Is asthma affected by violence? How can we combat it?

How do we expand our thinking on nutrition?

What is the optimum diet for healthy weight loss?

Does a clinical trial hold the answer to reducing maternal mortality?

When will my community get adequate public transportation?

What are the latest advances in treating sickle cell disease? Could stem cell technology be the answer?

We find the answers that transform lives.
At the University of Illinois at Chicago, there is a new feeling on campus. The thrill of discovery, the real-world application of new theories, and the meeting of outstanding minds are just some of the exciting things taking place here.

The Office of the Vice Chancellor for Research is in the unique position of leading the way for this groundbreaking work. From the amazing creations of the Electronic Visualization Laboratory that can immortalize individuals, to new findings that are reducing the spread of HIV worldwide, the atmosphere of innovation and research excellence at UIC is unmatched anywhere in Chicago.

The questions continue. The answers will be found.
Dear Colleagues,

I present to you the inaugural Annual Report from the UIC Office of the Vice Chancellor for Research. We hope this report conveys the tremendous initiatives and accomplishments from our research faculty, students, and staff and the disciplinary breadth of the research activities and discoveries that take place in our community every day.

Skip Garcia deserves our gratitude for growing our research enterprise in his two years as vice chancellor. Mitra Dutta, appointed vice chancellor for research by the Board of Trustees, is poised to continue to build the excellence of our research portfolio.

While our ever more expansive role as a premiere public urban research and teaching institution makes it difficult to highlight all of the profoundly significant work being done across our campus, we tried to showcase the wide range of discoveries and the impact we have on our communities, city, state, nation, and around the world. From the largest college of medicine in the nation, to our widely known Electronic Visualization Lab, our evolving research will keep us on a forward trajectory as a vibrant magnet for the best talent.

I hope you will take the time to discover the latest in UIC research, and please visit www.research.uic.edu.

Sincerely,

Mitra Dutta, PhD
Vice Chancellor for Research

Paula Allen-Meares
Vice President of the University of Illinois
Chancellor of the University of Illinois at Chicago
John Corbally Presidential Professor
JASON LEIGH, PhD

Professor of Computer Science College of Engineering Director, Electronic Visualization Laboratory (EVL) and the Software Technologies Research Center (STRC)

Jason Leigh, PhD, grew up wanting to develop video games. “I was playing with computers at a very early age, learning to program them in ways well beyond anything taught in classes. This gave me an edge when I got to college. It wasn’t simply a profession, it was my passion.”

And as it turns out, even though video games are often thought of as frivolous, they are, in fact, not too different from the computer simulations that weather scientists, car manufacturers, and chemists use to forecast weather, design new cars, and develop new drugs.

When asked to describe his research, Dr. Leigh said, “My research area is data visualization—developing techniques to help people make sense of the mountains of data that they are increasingly becoming buried under because the Internet has made it so easy to collect and store data, regardless of whether it is useful or not.”

One specific area of interest is the development of computer displays that help with data visualization. “When we were studying biology or physics in high school, we used instruments like microscopes and telescopes,” he said. “Today, modern science records those types of images directly into the computer; in essence, the scientist never looks through those traditional optical microscopes and telescopes. The modern-day versions of those instruments are computer displays, like the one sitting on your desk. So my research is in developing better microscopes and telescopes to help people digest exponentially growing data.”

Dr. Leigh and his colleagues—lead investigator and computer science associate professor Andrew Johnson, PhD; EVL associate director Maxine Brown, MS; and EVL computer science adjunct assistant professor Tom Peterka, PhD—received a three-year National Science Foundation grant to help build the next generation (NG) CAVE.

“Experiencing the NG CAVE will be like stepping into the highest-resolution planetarium ever built,” he said, “but of course you can see much more than stars. You can look at geologic data if you are searching for oil or studying earthquakes and tsunamis. You can even look at complex financial-trend data so that you can better govern a city, state, or country. You can create virtual reality simulations that help train students, soldiers, doctors, fire fighters, and astronauts. You can even play video games never before imagined.”

Dr. Leigh has also developed a novel way to achieve immortality—by creating a lifelike avatar of himself. Profiled on the NOVA scienceNOW episode “Can We Live Forever?,” which aired in January 2011 on PBS, the show examined whether we can slow down the aging process. Dr. Leigh’s Project LifeLike, which is pioneering avatar technology that will allow you to impart your wisdom, humor, and unique insight long after you are gone, was highlighted.
Leigh’s Project LifeLike pioneers avatar technology that will allow you to impart your wisdom, humor, and unique insight long after you are gone.

UIC students also find Dr. Leigh’s work fascinating. “Students learn to develop video games; however, many go on to do much more. They develop visualization tools for Argonne National Laboratory, the Department of Homeland Security, or Pixar. They develop interactive exhibits for Adler Planetarium or the Science Museum of Minnesota.”

Dr. Leigh chose UIC because “there is a lot of infrastructure here that would be difficult to get anywhere else. For example, UIC has some of the best medical-imaging technology in the world. We are also one of the few campuses that has extraordinary network bandwidth on the order of 30 gigabits per second and will soon increase to 100 gigabits per second.” He also finds that one of the great advantages to doing research in a university with so many diverse departments is that you can easily find collaborators. “It is an exciting time at UIC,” he said.
STACIE GELLER, PhD

G. William Arends Professor of Obstetrics and Gynecology College of Medicine Director, Center for Research on Women and Gender Head, National Center of Excellence in Women’s Health

Since joining the faculty in 1995, Stacie Geller, PhD, has played an integral role in the area of women’s health, both domestically and internationally. While she is involved in many different areas of women’s health research, she says her “global maternal-health work is the most meaningful work I do.”

“I have been working globally, primarily in Africa and Southeast Asia, to reduce death and morbidity from postpartum hemorrhage (PPH). I have been able to conduct NIH-funded clinical trials to examine the efficacy and safety of drugs to reduce PPH and then translate those findings to change Ministry of Health policy within a country and implement workable programs in the field.”

As a testament to the impact her work has in these nations, Dr. Geller was installed as Development Queen Mother of the Manso Nkwanta Traditional Area in Ghana by the Queen Mother and King of Manso Nkwanta. She is now known in the area as Nana Akosua Kannin I. The king asked Dr. Geller to contribute to the area by helping to improve education for girls and decrease teenage pregnancy.

Dr. Geller completed an NIH-funded five-year National Institute of Child Health and Human Development (NICHD) randomized clinical trial comparing the use of oral misoprostol to standard care to reduce PPH in rural India. This study found that with a simple intervention, such as misoprostol, PPH could be reduced by 50 percent. She is currently working with the MacArthur and Bill & Melinda Gates Foundations to implement a continuum of care model to reduce PPH in India, Nigeria, and Ghana.
When asked to describe her research, Dr. Geller said, “My work is about helping those that need help the most—those who are most vulnerable and without other resources.”

UIC was designated a National Center of Excellence by the Office on Women’s Health, U.S. Department of Health and Human Services, in 1998 and was named an Ambassador for Change in 2006. The program is designed to integrate biomedical expertise with the grass roots women’s health vision and emphasizes partnership across disciplines and professions, between academics and communities, and between health-care providers and patients. Dr. Geller also serves as principal investigator of the NIH-funded women’s health research career development program, Building Interdisciplinary Research Careers in Women’s Health (BIRCWH).

Dr. Geller also serves as director of the Center for Research on Women and Gender (CRWG) and head of the National Center of Excellence in Women’s Health, where she promotes collaborative multidisciplinary work related to women’s lives.

Under Dr. Geller’s leadership, the CRWG’s Women in Science and Engineering (WISE) program, which encourages girls and young women in math and science, received the 2011 Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring. The award, announced by President Obama in January 2011, honored WISE’s mentoring initiatives and included a $10,000 grant for continued mentoring work. Dr. Geller had the honor of meeting President Obama in the Oval Office.

Her commitment to improving the lives of women around the world was recognized by the UIC campus in 2010 when she was selected as the UIC Woman of the Year. Established in 1992, this annual award honors a UIC woman who has consistently worked on women’s issues beyond the call of duty and who is an exemplary role model. Dr. Geller was nominated by Sarah Kilpatrick, MD, PhD, who wrote: “Stacie is an ideal candidate for this award because she has directly, positively impacted women through her research, her mentorship, and her leadership.”
Over the past 30 years, Juan Carlos Campuzano, PhD, has built a distinguished career as an outstanding scientist. An accomplished researcher, Dr. Campuzano has made significant contributions to the science of high-temperature superconductors and to the phenomenon of photoemission spectroscopy. He is recognized as one of the two undisputed world leaders in the use of angle resolved photo-emission spectroscopy (ARPES), now universally recognized as one of the most powerful experimental tools used to probe novel materials.

Describing his research, Dr. Campuzano said, “The materials my students and I are studying now are the high-temperature superconductors. Although these have many potential transformative applications, from contributing solutions to the energy problem to medical diagnosis, we concentrate on their fundamental properties.”

“The area of physics related to materials is called condensed matter physics,” he said. “Most materials in use today are well understood and described in textbooks used in the classroom. Our experiments show that the high-temperature superconductors do not follow any of the known rules.”

As a testament to the extent of his scientific impact, it should be noted that his research publications (numbering more than 80) have been cited in the literature over 6,000 times, and at one point, his first paper on the pseudogap in high-temperature superconductors (published in 1996 in the journal *Nature*) was the most highly cited paper in all of physics.

Born and raised in Asuncion, Paraguay, he joined the faculty in the UIC Department of Physics in 1985, where he has remained ever since. In 1987, Dr. Campuzano also joined Argonne National Laboratory as a physicist in the Materials Science Division; he became a senior physicist 12 years later.

Dr. Campuzano is the winner of the prestigious 2011 Oliver E. Buckley Condensed Matter Prize and is recognized as one of the two undisputed world leaders in the use of angle resolved photo-emission spectroscopy (ARPES), now universally recognized as one of the most powerful experimental tools used to probe novel materials.
A study by epidemiologist Robert Bailey, PhD, MPH, along with two other studies conducted in African countries, has shown that medical circumcision dramatically reduces a man’s risk of acquiring HIV from an infected woman. In fact, in December 2006, the National Institutes of Health halted Dr. Bailey’s clinical trial of male circumcision after an interim review of the data showed that the procedure dramatically reduced transmission of HIV and recommended that all men enrolled in the study who remained uncircumcised be offered circumcision due to the clearly protective effect. Details of those studies were published in The Lancet.

In the two randomized trials, which included 7,780 HIV-negative men in Rakai, Uganda, and Kisumu, Kenya, researchers found that medically circumcised men were at approximately 60 percent less likely than uncircumcised men to acquire HIV during sex with women. The editors of The Lancet called the discovery “a new era for HIV prevention.” This discovery, that circumcision can prevent HIV transmission, was ranked as the #1 medical breakthrough for 2007 by TIME magazine.

Since 1995, Dr. Bailey and his colleagues have conducted research on male circumcision and HIV infection in eastern and southern Africa. His most recent clinical trial showed that medical circumcision reduces a man’s risk of acquiring HIV during heterosexual intercourse by 59 percent. The results of this and two additional trials, Bailey said, “led to a major policy shift to provide circumcision services widely throughout eastern and southern African.” Since 2008, with assistance from Dr. Bailey and his collaborators, Kenya has achieved 440,000 circumcisions, which will likely prevent nearly 100,000 new HIV infections over the next ten years.

Recently, Dr. Bailey completed a study on men who have sex with men (MSM) in Kisumu. In Kenya, males who are discovered to be homosexual can face up to 14 years in jail and are therefore a highly stigmatized and vulnerable population. This can make it difficult for these men to be identified, offered HIV testing and counseling and treated for sexually transmitted diseases. Over 415 men enrolled in the study, which found very high rates of HIV in the MSM population and learned that more than half of MSM sell sex for money or goods. Two thirds of them also have high risk sex with women. Because of the stigma against homosexuality in the community, 60 percent of these men have experienced violence and most are rejected by their families and neighbors. In part due to the findings of Dr. Bailey’s study, a center has been established to support MSM in Kisumu, and these men now have access to affirming clinical and counseling services, and HIV positive MSM are getting care and appropriate drug treatment. The male circumcision program has now trained over 1,900 clinicians and has built capacity all over Kenya. They have also conducted a pilot on infant circumcision, but this is still not popular and requires more education. Right now, they are still focusing on men 18-30 years old who are at highest risk, because circumcising this age group will have the most immediate impact of the HIV epidemic.

