitchumani, R. Mechanical Engineering U.S. Dept. of Education $58,643 4/07-08

Graduate Assistance in Areas of National Need Engineering

Rankin, E. ISS-Academic Programs Center U.S. Dept. of Education $50,000 6/08-07

Gear Up Transition to College Summer Program

Wally Lamb speaks about his latest book, 'I’ll Fly Away: Futher Testimonies from the Women of York Prison, during a publication party at the UConn Co-op on Sept. 18.
CALENDAR

Monday, September 24, to Monday, October 1

**Lectures & Seminars**

**Monday, 9/24 – History Lecture.** "Foot Bodies. Cleanliness in the Early Modern Atlantic," by Kathleen Brown, University of Pennsylvania. 4:30 p.m., Knoedler Hall, Avery Point Campus. 6:30 p.m., Avery Point Campus Library.


**Wednesday, 9/26 – Discovery Lecture.** "The Power of Prevention," by Dr. Molly Brewer. Women's cancers and the importance of prevention, risk assessment, and genetic testing. 7:30 p.m., Koller Auditorium, Health Center West.


**Friday, 9/28 – Comparative Pathology Seminar.** "Understanding the Pathogenesis of Human and Animal coronaviruses," by Chengsheng Zhang, McMaster University, Ontario. 11 a.m., Room P317, Gant Science Complex.

**Monday, 9/24 – Stamford Campus Faculty Newsletter.** "Advertising and Corporate Social Responsibility," by Alex Wang. 6:30 p.m., Room P215, Gen Re Auditorium, Stamford Campus.

**Exhibits**

**Tuesday, 9/25 through Tuesday, 9/26 – Student Union.** Superheroes, photography by Dulce Pinzon. Exhibit pays homage to Latino men who helped keep families safe and extended conditions of labor to help their communities survive. Noon-4:30 p.m., Room 310, Student Union. Opening reception with the photographer. Free admission.

**Friday, 9/28 – Rabbid Bike Sharing.** Deliveries, performed by Carlos Foley depicting the faces of victims of the 2005 tsunami. Gallery on the second floor of the Branford House, Avery Point Campus. Open Wednesday through Sunday, noon-4 p.m. $3 admission for non-members. Through Saturday, 10/17 – Jorgen Jensen Gallery. Beverly W. Hong, woodcut. Lower level of Jorgen Jensen Center. Monday-Friday, 8 a.m.-3:30 p.m.

**Wednesday, 9/26 – Ballard Institute & Museum of Puppetry, Subsides & Substance, 20th anniversary exhibit. Hours. Hours. Noon-4 p.m., Room 505, Avery Point Campus. Free admission, donation appreciated. Docent-led tours available during museum hours.

**Through Friday, 10/2 – Health Center.** Flowers, Fruits and Funghi: Explorations in the World of Nature, art by Marilyn Pet. Main and mezzanine lobbies. Daily, 8 a.m.-9:30 p.m.

**Through Wednesday, 10/25 – Celeste LeWitt Gallery.** Movement and Light sculpture by Kitty Callahan. Paintings, and Revelations and Realities, by John Lazarny. Daily, 8 a.m.-9:30 p.m.

**Wednesday, 9/26 – William Benton Museum of Art, UConn.** "Magnificent Obsession, sculpture from the Ives and B. Gerald Cantor Foundation." $5 admission charge for this exhibit; museum members, UConn students and children 18, free. Also, through 11/12, Rodin's Contemporaries. Also, through 11/24, 42nd Annual Faculty Art Exhibit. Hours: Tuesday-Friday, 10 a.m.-4:30 p.m., Saturday & Sunday, 1-4:30 p.m.

**Friday, 9/28 – Edward Pollack Distinctified Physics Lecture.** "The Changing Role of Calculations in Astrophysics," by Dr. Atul Chutjian, California Institute of Technology. 4 p.m., Room P215, Gant Science Complex. Refreshments served at 3:30 p.m.

**Saturday, 9/29 – Student Union.** "Advertising and Corporate Social Responsibility," by Alex Wang. 6:30 p.m., Room P215, Gen Re Auditorium, Stamford Campus.

