

Drexelink

A NEWSLETTER FOR THE DREXEL COMMUNITY

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THE DINOSAUR MEETS THE DRAGON

Drexel and Academy of Natural Sciences Affiliation to Create a Powerhouse of Scientific Discovery

“Today the dinosaur meets the dragon,” said Academy of Natural Sciences President and CEO George W. Gephart Jr., as he and Drexel President John Fry announced an historic affiliation between the two institutions on May 19.

The two entities have signed a letter of intent to make the Academy a subsidiary of Drexel. A final agreement is expected to be executed later this summer.

Drexel joins forces with the Academy, which Fry called “one of Philadelphia’s and America’s great public trusts,” on the eve of its 200th anniversary. Founded in 1812, the Academy is America’s oldest natural history museum and a world leader in biodiversity and environmental research. The Academy carries out its mission to encourage and cultivate the sciences by exploring the natural world and sharing the discoveries with the public through innovative exhibits, publications and educational programming for all ages.

“We recognized that we needed a partner to help us more fully capitalize on our strengths—including our location on one of the best half city blocks in Philadelphia and a rock-solid balance sheet with a \$51 million endowment—and to grow at the rapid pace we desire,”

Gephart said. “We determined that collaborating with a science-led, university-based partner would allow us to advance our science and museum more innovatively and comprehensively than we could on our own and our choice is Drexel.”

Continued on next page



Dr. Ken Lacovara of Drexel shows his fossils to Drexel President John A. Fry, Drexel SVP Jim Tucker, Rebecca W. Rimel, CEO of the Pew Charitable Trusts, Mayor Michael Nutter, and George W. Gephart, Jr., President and CEO of the Academy of Natural Sciences.

The Impact of Natural Sciences

At my inauguration in April, I promised that Drexel would take a leadership position in seeking solutions to the problems facing humanity, in particular the threats to our environment. Our affiliation with the Academy of Natural Sciences is a bold move in support of that goal.

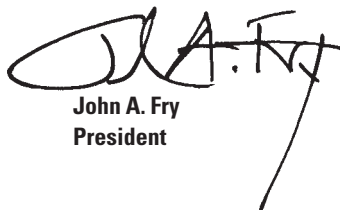
Drexel researchers and Academy scientists have already established a strong foundation of collaboration, from the New Jersey Pine Barrens to the Patagonia region of Argentina. In the framework of our affiliation, each side will benefit from new resources to help drive discovery in areas like environmental degradation, biodiversity, global ecosystem interactions and sustainability.

Drexel and the Academy together can make a compelling case for support from national and global funders, such as the NSF and NIH, to tackle critical environmental questions.

At the Academy's renowned museum on Philadelphia's Benjamin Franklin Parkway, Drexel students, faculty and professional staff will help strengthen the public education so critical to creating environmentally literate future generations.

I am pleased that the trustees of Drexel and the Academy, in their wise stewardship, saw the potential of uniting our two scientific powerhouses. This affiliation will have a real, positive impact on the fight to reverse the damage done in recent decades to our living world.

Sincerely,



John A. Fry
President

Drexel and the Academy, from front page

Drexel and the Academy have a long-standing relationship, having worked together on projects such as a recent dinosaur excavation in Argentina, exploration of the fragile Pine Barrens ecosystem, and examination of environmental degradation in the Delaware Estuary.

The partnership, Fry said, is a win-win situation for both Drexel and the Academy, offering a broad range of opportunities and resources to staff at both organizations.

"This affiliation will move Drexel into a national leadership position in environmental science and environmental policy," Fry said. "It will provide our faculty with opportunities to make even greater contributions to discovery and innovation in the natural and environmental sciences, propelling the University and our College of Arts and Sciences to the next level in research and teaching in these fields."

Fry said the combination of Drexel and Academy expertise could result in the formation of new programs and courses such as geology and environmental policy, and the possible establishment of new departments, centers and institutes.

And for the Academy, Gephart said the partnership will provide new resources for its scientists and museum, from teaching opportunities to tapping into Drexel's technology and media arts programs for exhibitions.