Dr. Bailey is part of the leadership for the Chicago Developmental Center for AIDS Research. In its fourth year, the Chicago D-CFAR is a consortium of the University of Illinois at Chicago, Rush University Medical Center, and Cook County Health and Hospitals System. The three work together to develop new interdisciplinary collaborations that will further AIDS research and ensure that research findings are accessible to affected people regionally and nationally. Dr. Bailey serves as Codirector of Chicago D-CFAR.
### TOP 50 RESEARCHERS by funding

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<th>Principal Investigator</th>
<th>Department</th>
<th>College</th>
<th>Expected Total Funding</th>
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Douglas Lawandowski, PhD, professor of physiology & biophysics and director, Center for Cardiovascular Research, is known for his innovative research program that examines cardiovascular physiology and biochemistry through nuclear magnetic resonance spectroscopy and imaging. Howard Ozer, PhD, professor of medicine; director, UIC Cancer Center; and associate director for clinical research, has more than 300 publications in the area of biology and therapeutics in the leukemias and lymphomas, with a particular emphasis on biological therapies. Carol Ferrans, PhD, RN, FAAN, professor and associate dean of research, UIC College of Nursing, has been conducting studies focusing on quality of life and disparities in health care over the past 20 years, funded by the National Institutes of Health. She is well known for developing the Ferrans and Powers Quality of Life Index, which has been translated into 21 languages and has been used throughout the world in more than 200 published studies. Jie Liang, PhD, professor of bioengineering, is a leading expert on bioinformatics—the use of sophisticated algorithms and state-of-the-art computing to investigate complex biological questions about genes, proteins, and other building blocks of life. Mark Rasenick, PhD, distinguished professor of physiology and biophysics and founding director, Neuroscience Program, College of Medicine, was named a fellow of the American Association for the Advancement of Science. Anne George, PhD, Allan G. Brodie Professor of Oral Biology, UIC College of Dentistry, focuses on how proteins regenerate dentin, one of the four major components of teeth. She has been instrumental in cloning the dentin matrix protein genes from animal models, identifying four thus far.
Shane Phillips, PhD, assistant professor of physical therapy, College of Applied Health Sciences, Best Paper of the Year Award by the American Heart Association for outstanding original paper in hypertension (impact factor 7.368) under the Clinical Sciences Category, September 2009.

Phillip Marucha, DMD, PhD, associate dean for research, College of Dentistry, received a $9.9 million NIH C06 award from the American Reinvestment and Recovery ("Stimulus") Act to renovate and construct 23,000 sq. ft. of research space on three floors in the College of Dentistry.


Guy Weinberg, MD, associate head for research, Department of Anesthesiology, College of Medicine. Renowned for his pioneering work in the treatment of life-threatening local anesthetic toxicity, Dr. Weinberg was named as the 2010 recipient of the American Society of Regional Anesthesia and Pain Medicine (ASRA) Distinguished Service Award. The Distinguished Service Award is presented annually at the ASRA Annual Regional Anesthesia Meeting and Workshops to a pioneer in regional anesthesia and pain medicine in recognition of their outstanding contributions and years of distinguished service to this field of practice.

Viswanthan Natarajan, PhD, visiting professor of pharmacology, College of Medicine, received a MERIT Award from the National Heart, Lung, and Blood Institute and its National Advisory Council. The award recognizes his long-term track record and contribution to the institute and the community. The MERIT Award (Method to Extend Research in Time), provides long-term, stable support to selected investigators.

Natarajan studies acute lung injury or ALI, which causes the lungs to swell with fluid so that breathing becomes impossible. Acute lung injury and its more severe form, acute respiratory distress syndrome (ARDS), are syndromes of acute respiratory failure resulting from acute pulmonary edema and inflammation.

Natarajan focuses on a critical feature of acute lung injury: how the capillaries become leaky and allow fluid to fill the lungs. Building on work begun decades ago at Johns Hopkins University and the University of Chicago, Natarajan and his colleagues identified a protein that plays a key role in the processes that affect the permeability of blood vessels in the lungs.

Douglas Feinstein, PhD, research professor of anesthesiology, College of Medicine, received a Research Career Scientist Award from the U.S. Department of Veterans Affairs.

Feinstein’s research focuses on drug discovery and treatment of Alzheimer’s disease and multiple sclerosis and the development of better animal models to study these diseases.

The designation of VA Research Career Scientist is given to senior investigators who have distinguished themselves through scientific achievement and contribution to the VA research program in training, mentoring junior VA scientists, serving as a resource for the research community, and collaborating with clinicians.

Ilene Harris, PhD, professor and head of medical education, College of Medicine. The American Educational Research Association (AERA) Division of Education in the Professions (Division I) recognized Dr. Harris with the 2010 Distinguished Career Award. This award is given every other year to recognize individuals who “over a significant number of years have been exceptionally productive scholars in professions education” and who have had a “significant impact on the field of research in the professions.”
Diana Wilkie, PhD, RN, professor and Harriet H. Werley Endowed Chair for Nursing Research, Biobehavioral Health Science. Dr. Wilkie is an internationally known pain specialist with a special emphasis on palliative and end-of-life care in cancer and other life-threatening illnesses. She has many publications about pain, and her research program on pain has been continuously funded since 1986. Currently, she is conducting two randomized clinical trials testing the effects of massage and computerized pain tools on clinical outcomes, as well as several pilot studies. The long-term goal of her research is to help clinicians effectively combine pharmacologic and nonpharmacologic therapies for management of acute, chronic, and cancer pain.

Fady Charbel, MD, professor and head, Neurological Surgery. Dr. Charbel is internationally recognized for his research and clinical expertise in the area of stroke, cerebrovascular disorders, cerebral blood-flow metabolism, and complex cerebral tumors. He is active in developing medical devices, and his work has resulted in multiple innovations. He is the winner of prestigious awards such as the 2006 Wall Street Journal Technology Innovation Awards: Medical Devices Runner-up and 2002 Inventor of the Year, University of Illinois at Chicago, and was named a Top Surgeon, America’s Top Surgeons, Consumers’ Research Council of America. He is the developer and coinventor of the Charbel Micro-Flow Probe®, Transonic Systems, Inc. and of the NOVA® system VasSol, Inc. He currently holds six patents and has produced over 200 scientific presentations and over 150 publications.

Rosemary White-Traut, PhD, RN, FAAN, professor and head, Women, Child, and Family Health Science, helps a mother care for her newborn. Dr. White-Traut is known for her research on developmental intervention for infants. The intervention, known as the ATVV intervention, provides auditory stimuli via the female human voice; tactile stimuli via moderate touch stroking; visual stimuli in the form of eye-to-eye contact; and vestibular stimuli, such as rocking. She has documented patterns of maternal-infant interaction to improve when mothers are taught ATVV to administer on their premature infants. The ATVV has also been shown to improve feeding progression, neurobehavioral organization, and development and to decrease the length of hospital stay. Dr. White-Traut and her team are now testing an integrated intervention, the H-HOPE, which includes the ATVV with the addition of home visits by nurse/community advocate teams.
UIC received close to $150 million in direct funding from the NIH in FY2011 to support its highly ambitious research programs, which span several health-science colleges. The past year has witnessed a number of successes that would not have been possible without the NIH funding. The following is a brief summary of some of the achievements at UIC.
From bench to bed, entrepreneurship at UIC

Joe G. N. “Skip” Garcia, MD (Vice President for Health Affairs and Earl M. Bane Professor of Medicine, Pharmacology, and Bioengineering) and his colleagues within the Institute for Personalized Respiratory Medicine (IPRM) research group recently formed Aqua Lung Therapeutics, LLC. The company was formed following a major discovery by the lab that the pre-B cell colony enhancing factor (PBEF) plays a very important role in the pathology of ventilator induced lung injury (VILI) and acute lung injury (ALI), two highly interlinked syndromes with high, unacceptable mortality rates. Dr. Garcia’s group discovered that neutralizing antibodies raised against PBEF can be effectively used to treat VILI/ALI. The company is in the process of developing highly efficacious humanized neutralizing antibodies against PBEF that will be used to treat the above two syndromes.

Related NIH Funding:
National Heart, Lung, and Blood Institute (NHLBI)
Cytoskeletal Regulation of Lung Endothelial Pathobiology P01 HL058064
Pl: Garcia, Joe G. N.
$2,405,144/year

National Heart, Lung, and Blood Institute (NHLBI)
Pathogenic Mechanisms of PBEF in ventilator induced lung injury R01 HL094394
Pl: Garcia, Joe G. N.
$408,335/year

Drs. Carley and Radulovacki were jointly named the 2010 UIC Inventors of the Year for their work related to sleep-related breathing disorders. Traditional treatments for common disorders, such as sleep apnea, involved complex devices or surgery to widen the soft tissue in the airway. Carley and Radulovacki found that turning up or down the signaling pathways of certain neurotransmitters can reduce the incidence of sleep apnea.

Related NIH Funding:
National Institute on Aging (NIA)
Neurobiology of Sleep Apnea in Aging R01 AG016303
Pl: Carley, David
$454,157/year

UIC fights infectious diseases

DR. NANCY ELIZABETH FREITAG AND HER GROUP DEMONSTRATE THE CONNECTION BETWEEN SOME FOOD-BORNE BACTERIA AND FATAL HEART INFECTION.

A major research focus for Nancy Freitag, PhD (associate professor of microbiology & immunology) is the bacteria Listeria monocytogenes that is commonly found in soft cheeses and chilled ready-to-eat foods. In susceptible individuals such as the elderly and pregnant women, Listeria infections can cause serious illness that involves CNS, the placenta, and the fetus. About 10 percent of infections can target the heart, and of those, one third are fatal. Using the mouse model, Dr. Freitag and collaborators recently showed that a specific strain of Listeria targets the heart and 90 percent of field mice developed cardiac infections with ten times more Listeria in the heart compared to mice infected with other strains of Listeria. The above strain-specific study is likely to advance not only our understanding of the Listeria-related pathobiology, but will also trigger the development of strain-specific therapies.

Related NIH Funding:
National Institute of Allergy and Infectious Diseases (NIAID)
Listeria Virulence Gene Expression within Host Cells R01 AI041816
Pl: Freitag, Nancy Elizabeth
$371,138/year
DRS. DUNCAN WARDROP AND LIJUN RONG DISCOVER SMALL MOLECULES THAT EFFECTIVELY INHIBIT THE DREADED EBOLA VIRUS.

Ebola and Marburg viruses are deadly viruses that cause rapidly progressive hemorrhagic fevers with high mortality rates and are category A pathogens, as per a recent NIAID biodefense priority organisms list. Using a pseudoviral ebola platform developed by Lijun Rong, PhD (associate professor of microbiology & immunology), Duncan Wardrop, PhD (associate professor of chemistry) identified a lead compound that inhibits both Ebola and Marburg viruses. Further screening using a library based on the lead compound derivatives revealed several that were more potent in their ability to infect Ebola infection than the parent compound. The above NIH-funded studies have tremendous implications in the biodefense effort mounted by NIAID.

Related NIH Funding:
National Institute of Allergy and Infectious Diseases (NIAID) Screening and Development of Anti-Filovirus Entry Inhibitors U01 AI077767 PI: Rong, Lijun $1,192,567/year

DR. RICHARD NOVAK’S WORK HELPS IN THE PREVENTION AND TREATMENT OF HIV.

The UIC HIV/AIDS project has been conceived and spearheaded by Richard Novak, MD (professor of medicine), an internationally recognized HIV clinician and researcher. The care to patients is provided by a multicenter network that focuses on underserved communities. The project recruits HIV patients into novel clinical trials. In addition, it also provides comprehensive care that includes pharmaceutical education and attention to mental, nutritional, gynecological, and dental health. Through the HIV Trials Network (HVTN), Dr. Novak is investigating the efficacy of microbicides in high-risk women.

Related NIH Funding:
National Institute of Allergy and Infectious Diseases (NIAID) Targeting High-Risk Women for HVTN and Microbicide Trials U01 AI069554 PI: Novak, Richard $588,324/year

Possible new therapeutic approaches to Multiple Sclerosis and Autism

DR. DOUGLAS FEINSTEIN DISCOVERS THAT REDUCTION IN NORADRENALINE, AN IMPORTANT NEUROTRANSMITTER, IS ASSOCIATED WITH MULTIPLE SCLEROSIS (MS).