**Monday, 9/24 – Stamford Campus Faculty Newsletter.** "Advertising and Corporate Social Responsibility," by Alex Wang. 6:30 p.m., Room P215, Gen Re Auditorium, Stamford Campus.

**Sunday, 9/26 – Student Union.** "Advertising and Corporate Social Responsibility," by Alex Wang. 6:30 p.m., Room P215, Gen Re Auditorium, Stamford Campus.

**Exhibits**

**Tuesday, 9/25 through Tuesday, 9/26 – Student Union.** Superheroes, photography by Dulce Pinzon. Exhibit pays homage to Latino men who helped keep families safe and extended conditions of labor to help their communities survive. Noon-4:30 p.m., Room 310, Student Union. Opening reception with the photographer. Free admission.

**Friday, 9/28 – Rabbid Bike Sharing.** Deliveries, performed by Carlos Foley depicting the faces of victims of the 2005 tsunami. Gallery on the second floor of the Branford House, Avery Point Campus. Open Wednesday through Sunday, noon-4 p.m. $3 admission for non-members. Through Saturday, 10/17 – Jorgen Jensen Gallery. Beverly W. Hong, woodcut. Lower level of Jorgen Jensen Center. Monday-Friday, 8 a.m.-3:30 p.m.

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**Through Friday, 9/26 – Ballard Institute & Museum of Puppetry.** Subsides & Substance, 20th anniversary exhibit. Hours. Noon-4 p.m., Room 505, Avery Point Campus. Free admission, donation appreciated. Docent-led tours available during museum hours.

**Through Friday, 10/2 – Health Center.** Flowers, Fruits and Funghi: Explorations in the World of Nature, art by Marilyn Pet. Main and mezzanine lobbies. Daily, 8 a.m.-9:30 p.m.

**Through Wednesday, 10/25 – Celeste LeWitt Gallery.** Movement and Light sculpture by Kitty Callahan. Paintings, and Revelations and Realities, by John Lazarny. Daily, 8 a.m.-9:30 p.m.

**Wednesday, 9/26 – William Benton Museum of Art, UConn.** "Magnificent Obsession, sculpture from the Ives and B. Gerald Cantor Foundation." $5 admission charge for this exhibit; museum members, UConn students and children 18, free. Also, through 11/12, Rodin's Contemporaries. Also, through 11/24, 42nd Annual Faculty Art Exhibit. Hours: Tuesday-Friday, 10 a.m.-4:30 p.m., Saturday & Sunday, 1-4:30 p.m.

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Liberal arts and sciences advising center welcomes new director

BY MAUREEN MCGUIRE
A popular group therapy course at the Health Center mixes elements of Eastern and Western medicine to help people recognize and manage life’s many challenges from day-to-day stressors like traffic jams and bad cell phone service to serious issues such as living with a chronic illness.

“What people gain through this class is the ability to become aware of their self-defeating habits, such as negative ways of reacting to stress, and the ability to deal with those issues with new skills,” says Norman Andrekus, a Health Center psychologist who teaches the Personal Health Improvement course several times a year.

The course is open to men and women, and is covered by most insurance plans. In the nearly 10 years since the program was launched, participants have included many types of people, from corporate executives to students, all looking for ways to reduce stress and overcome personal obstacles.

“We integrate meditation, Buddhist principles, and cognitive behavioral principles,” Andrekus says. “Because we are in a group setting, participants benefit from the support of others, as well as from a teacher who believes in what they are doing.”

He says he loves teaching the class: “I get to introduce participants to great thinkers, from the Buddha to Robert Frost, and give people tools to live more wholesome, less stressful lives.”

The course lasts for six weeks, with two-hour meetings once a week. It is taught to groups of between six and 12 people. Andrekus meets with each participant individually before the course begins, and after it ends.

For the course, participants receive a workbook detailing the specific themes for each of the six classes, as well as journal pages and a reading list. Participants are asked to write specific “learning goals” that focus on areas of their lives that need attention and improvement. Class themes include observing how you react to stressful situations; improving communication by making clear and specific requests; and overcoming suffering and negative moods.

Andrekus draws heavily on the Buddhist principles of “mindful” awareness — being aware of your thoughts and actions — and observing how you react to certain triggers and situations. “The goal is to help people reduce their stress by changing the way they respond to certain situations,” he says.