The potential value of this venture was immediately recognized by The Pew Charitable Trusts, which awarded a \$1 million planning grant to help the Academy and Drexel explore how to best leverage the assets of both organizations. Pew President and CEO Rebecca W. Rimel said the Academy-Drexel partnership is "a model of sound and creative decision making, which will provide for a secure and successful future for these great institutions."

The affiliation will allow both institutions to compete more aggressively for investment from government agencies such as the National Science Foundation, the Environmental Protection Agency and the National Institutes of Health, as well as private foundations and other philanthropists interested in discovery in the natural sciences.

Once the affiliation is finalized, the Academy will be known as the Academy of Natural Sciences of Drexel University, though its legal name will remain the same. Its operations will continue to be overseen by its own board as a non-profit affiliate of Drexel and the Academy will remain a separate 501(c)(3) organization. The Academy's current \$51 million endowment will be managed by Drexel in a segregated fashion and continue to be wholly dedicated to the Academy.

2011 Commencement Season Under Way

The 2011 Commencement season is under way, beginning with the May ceremonies for Drexel University's Earle Mack School of Law, which awarded 132 degrees, and the Drexel University College of Medicine, which awarded degrees to 443 students, the largest class of medical students in the history of the college. Together with the University City Main Campus Commencement ceremonies on June 10 and 11, and the first graduating class at Drexel's Sacramento Center for Graduate Studies, the University will present more than 5,000 certificates and bachelor's, master's and doctoral degrees during its 124th Commencement year.

Honorary degrees were awarded as early as April 26, starting with **Sue Van**, president of Wallace H. Coulter Foundation, who received an honorary Doctor of Biomedical Engineering degree. It was announced that day that Drexel had received a gift from the Coulter Foundation to endow the "Coulter Translational Research Partnership" program to bring life-saving solutions to healthcare.

May 19, 2011

Earle Mack School of Law

Attorney and champion of justice **Betty Anne Waters** delivered the Commencement address to the graduating class of the Earle Mack School of Law and received an honorary Doctor of Laws degree. Waters successfully overturned the murder conviction of her brother in 2001, and enabled him to walk out of prison after 18.5 years. The remarkable story became the subject of the 2010 film *Conviction*, starring Hilary Swank.

May 20, 2011

Drexel University College of Medicine

U.S. Surgeon General **Dr. Regina M. Benjamin**, who delivered the Commencement address during the ceremony for the College of Medicine, received an honorary Doctor of Science degree. She is the 18th surgeon general of the United States Public Health Service. As "America's Doctor," she provides the public with the best scientific information available on how to improve their health and the health of the nation. Benjamin also oversees the operational command of 6,500 uniformed health officers who serve in locations around the world to promote and protect the health of the American people.

Also at the College of Medicine ceremony, former U.S. Senator **Arlen Specter** was presented

2011 COMMENCEMENT



Sue Van



Betty Anne Waters



Dr. Regina M. Benjamin



Arlen Specter



Dr. Paul E. Gray



Sara Manzano-Díaz



Mary L. Schapiro



Joseph A. Frick



Dr. Uwe E. Reinhardt



Dr. Edward H. O'Neil



Corey Flintoff



Melba Pearlstein



Dr. Guy G. Garrison



Michael Kieschnick

with an honorary Doctor of Humane Letters degree for his advocacy on behalf of the people of Pennsylvania and his contribution to the advancement of biomedical research and the improvement of the health of the nation.

June 10, 2011

College of Engineering, School of Biomedical Engineering, Science and Health Systems

Dr. Paul E. Gray, Doctor of Engineering, *honoris causa*, is president emeritus and professor emeritus in the electrical engineering and computer science department at MIT and has been part of that institution's community for more than 60 years.

College of Arts and Sciences, Richard C. Goodwin College of Professional Studies

Sara Manzano-Díaz, Doctor of Humane Letters, *honoris causa*, is director of the Women's Bureau at the United States Department of Labor. She has more than 25 years of federal, state and judicial experience.