Noradrenaline is mostly produced by neurons in an area of the brain referred to as locus coeruleus (LC). Using a mouse MS model, Douglas Feinstein, PhD (professor of anesthesiology and anatomy & cell biology) and colleagues demonstrated significant damage to the LC region and reduced levels of noradrenaline. These changes are similar to those seen in human brains with MS. The relatively low levels of noradrenaline could be the reason underlying a loss in the blood brain barrier and the infiltration of white blood cells to the inflamed sites in MS brains. The above study has tremendous therapeutic potential as there are FDA approved drugs that are known to elevate noradrenaline.

Related NIH Funding:
National Institute of Dental and Craniofacial Research Enamel Structure Sophistication through Amelogenin Evolution R01 DE018900 PI: Diekwisch, Thomas $388,575/year

Advances in dental health at UIC

DR. THOMAS DIEKWISCH AND HIS GROUP DISCOVER A WAY TO ATTACH KNOCKED-OUT TEETH USING A STEM CELL–BASED THERAPEUTIC APPROACH.

Human teeth snugly sit in sockets and are anchored to the underlying bone via hundreds of strong fibers that collectively make up the periodontal ligament. This allows for the slight movement that serves as a shock absorber while chewing and biting the food we eat. The lab of Thomas Diekwisch, DMD, PhD (sc), PhD (phil) (professor and head of oral biology; director, Brodie Laboratory for Craniofacial Genetics; Allan G. Brodie Endowed Chair for Orthodontic Research; professor of anatomy & cell biology, bioengineering, orthodontics, and periodontics) discovered in a mouse model a way to grow periodontal stem cells that differentiate into fibers that form the ligament and anchor the tooth. The above stem cell–based therapy has tremendous translational potential to treat accident victims.

In a separate collaborative study, Dr. Diekwisch’s group recently discovered that the number of proline repeats determines the strength of enamel prisms that cover the teeth. The work is based on research carried out in amphibian and other animal models. The tooth enamel is bathed in bubble shaped groupings of proteins that range from 5 nm in cows to 20 nm in frogs. The smaller the bubble, the longer the associated enamel crystals. The smaller bubbles result from proteins containing relatively high proline content that are able to contract more. The above work is likely to help in developing ways to grow and strengthen human tooth enamel.

Related NIH Funding:
National Institute of Dental and Craniofacial Research Enamel Structure Sophistication through Amelogenin Evolution R01 DE018900 PI: Diekwisch, Thomas $388,575/year
DR. EDWIN COOK INVESTIGATES THE GENETICS OF SEROTONIN IN AUTISM.

Edwin Cook, MD (professor of psychiatry; director, Autism and Genetics) spearheads the UIC Autism Center of Excellence, an interdisciplinary institute that carries out translational and clinical research. Autism spectrum disorders affect about one in 160 individuals, and the afflicted have difficulty communicating and forming relationships. Dr. Cook is currently carrying out a study that will map serotonin-related genes in autism with the idea of developing pharmacogenetic-based therapeutic approaches.

Related NIH Funding:
Eunice Kennedy Shriver National Institute of Child Health and Human Development
UIC ACE: Translational Studies of Insistence on Sameness in Autism
P50 HD055751
PI: Cook, Edwin
$1,687,880/year
“It’s hard to pinpoint many academic medical centers that have the full complement of health professions in a large urban center, but that is one of UIC’s strengths and with that strength comes the students, fellows, and trainees in each of these programs.”

— SHANE PHILLIPS, PhD
**FINDING HEALTHY WAYS TO LOSE WEIGHT**

Atkins, South Beach, high fat, low fat, low carb—the number of diets being marketed to the general public can be overwhelming and leaves us asking, “Which one really works?” It’s a question that Shane Phillips, PT, PhD, assistant professor of physical therapy, is trying to answer.

He oversees a basic research lab as well as a complementary clinical research program. “Our lab is set up to study the effects of different lifestyle interventions on cardiovascular health, namely exercise and diet. Specifically, we look at vascular endothelial function, thought to be an early predictor of overall cardiovascular health.”

Dr. Phillips looks at why and how circulation changes during exercise and/or dieting. In a study overseen by Dr. Phillips and published recently in *Nutrition Journal*, sedentary people on a low-carbohydrate, high-fat diet lost pounds but few inches from around their middles. They also showed signs of impaired blood vessel health after six weeks on the diet. “There are different ways to lose weight,” he said. “Our overall goal is to find healthy ways to lose.”

Exercise is another important component in losing weight effectively. Dr. Phillips and his laboratory are examining the risks associated with exercise at the beginning of a program.

UIC is an ideal place to conduct research like this because everything is in close proximity: the Center for Clinical and Translational Science (CCTS), the Clinical Research Center, the Medical Center, and Dr. Phillips’s lab. He is able to bring research subjects, physicians, and collaborators to one central location. “Having all of this within walking distance is critical,” he said, and it allows him to collaborate with colleagues from Dentistry, Medicine, Applied Health Sciences, and Nursing.

“It’s hard to pinpoint many academic medical centers that have the full complement of health professions in a large urban center,” said Phillips, “but that is one of UIC’s strengths, and with that strength comes the students, fellows, and trainees in each of these programs.”

When he joined the university in 2007, he was one of CCTS’s first scholars. “CCTS helped me understand the uniqueness of UIC, the importance of having collaborators, making collaborative links with people in other colleges and really meeting new mentors and colleagues.” Dr. Phillips was awarded a K23 career development award for mentored patient-oriented research to examine the mechanisms of exertional hypertension and vascular dysfunction.

Dr. Phillips’s work has also garnered national attention. He was recently nominated by the Cardiovascular Division of the NIH National Heart, Lung, and Blood Institute for a Presidential Early Career Award for Scientists and Engineers (PECASE). The PECASE Award is the highest honor bestowed by the U.S. government on outstanding scientists and engineers beginning their independent careers.

“I’ve always felt that there was tremendous growth potential here, with the diverse population and size of the city,” he said. “My main hope is that my research gives people solid information on what can be the most healthful ways to eat and exercise.”

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**Shane Phillips, PhD**

*Exercise is another important component in losing weight effectively. Phillips and his laboratory are examining the risks associated with exercise at the beginning of a program.*
“Wound care centers are appearing across the nation, but UIC is really taking the lead in standardizing care and curriculum. UIC is uniquely situated to lead this effort as both basic science and clinical expertise are readily available on campus. In addition, the medical campus serves over 1.6 million patients in its primary service area, most of whom are from populations that are underserved and, in addition, are disproportionately affected by nonhealing wounds.”

— WILLIAM ENNIS, DO, MBA
“More than six million people in the United States suffer from nonhealing wounds,” said William Ennis, DO, MBA, director of wound healing and tissue repair, Department of Surgery, “and this number does not include people with scar formation or burns.” Despite the number of people affected by nonhealing wounds, this topic continues to fly under the radar. Researchers at UIC are working to bring this area to national attention through their work at the Center for Wound Healing and Tissue Regeneration (CWHTR).

The CWHTR is a unique community of scientists, including immunologists, cell biologists, and bioengineers, as well as clinicians devoted to the study of injury, wound healing, and regeneration. The members of this multidisciplinary research center investigate the body’s reaction to injury, as well as mechanisms of repair and regeneration of tissues.

Luisa DiPietro, DDS, PhD, an immunologist and cell biologist who is a professor of periodontics, leads the center, which is housed in the College of Dentistry. Dr. DiPietro and her research group study wound healing in oral mucosal tissues, which protect the oral cavity. These tissues heal more quickly and with less scarring than skin and may provide clues to human regenerative capacity. “Looking at the process by which these tissues repair and regenerate could suggest ways to minimize scars from skin wounds,” said Dr. DiPietro.

“Regenerative medicine is truly the evolution of wound healing. From a regenerative medicine standpoint, skin is the first area we can easily take from bench to bedside because we can see the target organ,” said Dr. Ennis.

He notes there is a unique opportunity here. “UIC is uniquely situated to lead this effort as both basic science and clinical expertise are readily available on campus. In addition, the medical campus serves over 1.6 million patients in its primary service area, most of whom are from populations that are underserved and, in addition, are disproportionately affected by nonhealing wounds.”

“When people think of nonhealing wounds, most think of traumatic wounds caused by war or gunshots. The general public does not have a strong understanding of what constitutes a nonhealing wound. In fact, most physicians don’t have a good understanding as well,” said Ennis. Many patients have been seen by up to eight physicians at two or more hospitals before they come to the center. “With wounds, we see patients waiting for a year with no improvement. What people
don’t realize is that the wound could be a manifestation of an underlying disorder, like lupus or vasculitis.”

Dr. Ennis, recipient of the 2011 Georgetown Distinguished Achievement Award in Diabetic Limb Salvage, founded the nation’s first academic, physician-based fellowship in wound care at UIC and hosted the inaugural meeting of the American College of Wound Healing and Tissue Repair (ACWHTR) on campus last summer. ACWHTR was founded to fill a void in the medical education of physicians with regard to wound healing and tissue repair. The organization will also work to transfer the curriculum to multiple medical institutions throughout the country and to achieve formal board certification for physicians in the future.

At the inaugural meeting of the ACWHTR, one of Dr. Ennis’s patients, Charles Rakis, described his battle with a nonhealing wound. Paralyzed twelve years ago, Rakis has had a persistent wound for the last ten years. After seeing multiple physicians and enduring multiple surgeries, he was referred to Dr. Ennis. “I truly believe that I would be dead by now if it weren’t for Dr. Ennis,” he said.

Rakis had been considering a move to the East Coast to be close to major research universities, such as Yale and MIT, but realized he was getting the best possible care at UIC. He emphasizes the importance of training everyone from physicians to nurses to home health-care workers. “I still find that many health-care providers do not know how to care for my wounds the way that Dr. Ennis does.”

Dr. Ennis describes Rakis as a patient, advocate, and friend. “He’s not afraid to ask the tough questions, ones that we can’t always answer immediately, but with collaborations like this, will be able to answer in the future.”

DR. LUISA DIPIETRO NAMED TOP FACULTY MENTOR IN THE UNITED STATES

Dr. Luisa DiPietro, DDS, PhD, professor of periodontics, Associate Dean for Faculty Affairs and director, Center for Wound Repair and Regeneration, has been selected by the American Association of Dental Research (AADR) National Student Research Group as the recipient of its 2010-2011 Faculty Mentor Award.

The award was established in 1997 to provide national recognition for outstanding faculty mentors. Each nominee needs to have experience in research, must show support for student research, and is nominated by a student or students. The nominee also needs to be a faculty member at the nominating students’ dental school and must be a current member of AADR.

Dr. DiPietro currently serves as the primary research mentor for two undergraduate students, one PhD student, three DMD/PhD students, one master’s degree student, and three postdoctoral fellows. She is also a secondary mentor for many additional students and an assigned mentor for several junior faculty.

“Only one of these awards is presented annually for the entire United States,” said Dean Bruce Graham. “This is a truly wonderful recognition of Dr. DiPietro’s mentorship of students.”
1 Nik Theodore, PhD, associate professor of urban planning and policy and director, Center for Urban Economic Development, focuses on the problems of socioeconomic inequality arising from the restructuring of urban economies. 2 Frank Chaloupka, PhD, UIC distinguished professor of economics, is leading research on tobacco product prices and smoking behavior. In previous research, he found that increases in cigarette prices—including tax hikes—result in significant reductions in smoking. This research, cited by the Office of the Surgeon General, has led to many substance abuse policy initiatives. 3 Elizabeth Calhoun, PhD, professor of health policy and administration and director and PI, UIC Center of Excellence in Eliminating Health Disparities. The center is funded by a $7.2 million, five-year grant from the National Center on Minority Health and Health Disparities of the National Institutes of Health. 4 Beth Richie, PhD, professor of African American studies and director, Institute for Research on Race and Public Policy, says, “Let’s try to imagine a world with safe, thriving communities without the negative impact of prisons.” The institute focused its research on alternatives to incarceration during the past academic year. 5 Cynthia Barnes-Boyd, RN, PhD, FAAN, director, UIC Neighborhoods Initiative, College of Urban Planning and Public Affairs, and director, Healthy City Collaborative, Great Cities Institute, has a distinguished record in public health and extensive experience working with community organizations. She is currently the PI on Chicago CTSAs for Community Engagement (C3): Weaving the Ivy II, which will help the C3 network reach its full potential as a multi-institutional partnership among the universities in the Chicago area with Clinical and Translational Science Awards (CTSAs) from the National Institutes of Health. 6 Sherry Emery, MBA, PhD, senior research scientist, Institute for Health Research and Policy, and colleagues are measuring the extent to which people are exposed to, search for, and exchange both pro- and antitobacco information in mass media and, ultimately, how these actions are related to smoking behavior, beliefs, and attitudes, thanks to a $3 million, four-year grant from the National Heart, Lung, and Blood Institute.
COMMUNITY DISPARITIES AWARDS


Suzann K. Campbell, PhD, PT, professor emerita of physical therapy, College of Applied Health Sciences. Jonas Salk Award for Leadership in Research from the March of Dimes. Lifetime achievement award for exemplary leadership in maternal and infant health in *Physical Therapy*, September 2010.