Each class starts with a 15-minute guided meditation, and Andrekus encourages participants to meditate on their own every day. “The practice of daily meditation leads to calming, soothing behaviors,” he says. He notes that recent studies from the University of Wisconsin, Massachusetts General Hospital and elsewhere have looked at the positive effects of meditation on overall health.

“Physical symptoms can be a reaction to stress. The course helps participants better understand why certain symptoms occur and how they can manage the triggers that lead to those symptoms.”

In meetings with participants at the end of the course, Andrekus often hears that they feel more empowered in their lives. “People tell me they’ve learned how to manage their pain, and are experiencing less anxiety,” he says. “Although the program meets for only six weeks, my goal is to give participants tools and resources they can draw upon throughout their lives.”

To learn when the next course will begin, call 860-486-6700, option 3, and ask for Virginia.

Psychologist Norman Andrekus in his office at the UConn Health Center.

Psychologist offers program to help people deal with stress

BY CHIP WEISS
Katrina Higgins, the new director of the Academic Services Center in the College of Liberal Arts and Sciences, sits in her office beneath a still-life painting of fruit on a table. It is vaguely reminiscent of Gauguin, but the shadows cast by the fruit are askew.

The painting tells a story about her job, overseeing academic advising for 12,000 liberal arts and sciences students.

An economics major came to her in May of his senior year because he was missing the art appreciation or art history credit the College requires for graduation. They scoured the catalog, but nothing was available in the summer to make up the deficiency.

Desperate, he found a studio art course in painting that was offered during the May intercession.

“I was not really happy about it,” says Higgins, who makes the decisions that allow substitutions in required courses in CLAS, “but I said, ‘I’ll do it if you paint me something.’”

She was kidding, but the student wasn’t. He walked in the graduation ceremony, took the painting course to officially complete his degree, and presented her with his oeuvre before heading to a job.

CLAS oversees academic advising for undergraduates enrolled in the College – more than half UConn’s undergraduate population. Higgins, named director of the Academic Services Center earlier this month, has been an adviser since 2004 and was previously a residence hall director. A native of Australia, she has a Ph.D. in history from the University of Tasmania.

The Center is located in a section of the dean’s office in a brown house at the end of Whitney Road.

There, two to three advisers work with students, faculty and the registrar’s office to make sure that CLAS students fulfill the requirements of whatever degree course they decide upon – in one of the College’s 40-plus majors or an individualized program.

“Our primary charge is to resolve undergraduate issues,” Higgins says. “If there’s a piece of paper that needs the dean’s signature, we take care of that.”

Sometimes the center’s advisers meet with students who discover at the 11th hour – like the economics major – that their graduation is jeopardized because they haven’t met all the requirements.

Advisers do their best to help such students, even though, says Higgins, they would prefer to see them the semester before graduation.

“If a student plans well enough,” she says, “they’ll always get what they need.”

Another task for the advisers is to meet with the 150 to 200 students each semester who have recorded less than a 2.0 grade point average for two consecutive semesters. The advisers look through each transcript, and decide whether the student should be dismissed or remain at the University on scholastic probation. Increasingly, they try to help students make the most of their undergraduate years – earning Study Abroad credits, getting approvals for extra credit courses, or adding minors, a growing trend.

They also work with transfer students seeking credit for courses taken elsewhere, with Connecticut community college students who are entering UConn under the Guaranteed Admissions Program; and with freshmen entering the College.

“We’re really busy in the summer because of orientation,” Higgins says. The Center’s advisers see some 1,200 students at that time, both transfers and freshmen.

From time to time there are unusual cases, like the business major who had to leave one course short of his degree when his father died in 1982.

Mark Kiniry, now senior vice president and central division sales manager for a Fortune Global 500 firm, e-mailed the University asking how he could finish his degree, 26 years after he left. Higgins responded and they mapped out a plan.

He took that last course online this summer to complete his bachelor’s degree.

“I attribute a lot to her helping me get it done,” he says. Kiniry’s daughter, a high school senior, is now considering coming to UConn.

If she does, the CLAS Academic Services Center may be one of her first stops.

Katrina Higgins, director of the Academic Services Center in the College of Liberal Arts and Sciences.