June 11, 2011

Bennett S. LeBow College of Business

Mary L. Schapiro, Doctor of Business Administration, *honoris causa*, is the 29th chairman of the U.S. Securities and Exchange Commission, appointed by President Barack Obama in 2009, and the first woman to serve as the agency's permanent chair. Previously, she was appointed by President Bill Clinton in 1994 as chair of the Commodity Futures Trading Commission.

Joseph A. Frick, Doctor of Business Administration, *honoris causa*, serves as vice chairman of Diversified Search, an executive

search firm headquartered in Philadelphia. After 18 years with the company, he retired from Independence Blue Cross in 2010 where he held the position of president and chief executive officer. A recipient of many honors, Frick most recently received the 2011 William Penn Award, given by the Greater Philadelphia Chamber of Commerce.

College of Nursing and Health Professions, School of Public Health

Dr. Uwe E. Reinhardt, Doctor of Humane Letters, *honoris causa*, is a leading health policy expert who has taught at Princeton University since 1968. He currently serves there as the James Madison Professor of Political Economy and Professor of Economics and Public Affairs at the Woodrow Wilson School of Public and International Affairs.

Dr. Edward H. O'Neil, Doctor of Humane Letters, *honoris causa* is a professor in the School of Nursing at the University of California, San Francisco. He also serves as the director of the Center for the Health Professions, a research, advocacy and training institute that he created to assist health care professionals, health professions schools, care delivery organizations and public policy makers understand the challenges and opportunities of educating and managing a health care workforce.

Antoinette Westphal College of Media Arts & Design, College of Information Science and Technology

Corey Flintoff, Doctor of Humane Letters, *honoris causa*, is a foreign correspondent for National Public Radio whose career has taken him to more than 50 countries, most recently to Egypt, to cover the revolution, and to Afghanistan to report on the war. He is currently based in New Delhi, India.

Melba Pearlstein, Doctor of Humane Letters, *honoris causa*, is a Drexel emeritus trustee—her affiliation with Drexel began in 1980 when she was part of the group that established the Friends of Design Arts. She serves as president of the Leonard Pearlstein Family Foundation, named for her late husband, who was also a Drexel trustee from 1992 until his death in 1996. The Leonard Pearlstein Endowed Scholarship Fund, the Leonard Pearlstein Business Learning Center and the Leonard Pearlstein Gallery in the College of Media Arts & Design were all established in his memory.

Dr. Guy G. Garrison, Doctor of Humane Letters, *honoris causa*, joined Drexel in 1968 as professor and dean of what was then the Graduate School of Library Science, where he served for 19 years. He retired in 1992 after five years as the first Alice B. Kroeger Professor. He was instrumental in the total renovation of the Rush Building, the dedication in 1981 of the Alumni Garden and the establishment of the Sigma Chapter of Beta Phi Mu at Drexel in 1969.

June 25, 2011

Sacramento Center for Graduate Studies

Michael Kieschnick, Doctor of Humane Letters, *honoris causa*, is president, CEO and co-founder of CREDO/Working Assets, a company that is dedicated to changing the world through progressive philanthropy and political activism, and has donated over \$65 million to progressive organizations. Kieschnick also teaches microfinance at Stanford University.

WHO'S DOING WHAT

Lorenzo Albala and **James Goodman**, both undergraduates, were chosen to present at the National Conference on Undergraduate Research 2011 at Ithaca College. Albala presented Gas Plasma Sterilization of Surfactant-Based Ultrasound Contrast Agents and Goodman presented Epidural Electrical Stimulation and Response Mapping for the Restoration of Controlled Hind Limb Movement after Complete Spinal Cord Injury. Albala also won first prize in the undergraduate student category of the 2011 International Society of Pharmaceutical Engineers Delaware Valley student poster competition for the project "Plasma Sterilization of Ultrasound Contrast Agents."

Babak Anasori, Ph.D. student in materials science and engineering at CoE, won the first place Best Junior Researcher Award at the 2011 Nanomaterials Symposium for his poster presented at the TMS 2011 Annual Meeting and Exhibition in San Diego, Calif.