Pamela Quiroz, PhD, professor of educational policy studies, College of Education. “Marketing Diversity & the New Politics of Desegregation,” Fund for the Advancement of the Discipline (FAD) Award (2010), American Sociological Association and National Science Foundation.


Roger Weissberg, PhD, NoVo Foundation Endowed Chair, Social and Emotional Learning Research Group, distinguished professor of psychology, College of Liberal Arts & Sciences, along with Joseph Durlak, PhD, professor of clinical psychology at Loyola University Chicago, won the 2010 Nan Robler Award for Review of the Prevention Science Literature. This award is given for contributions to the summarization or articulation of the empirical evidence relevant to prevention science. They won the award for their paper titled “The Impact of Enhancing Students’ Social and Emotional Learning: A Meta-analysis of School-based Universal Interventions,” published in *Child Development*, February 2011. Dr. Weissberg directs the Social and Emotional Learning (SEL) Research Group at UIC. He is also president of the Collaborative for Academic, Social, and Emotional Learning (CASEL). During the past two years, Drs. Durlak and Weissberg have conducted a series of meta-analyses that have rapidly advanced the science of social and emotional prevention programming. The most recent report is a meta-analyses of over 200 experimental studies of social and emotional learning that have demonstrated that SEL programs not only impact social cognitions and behavioral adaptation, but in addition such programs have a substantial effect on academic achievement.

Enrico Benedetti, MD, FACS, professor and head of surgery, College of Medicine. The Department of Surgery hosted the annual Bridging the Gap: Emerging Health Issues in Underrepresented Minorities Symposium in October 2011. This event attracts community physicians, nurses, outreach program representatives, and students and addresses prevalent health issues in minorities, particularly African Americans and Latinos.
New Book Explores Latino Gay Activists

A new book by Jesus Ramirez-Valles, PhD, associate professor of community health sciences, examines how gay, bisexual, and transgender (GBT) Latino activists and volunteers are transformed by the AIDS epidemic.

In *Compañeros: Latino Activists in the Face of AIDS* (University of Illinois Press, 2011), Ramirez-Valles writes about the life histories of GBT Latinos who come together to fight racism and homophobia and, in the process, change themselves.

“*Compañeros* tells us what it’s like to be an activist, a volunteer, and get involved in community affairs,” said Ramirez-Valles. “The book is about Latino gay men and transgender individuals, but it speaks to the broader idea of getting involved in the community—not only to change major social forces that shape our lives, but to change ourselves, to connect with others, and in the process become better individuals and better citizens.”

As a public-health researcher, Ramirez-Valles has studied gender and race in health promotion and HIV/AIDS and substance abuse prevention in the United States and Latin America. He also produced a documentary, funded by the National Institutes of Health, featuring individuals in his book. The book and film are based on scientific research on discrimination and stigma and the consequences of these behaviors on GBT Latinos.

In the late 1990s, Ramirez-Valles became interested in how HIV/AIDS patients transformed their lives by becoming activists—from protesting against the inaction of the federal government to volunteering in the neighborhood to distribute food and take care of patients. He soon realized there were positive effects on self esteem, decreased depression, and improved health outcomes associated with volunteerism and activism, and he began writing about the subjective experiences of these individuals, or compañeros.

Ramirez-Valles hopes the book will change negative attitudes, particularly in the heterosexual community, about HIV/AIDS and that readers will find inspiration in the personal stories. “The life stories of gay men and transgender women are movingly presented with both passion and clarity, giving a feeling of great respect and admiration for a group who heroically turns oppression into a source of resilience and strength, as well as a solidarity seldom seen in contemporary social movements.”

Improving Access to Healthy Food for Chicago’s Latinos, African Americans

The UIC Midwest Latino Health Research, Training, and Policy Center has received an $850,000 grant to address health disparities in Chicago.

The U.S. Centers for Disease Control and Prevention awarded the one-year grant, which builds on previous funding to UIC’s Center of Excellence in the Elimination of Disparities, to help reduce diabetes and cardiovascular disease among Latino and African American populations in the Chicago area.

The UIC center “is working to ensure that food contributes to health among Latinos and African Americans rather than to chronic diseases,” said Sheila Castillo, MUPP, associate director of the Midwest Latino Health Research, Training, and Policy Center and principal investigator on the grant.

Castillo said the center focuses on increasing the equitable distribution of healthy food and increasing health literacy, but also funds community projects. The center provided grants to organizations operating in the Pilsen, Englewood, Humboldt Park, Roseland, Austin, and Logan Square neighborhoods of Chicago.
Violence is something many urban dwellers take for granted as part of the price of living in the city. Researchers at UIC are trying to change this with innovative violence prevention programs that are showing remarkable success.

The study of the causes and consequences of violence in communities, and newly discovered methods for prevention, are particular strengths at UIC. The university has world-renowned researchers who are experts on violence, including terrorism, interpersonal violence/victimization, community violence, workplace violence, domestic violence, sexual violence, and school violence.

CeaseFire, founded by UIC professor Gary Slutkin, MD, is a scientific initiative that grew out of the Chicago Project for Violence Prevention in the School of Public Health and is now in great demand nationally and globally.

“CeaseFire is an entirely new way of approaching reducing violence—we are treating violence as an epidemic disease,” said Dr. Slutkin. “We are shifting the thinking from bad people to acquired or learned behavior that spreads like an infectious disease.”

What separates CeaseFire from other violence reduction methods is its basis on a public-health model, plus a high degree of focus on lethal violence. Dr. Slutkin, professor of epidemiology, School of Public Health, and executive director of CeaseFire, came up with the idea in the mid-1990s after treating infectious diseases, such as tuberculosis, cholera, and AIDS, in developing countries, primarily in Africa with the World Health Organization.

One of the main reasons CeaseFire works is because the method uses a professionalized system for recruiting and training people in the community to work as outreach workers and interrupters, therefore approaching violence as a disease rather than a law and order problem. “Interrupters are trained to detect and interrupt events and in the past five years have interrupted 1,400 potentially lethal events,” said Dr. Slutkin.

The initial results of CeaseFire showed an average 45 percent reduction in shootings in five Chicago neighborhoods. Some neighborhoods are now showing reductions of up to 67 percent.

CeaseFire was recently showcased in the film The Interrupters, produced by director Steve James (Hoop Dreams) and Alex Kotlowitz (There Are No Children Here), which tells the story of three of
“CeaseFire is an entirely new way of approaching reducing violence. We are shifting the thinking from bad people to acquired or learned behavior that spreads like an infectious disease.”

— Gary Slutkin, MD

“UIC is an excellent setting for this work in providing necessary support for health-related research in a large, diverse urban setting where, unfortunately, violence and crime are major issues.”

— SARAH ULLMAN, PhD

the 120 street-level violence prevention workers CeaseFire has in Chicago. The film had its world premiere at the 2011 Sundance Film Festival.

UIC is also home to the Interdisciplinary Center for Research on Violence (ICRV), an informal center that received one of the 2010 Center Seed Grant Awards. This group of approximately 35 scholars from Liberal Arts and Sciences, Public Health, Applied Health Sciences, Social Work, Medicine, and Nursing has been working on collaborative grants with 24 different community partner organizations in Chicago and statewide.

Sarah Ullman, PhD, professor of criminology, law, and justice, and one of the principal investigators for the 2010 Center Seed Grant, said that “violence is endemic to our society and communities.” She goes on to explain that “exposure to violence, including the witnessing of domestic violence by children in the family, is associated with poorer physical and mental health and higher rates of substance abuse, suicidality, and criminal behavior.”

Dr. Ullman is currently conducting an NIH-funded longitudinal study of rape victims’ recovery to better understand the risk and protective factors that affect their risk of revictimization and PTSD, substance abuse, and seeking of services. “UIC is an excellent setting for this work in providing necessary support for health-related research in a large, diverse urban setting where, unfortunately, violence and crime are major issues,” she said.

When asked how he viewed the future of research in this area, Dr. Slutkin noted that the violence-research field is very promising and that the area can be further developed. “We are now working with 15 cities and five other countries and are expanding into new areas of great interest, including deeper looks at behavior change, norm change, and the use of technology.”

Many researchers in this area agree that the research into violence dovetails other work on health disparities and minority access disparities. This is especially relevant for urban, underserved minority women and children and other diverse populations.

Said Dr. Ullman, “Given the ongoing recession and its likely continued impact in the short- and long-term, violence will continue and has already shown signs of increasing. This warrants continued attention and research-based prevention/intervention strategies, particularly for research universities in urban areas such as UIC.”
“The mission of the Monarch Center is to ensure that all personnel programs are incorporating evidence-based practices and that they are preparing educators who can effectively serve children from diverse backgrounds through the use of culturally responsive practices.”

— NORMA LOPEZ-REYNA, PhD
UIC takes pride in the fact that researchers across campus are working to combat health and educational disparities in the neighborhoods surrounding our campus and across the nation. The UIC Monarch Center is focused on just that. The center, the only one of its kind, was established in 2003 to support teacher and related services preparation programs and increase the numbers and quality of their professional graduates.

“The overarching goal of the Monarch Center is to effect positive change in the lives of children with disabilities, particularly those from culturally and linguistically diverse backgrounds,” said Norma Lopez-Reyna, PhD, associate professor of special education and the center’s director.

The Monarch Center is a national technical assistance center, funded by the Office of Special Education Programs (OSEP) in the Department of Education. “Our purpose,” said Dr. Lopez-Reyna, “is to provide support, services, and resources to higher-education faculty across the nation who are engaged in personnel preparation of special education teachers, school psychologists, speech language pathologists, occupational therapists, and physical therapists toward serving children and youth with disabilities in school settings.”

The center provides direct technical assistance to faculty who train special educators at minority institutions of higher education (MIHEs) where the enrollment is at least 25 percent minority, including historically black colleges and universities (HBCUs), and tribal colleges serving Native Americans.

Statistics show there is an overrepresentation of minority students who are receiving special education services. Researchers theorize that this may be because some teachers are unable to distinguish cultural differences from disabilities and refer minority students to special education when it is not needed. “Furthermore,” said Dr. Lopez-Reyna, “as the proportion of our nation’s school populations continue to grow in cultural and linguistic diversity, it is imperative that all educators be prepared to serve children from diverse backgrounds and with a range of learning abilities and needs.”

“The mission of the Monarch Center is to ensure that all personnel programs are incorporating evidence-based practices,” said Dr. Lopez-Reyna, “and that they are preparing educators who can effectively serve children from diverse backgrounds through the use of culturally responsive practices.”

“On the other hand,” said Dr. Lopez-Reyna, “we offer workshops, seminars, and individual consultation on topics including everything from how to write successful grant proposals for obtaining scholarship funding for students, to how to improve the content and quality of course work and field experiences for educators in training. Most important is that we also provide ‘follow-along’ support after they have attended a workshop or seminar,” she said. “We assign a mentor, a more experienced faculty member from another institution, who provides guidance based on their knowledge and experience.”

The Monarch Center’s coprincipal investigators are Mary Bay, PhD, associate professor emerita of special education, and Barbara Guillory, PhD, project coordinator in special education. All three work as a team to determine Monarch’s goals and to design and guide activities to reach these goals, monitor progress, and disseminate results.

Over the past eight years, the center has been effective, as evidenced by the doubled probability of grant funding by faculty members who receive their services compared to those who do not and by the detailed reports from faculty regarding the development of new programs and the redesigning of existing programs to better serve future educators.

Dr. Lopez-Reyna finds that UIC offers a “great intersection of excellent colleagues, a multitude of communities that we can work with, a diverse population of students from which to recruit, and strong supports for research.”
“In our attempt to understand complex disease, you can’t focus on just one group. You need diversity, and UIC has that. Our access to diverse patient populations provides us with a portfolio that is unique to the city.”

— RICK KITTLES, PhD
Rick Kittles, PhD, is well known for his research on genetic ancestry, prostate cancer risk factors, and health disparities among African Americans. Not even a decade ago, his work on genetic markers informative for ancestry was rebuffed by his colleagues. Now, ten years later, these biomarkers have become standard in research.

Dr. Kittles, associate professor of hematology and oncology in the Department of Medicine, studies diseases that disproportionately impact people of African American descent, primarily focusing on prostate cancer. His findings are interesting because many susceptibility loci found in white males are not necessarily risk factors for African American men.

Dr. Kittles, who was recruited to UIC in 2010, was part of a large collaborative group across 10 research institutions that recently completed a genetic study examining over 3,500 African American men with prostate cancer. From that study, he found that one of the major regions in the genome that impacts risk is on chromosome 8, but there is no clear gene there.

“You traditionally find DNA variants in genes so you can say that a malfunction in the gene is contributing to the risk, but not in this case. What’s interesting about chromosome 8 is that there is no gene in this region of increased risk. In this case, we have what is known as a ‘gene desert.’”

Dr. Kittles’s work continues to open up new paradigms in genetic research on prostate cancer risk. “We have improved the predictability of the PSA biomarker test for prostate cancer,” he said. “We found that if we also estimated genetic ancestry, we could increase the predictability of the biomarker. This is helping us improve diagnostics to determine who is at a greater risk. We are working on determining the molecular phenotype of the tumors, so we will be able to target the more lethal strain of prostate cancer and be aggressive in treatment.”

Dr. Kittles and colleagues were among the first to develop and utilize ancestry informative markers. “Biologically, there is a great deal of genetic diversity within the African American population, yet historically there was a lot of neglect in terms of study,” he said. “Scientists did not know how to handle so much genetic variation.” But now, thanks to his research, they can take advantage of that variation and leverage it to map genes for disease.

In addition to his research and community outreach, he is scientific director and cofounder of African Ancestry, Inc., a private company that provides DNA testing services for tracing African genetic lineages to genealogists and the general public around the world.

Dr. Kittles is committed to prostate cancer because of the disparity in incidence and mortality among underrepresented minorities. Little attention has been placed on Hispanics and African Americans with prostate cancer until now. Educating these groups is just as important as finding ways to treat them, which is why he has also taken on the role of associate director for outreach in the UIC Cancer Center. “In our attempt to understand complex disease, you can’t focus on just one group,” he said. “You need diversity, and UIC has that.”
1 Dennis Judd, PhD, professor of political science and interim director of the Great Cities Institute, is a leading contributor to the literature on urban political economy, urban economic development, national urban policy, and urban revitalization. 2 George Crabtree, PhD, distinguished professor of physics and a member of the National Academy of Sciences. Research interests include materials science, sustainable energy, nanoscale superconductors and magnets, vortex matter in superconductors, and highly correlated electrons in metals. 3 Cecilia Gerber, PhD, associate professor of physics. Her novel work with colleagues utilized the behavior of the single top quark to search for new physics beyond the standard model. 4 Sharon Haar, MArch, associate professor in the School of Architecture. Her book, The City as Campus, used Chicago as a case study to examine how universities interact with their urban contexts, demonstrating how higher education became integrated with ideas of urban growth as schools evolved alongside the city.
URBAN RESILIENCE & THE GLOBAL ENVIRONMENT AWARDS

Anthony Pagano, PhD, associate professor of managerial studies, College of Business Administration, Fulbright Scholar, and Distinguished Service Award from the Transportation Research Forum.

Jean Bogner, PhD, research faculty in earth and environmental sciences, College of Liberal Arts & Sciences, earned a share of the Nobel Peace Prize with former Vice President Al Gore and a team of researchers working on global warming. Dr. Bogner was part of a network of two thousand scientists from around the world who shared the prize. Bogner was the lead author on the chapter on waste management in the panel’s global warming report.

Lifetime Contributions to the Study of Urban Community, American Sociological Association: Anthony Orum, PhD, professor of sociology, College of Liberal Arts & Sciences.

Camile and Henry Dreyfus Foundation: Senior Scientist Mentor Award, Cynthia J. Jameson, PhD, professor emeritus of chemical engineering, College of Engineering.

Barbara Risman, PhD, professor and head of sociology, College of Liberal Arts & Sciences, Award for Public Understanding of Sociology from the American Sociological Association, 2011.

Anna Guevarra, PhD, associate professor of Asian American studies and sociology, College of Liberal Arts & Sciences, 2010 Tanglaw Award for Outstanding Achievement in Education and the 2010 Distinguished Contribution to Scholarship Book Award from the American Sociological Association’s Race, Class, and Gender Section for her book, Marketing Dreams, Manufacturing Heroes: The Transnational Labor Brokering of Filipino Workers.

Cecilia Gerber, PhD, associate professor of physics, and Sivalingam Sivnanthan, PhD, professor of physics, College of Liberal Arts & Sciences, American Physical Society Fellows.

Izzet Coskun, PhD, associate professor of mathematics, statistics and computer sciences, College of Liberal Arts & Sciences. Sloan 2009, CAREER 2010. The Sloan is a prestigious research fellowship from the Alfred P. Sloan Foundation awarded to “early career scientists and scholars who demonstrate outstanding promise and potential to contribute substantially to their fields.” The National Science Foundation’s Faculty Early Career Development Award is the foundation’s most prestigious honor for junior faculty.

Mathematics, Statistics & Computer Science (MSCS) Assistant Professor Irina Nenciu, PhD, has received a National Science Foundation Faculty Early CAREER Development Award. Nenciu’s project is Long-time asymptotics of completely integrable systems with connections to random matrices and partial differential equations.

MSCS Emeritus Professor Stephen Smith, DPhil, and his coauthors have been awarded the 2012 American Mathematical Society Steele Prize for Expository Writing for their paper The Classification of Finite Simple Groups: Groups of Characteristic 2 Type.

The National Science Foundation awarded a two-year $250,000 grant to Moira Zellner, PhD, assistant professor of urban planning and policy, and a team of researchers in urban planning, computer science, education, and biology, to devise visualization tools that will help stakeholders manage water resources in the Chicago region.

George Crabtree, PhD, distinguished professor of physics and a member of the National Academy of Sciences, was the second person to earn a PhD in his field from UIC. He is working to create an integrated, interdisciplinary center on energy and sustainability and represents UIC to the U.S. Department of Energy and other funding and regulatory agencies.

Samuel Dorevitch, PhD, associate professor of environmental and occupational health sciences. Dorevitch was the principal investigator on a study that showed canoeing, kayaking, rowing, boating, and fishing on the Chicago River pose the same risk of gastrointestinal illness as performing these same activities on other local waters. The study is the first in the United States to evaluate health and environmental factors associated with these “limited-contact” water recreation activities. The study was funded by the Metropolitan Water Reclamation District of Greater Chicago, a regional taxing body responsible for treating wastewater.
New Book Details Fragility of Homeowner Associations

Nearly 20 percent of the U.S. population resides in private communities otherwise known as common interest developments, yet a slow collapse of the entire system is underway, according to Evan McKenzie, PhD, associate professor of political science.

A lack of governmental oversight is one of the reasons that community and homeowner associations don’t function as intended, noted McKenzie, who wrote Beyond Privatopia: Rethinking Residential Private Government.

“The key to effective privatization is maintaining accountability to government standards,” he said. “The current system needs clear operational standards, required training in housing association management for affiliated volunteers and professionals, and efficient low-cost grievance procedures.”

A development’s control of neighborhood services is often a selling point to potential buyers, but McKenzie points out that the law of common interest communities can often impinge on civil liberties. “Residents often contend with intrusions an elected government would not be able to make, like a ban on pets or yard decorations,” he said. “If things go wrong, the contracts residents must sign to purchase within the community give them little legal recourse.”

“Municipalities can help the situation by restoring choice to the housing market by ceasing requirements that all new housing be in common interest developments,” said McKenzie, who is an attorney. He recommends that state governments follow the lead of Nevada, Florida, and Virginia by establishing an intermediary office to handle residents’ complaints.

Home-owner and condominium associations, land use, and urban politics and policy are among McKenzie’s areas of research interest. He also works on related matters as an attorney, consultant, and expert witness. In 2006, his testimony was cited in the first ruling by a federal court that said private home-owner associations must follow constitutional protections such as freedom of speech.


UIC Faculty Books

Dennis Judd, PhD, Professor, Political Science
CITY POLITICS: THE POLITICAL ECONOMY OF URBAN AMERICA
Praised for its narrative style, strong research base, and distinctive theme—that urban politics in the United States has evolved as a dynamic interaction between governmental power and private purposes—the Fifth Edition of this text focuses more explicitly on tracing the three distinct periods in the nation’s urban development: the industrial era, the era of urban crisis, and the global era.

Sharon Haar, MArch, Associate Professor, School of Architecture
THE CITY AS CAMPUS: URBANISM AND HIGHER EDUCATION IN CHICAGO
Growing up on Long Island, “I knew at a young age that suburban life was not for me,” said Sharon Haar, associate professor of architecture. “Visiting museums, using chopsticks in Chinese restaurants—that was the kind of person I wanted to be.”

Luis Alberto Urrea, MFA, LAS Distinguished Professor, English
Urrea, a 2005 Pulitzer Prize finalist for nonfiction, a member of the Latino Literature Hall of Fame, and the author of 13 books, has won numerous awards for his poetry, fiction, and essays, some of which reflect his personal knowledge and experience of the U.S.-Mexico border culture. He won an Edgar Award from the Mystery Writers of America in 2009 for his short story “Amapola.”

The Devil’s Highway, Urrea’s 2004 nonfiction account of a group of Mexican immigrants lost in the Arizona desert, won the Lannan Literary Award and was a finalist for the Pulitzer Prize and the Pacific Rim Kiriyama Prize. His historical novel, The Hummingbird’s Daughter, tells the story of Teresa Urrea, the unofficial Saint of Cabora, known as Mexico’s Joan of Arc, and a distant relative. The book, which involved 20 years of research and writing, won the Kiriyama Prize in fiction. A sequel titled Queen of America was published in November 2011. The Devil’s Highway, The Hummingbird’s Daughter, and Into the Beautiful North—about a girl who leaves her remote Mexican village to find her long-absent father in Kankakee—have been chosen by more than 30 different cities and colleges for one-book community reading programs.

Urrea, who was born in Tijuana, Mexico, to a Mexican father and an American mother, has taught creative writing at UIC since 1999.
“UIC, and particularly the departments I am affiliated with, have outstanding scholars who push me to improve my research in important and varied ways.”

— MATTHEW HALL, PhD
Each year, thousands of immigrants enter the United States, both legally and illegally. What may surprise people, according to Matthew Hall, PhD, assistant professor of sociology, “is that there are actually more high-skill than low-skill immigrants in the United States today, and the areas with the largest concentrations of high-skill immigrants are places we don’t particularly think of as being high-skill hubs: Pittsburgh, Detroit, Cleveland, Buffalo, Baltimore, and other old industrial cities.”

This finding, detailed in a new study from the Brookings Institution coauthored by Dr. Hall, The Geography of Immigrant Skills: Educational Profiles of Metropolitan Areas, concludes that the growing economic contributions of America’s immigrants need to be better reflected in national policy.

Dr. Hall’s hope is that these findings encourage policy makers to think more broadly about immigrant policy. “We should not just be having a conversation about illegal immigrants in our communities, but focusing on how we can leverage the strengths of the diverse immigrant population we have for our nation’s economic advantage,” he said.

Research by Dr. Hall focuses on the causes and consequences of “new” (post-1980) immigration. Most of his work focuses on immigrant settlement in emerging destination areas—communities outside of the major gateways of New York City, Chicago, and Los Angeles. For example, he has examined where, within these broader areas, immigrants settle and with whom they share neighborhoods, how immigrants in these labor markets fare economically, and the impact of local immigration on native-born residential and economic outcomes.

Dr. Hall’s research has also shown that “immigrant-native segregation is higher in ‘new’ destinations than in traditional gateways.” While undocumented immigration tends to bolster segregation between Mexican immigrants and native whites, it actually has the opposite impact for segregation between Mexican immigrants and native blacks—leading to more integration between the two groups.

The research, he said, “shows that we need to be sensitive to how responses to immigration vary by location and by group. More specifically, we need to be mindful that immigration has the potential to bring great benefits to communities, but that the native populations in ‘new’ areas often respond negatively to immigrants. What the mechanisms behind these responses are clearly needs to be on the future research agenda.”

UIC and its students have gained advantages from his research. “I believe my research has been beneficial to the UIC community as the perspective I bring—one that is interdisciplinary in focus—is unique to the campus,” Dr. Hall said.

Dr. Hall also has an appointment as an assistant professor in the Institute of Government and Public Affairs. “It is very important for me to be affiliated with a department that includes a mix of academics and researchers from several different disciplines who are interested in engaging the nonacademic world,” he explained.

Dr. Hall said he chose UIC because of its strong reputation as a top-tier urban university. “UIC, and particularly the departments I am affiliated with, have outstanding scholars who push me to improve my research in important and varied ways,” he noted. “Moreover, being able to observe and study the populations that I am interested in within the City of Chicago is incredibly valuable.”
Fuel cells that use hydrogen or methane to generate electricity in chemical reactions—while shedding only harmless byproducts like water—are dream products for anyone searching for clean, alternative ways to power tomorrow’s vehicles.

While high hurdles stand before the cheap manufacturing of fuel cells, engineers and scientists at UIC and Argonne National Laboratory are starting a tightly focused research project to develop solid-oxide fuel cells to meet this goal.

“Solid-oxide fuel cells offer the potential to scale down to very small dimensions,” said Christos Takoudis, PhD, professor of bioengineering and chemical engineering. Dr. Takoudis is lead investigator in a new $475,000 National Science Foundation grant to investigate ways to synthesize and characterize this type of fuel cell in a lower temperature range than currently used.

Solid-oxide fuel cells oxidize fuels by electrochemical conversion to create electricity, using a solid oxide as the electrolyte between an anode and cathode circuit. While their small size and solid state are attractive, the higher operating temperatures required by solid-oxide fuel cells—as high as 1,800 degrees Fahrenheit—are a big drawback. Dr. Takoudis and his colleagues hope they can lower the operating temperatures to an “intermediate range” of between 1,100 and 1,500 degrees. They also want to see if such fuel cells can be created at the “nano” level, measuring thickness in mere single-digit layers of atoms.

“We’re trying to come up with new materials and processes to make these fuel cells very efficient at lower temperatures. Material and design demands for higher temperatures are much more severe and require additional precautionary measures,” Dr. Takoudis said. “As dimensions shrink, it becomes even more important because the actual contact area is much greater with respect to the total volume than it is in bigger systems,” he said.

UIC researchers will grow materials to test as potential solid anodes, cathodes, and electrolytes for the fuel cells. They will then use Takoudis’s lab and Argonne’s Advanced Photon Source for a close probe of the materials as they generate electricity.

Jeffrey Miller, PhD, leader of Argonne’s heterogeneous catalysis group, will oversee that part of the work. Other project investigators working with Dr. Takoudis include Gregory Jursich, PhD, and Alan Zdunek, PhD, adjunct professors of engineering, and Robert Klie, PhD, associate professor of physics.

Creating microscopic-sized, cooler-operating, highly efficient solid-oxide fuel cells may open up a world of possible applications that are both ecologically benign and cheap. “Today’s cost of fuel cells is prohibitive,” Dr. Takoudis said. “Our group wants to push the technology envelope to help make the costs reasonable and create a power source that does little harm to the environment.”

Story by Paul Francuch
The pitch for the award-winning thermos-like invention Alan Feinerman, PhD, developed makes you want to listen closely.

It's called a tensile “vacuum insulation panel,” or “VIP” for short, and he says it can reduce diesel fuel consumption by 75 percent for refrigerated trailers. He estimates this would save 360 million gallons of diesel fuel each year in the United States—“nearly the volume of the Willis Tower.”

Dr. Feinerman, associate professor of electrical and computer engineering, won the $30,000 business concept award in the 2011 Clean Energy Challenge, a contest that pits area companies against each other for the best clean energy business ideas.

While flat VIPs already exist, Dr. Feinerman says his design is better because of its inexpensive tensile supports, stainless steel puncture-resistant exterior, and minimal heat loss at the edges. Dr. Feinerman is building his first prototype.

National Science Foundation funding helped get the project started. The Clean Energy win means an additional $15,000 match from the NSF to help keep it going. The Clean Energy prize will help pay for salaries and equipment for a company Dr. Feinerman and three UIC MBA students started, Thermal Conservation Technologies.

“The students did an incredible job pitching the concept at business plan competitions across the country,” he said. “I think they won an award in every competition.”

Two of the students took a buy-out after Dr. Feinerman received NSF funding. He continues to work with James Parks, who studied under Rod Shrader, PhD, associate professor of managerial studies, and doctoral student Prateek Gupta.

Dr. Feinerman hopes to expand into refrigerator, oven, and building insulation. “Our VIP offers significant energy, cost, and space savings—and is scalable,” he said.

The Clean Energy Challenge is part of the Clean Energy Trust, funded by a U.S. Department of Energy grant. It was founded in 2010 by Chicago investor Nicholas Pritzker and Michael Polsky, president and CEO of Chicago-based Invenergy, a wind-power firm.

_Story by Paul Francuch_

Dr. Alan Feinerman was named the 2011 UIC Inventor of the Year. His groundbreaking research into the development of ultra-low thermal conductivity insulation panels, combined with a firm dedication to seeing his discoveries transition from the lab to the marketplace, truly reflect the outstanding spirit of innovation and inventorship that exists across the UIC campus.
<table>
<thead>
<tr>
<th>Title</th>
<th>Author</th>
<th>Publisher &amp; Year Published</th>
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</thead>
<tbody>
<tr>
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<td>SPRINGER, 2011</td>
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</tr>
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</tr>
<tr>
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</tr>
<tr>
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<td>ROUTLEDGE, 2011</td>
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<td>ROUTLEDGE, 2011</td>
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</tr>
<tr>
<td>POLYVAGAL THEORY: NEUROPHYSIOLOGICAL FOUNDATIONS OF EMOTIONS, ATTACHMENT, COMMUNICATION, AND SELF-REGULATION</td>
<td>PORGES, STEPHEN W.</td>
<td>W W NORTON, 2011</td>
</tr>
<tr>
<td>CONVERSACIONES ESCRITAS: LECTURA Y REDACCIÓN EN CONTEXTO</td>
<td>POTOWSKI, KIM</td>
<td>JOHN WILEY, 2011</td>
</tr>
<tr>
<td>ON NARRATIVE INQUIRY: APPROACHES TO LANGUAGE AND LITERACY RESEARCH</td>
<td>SCHAAFSMA, DAVID</td>
<td>TEACHERS COLLEGE PRESS, 2011</td>
</tr>
<tr>
<td>TRI-FaITH AMERICA: HOW CATHOLICS AND JEWS HELD POSTWAR AMERICA TO ITS PROTESTANT PROMISE</td>
<td>SCHULTZ, KEVIN MICHAEL</td>
<td>OXFORD UNIVERSITY PRESS, 2011</td>
</tr>
<tr>
<td>COMPUTATIONAL DYNAMICS</td>
<td>SHABANA, AHMED A.</td>
<td>JOHN WILEY, 2010</td>
</tr>
<tr>
<td>STRUGGLE FOR POWER AND INFLUENCE IN CITIES AND STATES</td>
<td>SIMPSON, DICK W.</td>
<td>LONSDALE, 2011</td>
</tr>
<tr>
<td>OAK PARK: THE EVOLUTION OF A VILLAGE</td>
<td>SMYLYE, MARK A.</td>
<td>CORWIN SAGE, 2010</td>
</tr>
<tr>
<td>OUTSMARTING MOTHER NATURE: A WOMAN’S COMPLETE GUIDE TO PLASTIC SURGERY</td>
<td>SWEIS, ILIANA E.</td>
<td>PRAEGER, 2010</td>
</tr>
<tr>
<td>GOETHE’S MODERNISMS</td>
<td>TANTILLO, ASTRIDA ORLE</td>
<td>CONTINUUM, 2010</td>
</tr>
<tr>
<td>NONELLIPTIC PARTIAL DIFFERENTIAL EQUATIONS: ANALYTIC HYPOELLIPTICITY AND THE COURAGE TO LOCALIZE HIGH POWERS OF T</td>
<td>TARTAKOFF, DAVID S.</td>
<td>SPRINGER, 2011</td>
</tr>
<tr>
<td>PRAGUE PALIMPSEST: WRITING, MEMORY, AND THE CITY</td>
<td>THOMAS, ALFRED</td>
<td>UNIV OF CHICAGO PRESS, 2010</td>
</tr>
<tr>
<td>ESSENTIALS OF PUBLIC HEALTH</td>
<td>TURNOCK, BERNARD J.</td>
<td>JONES &amp; BARTLETT LEARNING, 2011</td>
</tr>
<tr>
<td>TALKING ABOUT SEXUAL ASSAULT: SOCIETY’S RESPONSE TO SURVIVORS</td>
<td>ULLMAN, SARAH E.</td>
<td>AMERICAN PSYCHOLOGICAL ASSN, 2010</td>
</tr>
<tr>
<td>ADVANCING STUDENT ACHIEVEMENT</td>
<td>WALBERG, HERBET J.</td>
<td>HOOVER INSTITUTION PRESS, 2010</td>
</tr>
<tr>
<td>HISTORY OF FILM</td>
<td>WEXMAN, VIRGINIA WRIGHT</td>
<td>ALLYN &amp; BACON, 2010</td>
</tr>
<tr>
<td>INTRUSION DETECTION: A MACHINE LEARNING APPROACH</td>
<td>YU, ZHENWEI</td>
<td>IMPERIAL COLLEGE PRESS, 2011</td>
</tr>
<tr>
<td>MANAGING THE BODY: BEAUTY, HEALTH, AND FITNESS IN BRITAIN, 1880-1939</td>
<td>ZWEINIGER-BARGELOWSKA, INA</td>
<td>OXFORD UNIVERSITY PRESS, 2010</td>
</tr>
</tbody>
</table>
FACULTY AWARDS

NATIONAL ACADEMIES
(INSTITUTE OF MEDICINE, NATIONAL ACADEMY OF ENGINEERING, NATIONAL ACADEMY OF SCIENCES)

INSTITUTE OF MEDICINE
Paula Allen-Meares, chancellor, John Corbally
Presidential Professor, Jane Addams College of Social Work, College of Education, School of Public Health
Caswell Evans, associate dean for prevention and public health sciences, College of Dentistry
Joe G. N. “Skip” Garcia, vice president for health affairs and former vice chancellor for research, Earl M. Barnes Professor of Medicine, Pharmacology, and Bioengineering, College of Medicine

NATIONAL ACADEMY OF ENGINEERING
Rodica Baranesca, professor, Mechanical Engineering, College of Engineering
David Borth, professor, Electrical & Computer Engineering, College of Engineering

NATIONAL ACADEMY OF SCIENCES
Lowell Hager, professor emeritus, Biochemistry, College of Medicine at Urbana-Champaign
George Crabtree, professor, Physics, College of Liberal Arts & Sciences

FACULTY AWARDS AND FELLOWSHIPS

ALEXANDER VON HUMBOLDT FELLOWSHIPS
Kevin Barnhurst, professor, Communication, College of Liberal Arts & Sciences (withdrew)
David Featherstone, associate professor, Biology, College of Liberal Arts & Sciences
Patrick Fortman, assistant professor, Germanic Studies, College of Liberal Arts & Sciences
Jack H. Kaplan, professor, Biochemistry and Molecular Genetics, College of Medicine
Tim Keiderling, professor, Chemistry, College of Liberal Arts & Sciences
Anthony S. Laden, associate professor, Philosophy, College of Liberal Arts & Sciences
Luis Lopez, professor, Spanish, French, Italian and Portuguese, College of Liberal Arts & Sciences
Dirk Morr, associate professor, Physics, College of Liberal Arts & Sciences
Charles Rhodes, professor, Physics, College of Liberal Arts & Sciences
Janet Richmond, professor, Biological Sciences, College of Liberal Arts & Sciences
Sally Sedgwick, professor, Philosophy, College of Liberal Arts & Sciences
Ahmed Shabana, UIC distinguished professor, Mechanical Engineering, College of Engineering

AMERICAN COUNCIL OF LEARNED SOCIETIES FELLOWSHIPS
James E. Cracraft, professor emeritus, History, College of Liberal Arts & Sciences
Lennard Davis, professor, English, College of Liberal Arts & Sciences
Nicholas Huggett, professor, Philosophy, College of Liberal Arts & Sciences
George Huppert, professor, History, College of Liberal Arts & Sciences
Peter Hylton, professor, Philosophy, College of Liberal Arts & Sciences
Michael Lieb, professor emeritus, English, College of Liberal Arts & Sciences
Martha Pollack, professor, Art History, College of Architecture & the Arts
Mary Beth Rose, professor, English, College of Liberal Arts & Sciences
Sally Sedgwick, professor, Philosophy, College of Liberal Arts & Sciences

AMERICAN PHILOSOPHICAL SOCIETY
Sydney Halpern, professor, Sociology, College of Liberal Arts & Sciences
Daniel Sutherland, associate professor, Philosophy, College of Liberal Arts & Sciences

FOLGER LIBRARY POSTDOCTORAL FELLOWSHIPS
Mary Beth Rose, professor, English, College of Liberal Arts & Sciences

FORD FOUNDATION FELLOWSHIPS
Aixa Alfonso, associate professor, Biological Sciences, College of Liberal Arts & Sciences
Barry Chiswick, professor, Economics, College of Liberal Arts & Sciences
Geula Gibori, distinguished professor, Physiology and Biophysics, College of Medicine
Anna C. Roosevelt, professor, Anthropology, College of Liberal Arts & Sciences

FULBRIGHT AWARDS
Kevin G. Barnhurst, professor, Communication, College of Liberal Arts & Sciences
Ellen BeGole, associate professor, Orthodontics, College of Dentistry - Senior Scholars Fulbright Award
John-Jairo Betancur, associate professor, Urban Planning and Policy, College of Urban Planning & Public Affairs
Nicholas Mainey Brown, associate professor, English, College of Liberal Arts & Sciences
Hui-Ching Chang, associate professor, Communication, College of Liberal Arts & Sciences
Barry Chiswick, professor, Economics, College of Liberal Arts & Sciences
Ralph Cintor, associate professor, English, College of Liberal Arts & Sciences
Lennard Davis, professor, English, College of Liberal Arts & Sciences
Geri Rachel Donenberg, professor, Psychiatry, College of Medicine
Richard M. Fried, professor emeritus, History, College of Liberal Arts & Sciences
Kirk Arden Hoppe, associate professor, History, College of Liberal Arts & Sciences
Geula Gibori, distinguished professor, Physiology and Biophysics, College of Medicine
Anna Guerra, assistant professor, Sociology and Asian American Studies, College of Liberal Arts & Sciences
Timothy Keiderling, professor, Chemistry, College of Liberal Arts & Sciences
Mi Ja Kim, professor, College of Nursing
Mark F. Liechty, associate professor, Anthropology, College of Liberal Arts & Sciences
Nathan Lawrence Linsk, professor, Jane Addams College of Social Work
Anatoly S. Libgober, professor emeritus, Mathematics, Statistics and Computer Science, College of Liberal Arts & Sciences
Alejandro Luis Madrid, assistant professor, Latin American and Latino Studies, College of Liberal Arts & Sciences
Richard L. Magin, professor, Bioengineering, College of Engineering
Carol M. Myford, associate professor, Educational Psychology, College of Education
Babette J. Neuberger, clinical associate professor, School of Public Health
James L. Norr, assistant professor emeritus, Sociology, College of Liberal Arts & Sciences
Kathleen F. Norr, professor, Women, Child, and Family Health Science, College of Nursing
Anthony Mendil Orum, professor, Sociology, College of Liberal Arts & Sciences
Anthony M. Pagano, associate professor, Managerial Studies, College of Business Administration
Amalia Veronika Pallares, associate professor, Political Science, College of Liberal Arts & Sciences
Nadine Ruth Peacock, associate professor, Community Health Sciences, School of Public Health
Michael Pernan, professor, History, College of Liberal Arts & Sciences
Anna C. Roosevelt, professor, Anthropology, College of Liberal Arts & Sciences
James F. Seering, professor, History, College of Liberal Arts & Sciences
Laurie Schaffner, associate professor, Sociology, College of Liberal Arts & Sciences
Miriam C. Schoeman, program coordinator, Orientation, College of Liberal Arts & Sciences
Alan Schwartz, associate professor, Medical Education, College of Medicine
Ahmed A. Shabana, UIUC distinguished professor, Mechanical and Industrial Engineering, College of Engineering
Daniel Scott Smith, professor emeritus, History, College of Liberal Arts & Sciences
Joseph Paul Tabbi, professor, English, College of Liberal Arts & Sciences
John Vairo, professor, Classics and Mediterranean Studies, College of Liberal Arts & Sciences
Mary Beth Watson-Manheim, associate professor, Information and Decision Sciences, College of Business Administration
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Lisa Freeman, associate professor, English, College of Liberal Arts & Sciences

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Lennard Davis, professor, English, College of Liberal Arts & Sciences
John D’Emilio, professor, Gender and Women’s Studies and History, College of Liberal Arts & Sciences
Leon Fink, professor, History, College of Liberal Arts & Sciences
Gerald Graff, professor, English, College of Liberal Arts & Sciences
Clark Hulse, professor, English, College of Liberal Arts & Sciences
George Huppert, professor, History, College of Liberal Arts & Sciences
Joseph Jachna, professor emeritus, Art and Design, College of Architecture & the Arts
Timothy Keiderling, professor, Chemistry, College of Liberal Arts & Sciences
Michael Lieb, professor emeritus, English, College of Liberal Arts & Sciences
Silvia Malagrinó, associate professor, Art and Design, College of Architecture & the Arts
Jennifer Montgomery, assistant professor, Art and Design, College of Architecture & the Arts
Michael Pernan, professor, History, College of Liberal Arts & Sciences
Anthony Tasso, professor, Art and Design, College of Architecture & the Arts
B. Stephen Warner, professor emeritus, Sociology, College of Liberal Arts & Sciences
Anne Winters, professor, English, College of Liberal Arts & Sciences
Stephen Shing-Toung Yau, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Jason Yuan, professor, Department of Medicine, College of Medicine

MACARThUR AWARDS
Anna Roosevelt, professor, Anthropology, College of Liberal Arts & Sciences

NATIONAL ACADEMY OF EDUCATION
Jim Pellegrino, professor, Psychology, College of Liberal Arts & Sciences, and Curriculum and Instruction, College of Education
Susan Goldman, professor, Psychology, College of Liberal Arts & Sciences, and Curriculum and Instruction, College of Education

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Brian Bauer, professor, Anthropology, College of Liberal Arts & Sciences
Christopher R. Boyer, associate professor, History and Latin American and Latino Studies, College of Liberal Arts & Sciences
Burton J. Bledstein, associate professor, History, College of Liberal Arts & Sciences
A. LaVonne Brown Ruoff, professor emerita, English, College of Liberal Arts & Sciences
Robert Bruegmann, professor, Art History, College of Architecture & the Arts
James E. Cracraft, professor emeritus, History, College of Liberal Arts & Sciences
James H. Dee, associate professor emeritus, Classics and Mediterranean Studies, College of Liberal Arts & Sciences
John D’Emilio, professor, Gender and Women’s Studies and History, College of Liberal Arts & Sciences
George T. Dickie, professor emeritus, Philosophy, College of Liberal Arts & Sciences
Anne Eaton, assistant professor, Philosophy, College of Liberal Arts & Sciences
Stephen Engelmann, associate professor, Political Science, College of Liberal Arts & Sciences
Susan Tax Freeman, professor emerita, Anthropology, College of Liberal Arts & Sciences
Judith K. Gardiner, professor, English and Gender and Women’s Studies, College of Liberal Arts & Sciences
Peter B. Hales, professor, Art History, College of Architecture & the Arts
Sydney Halpern, professor, Sociology, College of Liberal Arts & Sciences
Clark Hulse, professor, English, College of Liberal Arts & Sciences
George Huppert, professor, History, College of Liberal Arts & Sciences
Peter Hylton, professor, Philosophy, College of Liberal Arts & Sciences
David P. Jordan, professor, History, College of Liberal Arts & Sciences
Kyoko Inoue, professor emerita, English, College of Liberal Arts & Sciences
Alex S. Kurczaba, associate professor, Slavic and Baltic Language and Literatures, College of Liberal Arts & Sciences
Anthony S. Laden, associate professor, Philosophy, College of Liberal Arts & Sciences
Michael Lieb, professor emeritus, English, College of Liberal Arts & Sciences
FACULTY AWARDS continued

Ned Lukacher, professor, English, College of Liberal Arts & Sciences
Klaus Muller-Bergh, professor emeritus, Spanish, French, Italian, and Portuguese, College of Liberal Arts & Sciences
Olga B. Nedeljkovic, professor emerita, Slavic and Baltic Language and Literatures, College of Liberal Arts & Sciences
John T. Ramsey, professor, Classics and Mediterranean, College of Liberal Arts & Sciences
John S. Rothenow, professor emeritus, English, College of Liberal Arts & Sciences
Anna C. Roosevelt, professor, Anthropology, College of Liberal Arts & Sciences
Mary Beth Rose, professor, English, College of Liberal Arts & Sciences
Natalie C. Schmitt, professor emerita, Theater and Music, College of Architecture & the Arts
Sally Sedgwick, professor, Philosophy, College of Liberal Arts & Sciences
R. Stephen Warner, professor emeritus, Sociology, College of Liberal Arts & Sciences

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Daniel Scott Smith, professor emeritus, History, College of Liberal Arts & Sciences

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Alina Cojocara, associate professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Marc Culler, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Lawrence Ein, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Shmuel Friedland, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Susan Friedlander, professor emerita, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Henri Gillet, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences

James Heitsch, professor emeritus, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Steven Hurder, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Rasma Karklins, professor emerita, Political Science, College of Liberal Arts & Sciences
Anatoly Libgober, professor emeritus, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Howard Masur, professor emeritus, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Irina Nenciu, assistant professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Bhama Srinivasan, professor emeritus, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
David Tartakoff, professor emeritus, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Philip Wagreich, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
R. Stephen Warner, professor emeritus, Sociology, College of Liberal Arts & Sciences

RESIDENCY AT THE WOODROW WILSON CENTER FOR SCHOLARS
Rasma Karklins, professor emerita, Political Science, College of Liberal Arts & Sciences

ROCKEFELLER FELLOWSHIPS
Ralph Cintron, associate professor, English, College of Liberal Arts & Sciences
Peter Hylton, professor, Philosophy, College of Liberal Arts & Sciences

SLOAN FELLOWSHIPS
Daniel Bernstein, professor, Computer Science, College of Engineering
Izzet Coskun, assistant professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Marc Culler, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Laura DeMarco, associate professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Lawrence Ein, LAS distinguished professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences

Howard A. Masur, professor emeritus, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Dhruv Mubayi, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Mihnea Popa, associate professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Peter B. Shalen, LAS distinguished professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Brooke Shipley, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Mikhail Stephanov, associate professor, Physics, College of Liberal Arts & Sciences
Kevin Whyte, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Stephen Shing-Toung Yau, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
OTHE\R HONORIFIC AND DISCIPLINE-SPECIFIC SO\CIETIES, FELLO\WSHIPS, AND AWARDS

ACADEMY OF BEHAVIORAL MEDICINE RESEARCH
- Phillip Marucha, associate dean for research, College of Dentistry

AMERICAN ACADEMY OF NURSING
- Cynthia Barnes-Boyd, clinical associate professor, Community Health Sciences, School of Public Health
- Sandra F. Burgener, associate professor, Biobehavioral Health Science, College of Nursing, Urbana
- Kathryn Christiansen, director of clinical practice, College of Nursing
- Barbara Dancy, professor, Health Systems Science, College of Nursing
- Carol Ferrans, professor, Biobehavioral Health Science, College of Nursing
- Agatha Gallo, professor, Women, Child, and Family Health Science, College of Nursing
- Pamela D. Hill, professor, College of Nursing, Quad Cities
- Tonda L. Hughes, professor, Health Systems Science, College of Nursing
- Karen Kavanaugh, professor, Women, Child, and Family Health Science, College of Nursing
- Mi Ja Kim, professor, Biobehavioral Health Science, College of Nursing
- Marianne R. Piano, professor, Biobehavioral Health Science, College of Nursing
- Dorie W. Schwartz, associate professor emerita, Biobehavioral Health Science, College of Nursing
- Eva D. Smith, associate professor, Biobehavioral Health Science, College of Nursing
- Judith I. Storffjell, professor, Health Systems Science, College of Nursing
- Rosemary White-Traut, professor, Women, Child, and Family Health Science, College of Nursing
- Diana J. Wilkie, professor, Biobehavioral Health Science, College of Nursing
- Julie A. Zerwic, associate professor, Biobehavioral Health Science, College of Nursing

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
- William T. Beck, professor, Biopharmaceutical Sciences, College of Pharmacy
- Jerry Bona, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
- James Cook, section chief, Infectious Diseases, Department of Medicine

AMERICAN COLLEGE OF DENTISTS
- Mitra Dutta, professor and head, Electrical and Computer Engineering, College of Engineering
- Geula Gibori, distinguished professor, Physiology and Biophysics, College of Medicine
- Robert J. Gordon, professor, Chemistry, College of Liberal Arts & Sciences
- Gyungho Lee, professor, Electrical and Computer Engineering, College of Engineering
- Martin Newcomb, professor, Chemistry, College of Liberal Arts & Sciences
- Jack H. Prost, associate professor, Anthropology, College of Liberal Arts & Sciences
- Mark M. Rasenick, distinguished professor, Physiology and Biophysics, College of Medicine
- Anna C. Roosevelt, professor, Anthropology, College of Liberal Arts & Sciences
- Michael A. Strascio, professor, Electrical and Computer Engineering and Bioengineering, College of Engineering
- Michael Trenary, professor, Chemistry, College of Liberal Arts & Sciences
- Jeffrey Tsai, professor, Computer Science, College of Engineering
- Ouri Wolfson, professor, Computer Science, College of Engineering
- Jason Yuan, professor, Department of Medicine, College of Medicine

AMERICAN COLLEGE OF ORAL AND MAXilloFACIAL SURGEONS
- Antonia Kolokythas, assistant professor, Oral and Maxillofacial Surgery, College of Dentistry
- Michael Miloro, professor, Oral and Maxillofacial Surgery, College of Dentistry

AMERICAN CONCRETE INSTITUTE INTERNATIONAL
- Mohsen Issa, professor, Civil Engineering, College of Engineering

AMERICAN DERMATOLOGICAL ASSOCIATION
- Lawrence S. Chan, professor, Dermatology, College of Medicine

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION DISTINGUISHED CAREER AWARD
- Arthur Einstein, professor, Medical Education, College of Medicine
- Georges Bordage, professor, Medical Education, College of Medicine
- Ilene Harris, professor, Medical Education, College of Medicine

AMERICAN EDUCATIONAL RESEARCH ASSOCIATION FELLOW
- Georges Bordage, professor, Medical Education, College of Medicine

AMERICAN INSTITUTE FOR MEDICAL AND BIOLOGICAL ENGINEERING
- Gyan C. Aggarwal, founding member, professor emeritus, Electrical & Computer Engineering, College of Engineering
- Jie Liang, professor, Bioengineering, College of Engineering
- James C. Lin, founding member, professor, Electrical & Computer Engineering, College of Engineering
- Richard Magin, professor, Bioengineering, College of Engineering

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS
- Suresh K. Aggarwal, professor, Mechanical & Industrial Engineering, College of Engineering
- Lawrence A. Kennedy, dean emeritus, College of Engineering
- Farzad Mashayek, professor and head, Mechanical & Industrial Engineering, College of Engineering
- Constantine M. Megaridis, professor, Mechanical & Industrial Engineering, College of Engineering
FACULTY AWARDS continued

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
G. Ali Mansoori, professor, Chemical Engineering, College of Engineering

AMERICAN MATHEMATICAL SOCIETY (PREVIOUSLY AMERICAN MATHEMATICAL ASSOCIATION)
Lawrence Ein, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
David Marker, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences

AMERICAN PHYSICAL SOCIETY
Arnold Bodmer, professor emeritus, Physics, College of Liberal Arts & Sciences
Juan-Carlos Campuzano, professor, Physics, College of Liberal Arts & Sciences
George Crabtree, professor, Physics, College of Liberal Arts & Sciences
Cecilia Elena Gerber, professor, Physics, College of Liberal Arts & Sciences
Robert Gordon, professor, Chemistry, College of Liberal Arts & Sciences
Lawrence A. Kennedy, dean emeritus, College of Liberal Arts & Sciences
Farid Amirouche, professor, Mechanical & Industrial Engineering, College of Engineering
John Marko, adjunct professor, Physics, College of Liberal Arts & Sciences
Antonio Pagnamenta, professor emeritus, Physics, College of Liberal Arts & Sciences
Charles Rhodes, professor, Physics, College of Liberal Arts & Sciences
Michael A. Stroscio, professor, Electrical and Computer Engineering and Bioengineering, College of Engineering

AMERICAN SOCIETY FOR METALS INTERNATIONAL
J. Ernesto Indacochea, professor, Civil & Materials Engineering, College of Engineering
Michael J. McNallan, professor, Civil & Materials Engineering, College of Engineering

AMERICAN SOCIETY OF CIVIL ENGINEERS
Mohsen Issa, professor, Civil Engineering, College of Engineering

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
Suresh K. Agarwal, professor, Mechanical & Industrial Engineering, College of Engineering
Farid Amirouche, professor, Mechanical & Industrial Engineering, College of Engineering
Prashant Banerjee, professor, Mechanical & Industrial Engineering, College of Engineering
Sabri Celik, director, Manufacturing Research Center, Mechanical & Industrial Engineering, College of Engineering
Krishna C. Gupta, professor emeritus, Mechanical & Industrial Engineering, College of Engineering
Lawrence A. Kennedy, dean emeritus, College of Engineering
Faydar L. Litvin, director, Gear Research Center, Mechanical & Industrial Engineering, College of Engineering
Farzad Mashayek, professor and head, Mechanical & Industrial Engineering, College of Engineering
Constantine M. Megaridis, professor, Mechanical & Industrial Engineering, College of Engineering
W.J. Minkowycz, James P. Hartnett Professor of Mechanical and Industrial Engineering, College of Engineering
Thomas J. Royston, professor, Mechanical & Industrial Engineering, College of Engineering
Ahmed A. Shabana, Richard and Loan Hill Professor of Engineering, Mechanical & Industrial Engineering, College of Engineering
Thomas C.T. Ting, professor emeritus, Civil & Materials Engineering, College of Engineering
William M. Worek, professor, Mechanical & Industrial Engineering, College of Engineering
Chien H. Wu, professor emeritus, Civil & Materials Engineering, College of Engineering

AMERICAN STATISTICAL ASSOCIATION
Samad Hedayat, UIC distinguished professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Donald Hedeker, professor, Epidemiology and Biostatistics, School of Public Health

AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AMERICAN WELDING SOCIETY
J. Ernesto Indacochea, professor, Civil & Materials Engineering, College of Engineering

ASSOCIATION FOR COMPUTING MACHINERY
Prith Banerjee, adjunct professor, Electrical & Computer Engineering, College of Engineering
Thomas A. DeFanti, distinguished professor emeritus, Computer Science, College of Engineering
Ouri E. Wolfson, Richard and Loan Hill Professor, Computer Science, College of Engineering
Philip Yu, Professor and Wexler Chair in Information Technology, Computer Science, College of Engineering

ASSOCIATION OF AMERICAN MEDICAL COLLEGES, ABRAHAM FLEXNER AWARD
Georges Bordage, professor, Medical Education, College of Medicine

BIOPHYSICAL SOCIETY
Jack H. Kaplan, professor, Biochemistry and Molecular Genetics, College of Medicine

CENTER FOR HELLENIC STUDIES FELLOWSHIP
Constance Meinwald, associate professor, Philosophy, College of Liberal Arts & Sciences

HOUBLON-NORMAN/GEORGE FELLOW AT THE BANK OF ENGLAND
Robert Chirinko, professor, Finance, College of Business Administration

HONORARY DEGREES
Jerry Bona, professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Universidad Nacional de Trujillo, Peru
Université Bordeaux, France

Lund University, Lund Sweden
James Fischer, professor, Pharmacy Practice, College of Pharmacy
Meiji Pharmaceutical University, Tokyo, Japan

Samad Hedayat, UIC distinguished professor, Mathematics, Statistics, and Computer Science, College of Liberal Arts & Sciences
Universite, de Neuchatel, Switzerland

Anna C. Roosevelt, professor, Anthropology, College of Liberal Arts & Sciences
Northeastern University, Boston, Massachusetts
Mt. Holyoke College, South Hadley, Massachusetts

Ahmed A. Shabana, UIC distinguished professor, Mechanical and Industrial Engineering, College of Engineering
Lappeenranta University of Technology, Finland

Ara Tekian, associate professor, Medical Education, College of Medicine
Tashkent II Medical Institute, Tashkent, Uzbekistan

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
Gyan C. Agarwal, professor emeritus, Electrical & Computer Engineering, College of Engineering
Rashid Amari, professor, Electrical & Computer Engineering, College of Engineering
Prith Banerjee, adjunct professor, Electrical & Computer Engineering, College of Engineering
Wolfgang-Martin Boerner, professor, Electrical & Computer Engineering, College of Engineering
Wai-Kai Chen, professor emeritus, Computer Science, College of Engineering
Mitra Dutta, distinguished professor, Electrical & Computer Engineering, College of Engineering
Daniel Graupe, professor emeritus, Electrical & Computer Engineering, College of Engineering
Ashfaq Khokhar, professor, Electrical & Computer Engineering, College of Engineering
James C. Lin, professor, Electrical & Computer Engineering, College of Engineering
Derong Liu, professor, Electrical & Computer Engineering, College of Engineering
Richard Magin, professor, Electrical & Computer Engineering, College of Engineering
Derong Liu, professor, Electrical & Computer Engineering, College of Engineering
Richard Magin, professor, Bioengineering, College of Engineering
Tadao Murata, distinguished professor emeritus, Computer Science, College of Engineering
Dan Schonfeld, professor, Electrical & Computer Engineering, College of Engineering
Michael A. Stroscio, Richard and Loan Hill Professor, Electrical & Computer Engineering, College of Engineering
R. Michael Tanner, professor emeritus, Electrical & Computer Engineering, College of Engineering
Jeffrey J. Tsai, professor emeritus, Computer Science, College of Engineering
Piergiorgio L.E. Ussegli, professor, Electrical & Computer Engineering, College of Engineering
Ouri E. Wolfson, Richard and Loan Hill Professor, Computer Science, College of Engineering
Hung-Yu David Yang, associate professor, Electrical & Computer Engineering, College of Engineering
Philip Yu, Professor and Wexler Chair in Information Technology, Computer Science, College of Engineering
INSTITUTE OF ELECTRONICS, INFORMATION AND COMMUNICATION ENGINEERS
Tadao Murata, distinguished professor emeritus, Computer Science, College of Engineering
INTERNATIONAL ENGINEERING CONSORTIUM
Thomas A. DeFanti, distinguished professor emeritus, Computer Science, College of Engineering
LUCILLE MEDWICK AWARD IN POETRY
Christina Pugh, associate professor, English, College of Liberal Arts & Sciences
MELLON FOUNDATION FELLOWSHIP
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NATIONAL ACADEMIES OF PRACTICE
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Janet P. Engle, professor, Pharmacy Practice, College of Pharmacy
Linda Kaste, Academy of Dentistry, associate professor, Pediatric Dentistry, College of Dentistry
NATIONAL ACADEMY OF KINESIOLOGY
Daniel Montie Corcos, professor, Kinesiology and Nutrition, College of Applied Health Sciences
James H. Rimmer, professor, Disability and Human Development, College of Applied Health Sciences
Charlotte Tate, professor and dean, College of Applied Health Sciences
NATIONAL ACADEMY OF PUBLIC ADMINISTRATION
Michael Pagano, dean, College of Urban Planning, professor of Public Administration, Election Year: 2006
NATIONAL ENDOWMENT FOR THE HUMANITIES GRANT, PROGRAM IN HUMANITIES, SCIENCE, AND TECHNOLOGY
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Sydney Halpern, professor, Sociology, College of Liberal Arts & Sciences
NATIONAL ENDOWMENT FOR THE HUMANITIES UNIVERSITY FELLOWSHIP
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OPTICAL SOCIETY OF AMERICA
Wolfgang–Martin Boerner, professor, Electrical & Computer Engineering, College of Engineering
Mitra Dutta, distinguished professor, Electrical & Computer Engineering, College of Engineering
PRINCETON SOCIETY OF FELLOWS
Sunil Agnani, assistant professor, English and History, College of Liberal Arts & Sciences

This data current as of November 2011.
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