Krishna Priya Arjunan, biomedical engineering doctoral candidate, and mechanical engineering and mechanics assistant professor **Dr. Alisa Morss Clyne**, together with electrical and computer engineering professor **Gary Fridman** and mechanical engineering and mechanics doctoral candidate **Alex Fridman** published a paper titled "Non-thermal dielectric barrier discharge plasma induces angiogenesis through reactive oxygen species" in the *Journal of the Royal Society Interface*.

Jennifer Atchison, Ph.D. student in materials science and engineering at CoE, won first place in the inaugural *Chemical & Engineering News* photo contest.

Giang Au, doctoral candidate in BIOMED, won the poster award for Graduate Students in Biology and Biomedical category at Drexel Research Day 2011 for the project "Aqueous Cd1-xPbxS Quantum Dots for Near Infrared Imaging."

Computer science professors **David Augenblick**, **Bruce Char** and **Jeremy Johnson** presented a talk on "Individualized Assignments and Assessment through Automated Grading" at the e-Learning Conference 2.0, hosted by Drexel University.

Dr. Walter Bien, research professor of biology at CoAS and director of the laboratory of Pinelands Research, was nominated for Research Associate in Botany Sciences in Philadelphia.

Dr. David Breen, associate professor of computer science at CoE, presented the poster "Image-Based Histologic Grade Estimation Using Stochastic Geometry Analysis" at the SPIE Medical Imaging Conference held in Orlando, Fla. Co-authors are **Sokol Petushi**, **Aladin Milutinovic** and **Dr. Fernando Garcia** of DUCoM, and **Jasper Zhang** of the Computer Science Department.

Dr. Robert Brulle, professor of sociology at CoAS, gave an invited lecture at Princeton University on the topic "The Cultural Dynamics of Climate Change."

Joseph Campbell was promoted from associate vice president for University Procurement to senior associate vice president for administrative operations for Student Life and Administrative Services.

First Home Purchased Through Drexel Assistance Program

After George Ciccariello-Maher came on board as assistant professor of history and politics at Drexel last fall, his next move was to lay down roots in Philadelphia and purchase his first home with his wife, Abbey, and their 15-month-old son, Oakley. Ciccariello-Maher calculated it would take more than a year to save the down payment and closing costs, a reality often faced by single-income families. But thanks to Drexel's new Home Purchase Assistance Program, Ciccariello-Maher and his family are already moved in and making the five-bedroom, three-and-a-half bath Powelton Village house into a home.

The Ciccariello-Mahers are the first recipients of a loan under the home purchase program, established to encourage and support home ownership in the neighborhoods near campus. The program offers a forgivable loan to eligible full- and part-time Drexel faculty and professional staff toward the purchase or renovation of a home between 31st and 42nd streets from Chestnut Street to Mantua Avenue. With a loan of \$15,000 and a negotiated \$10,000 seller's assist, the Ciccariello-Mahers purchased the home using only \$1,000 of their own funds.

The entire process was "smooth and easy," Ciccariello-Maher said, thanks to the efforts of Drexel's Human Resources Department, and in particular, HR Business Manager Qadim Ghani.

"He brought in mortgage lenders and we had banks coming to us competing to give us a mortgage. It put us in a really strong position," Ciccariello-Maher said.

The family will make mortgage payments comparable to what they were paying in rent, a result of historically low interest rates and the Home Purchase Assistance Loan. Since the Ciccariello-Mahers closed on their home, the program has rapidly progressed and resulted in three more homes sold.

To learn more about the Home Purchase Assistance Program, visit drexel.edu/hr/benefits/voluntary/homepurchase/.



The Ciccariello-Maher family

Varsity Eight Crew Honored for Win at Henley

After nearly a year, the women of Drexel's 2010 Varsity Eight crew are still basking in one of the team's most historic victories. In honor of their victory at the Henley Women's Regatta in England in June 2010, the team gathered last month to accept the first-ever Chairman's Excellence Trophy in Foreign Competition from the sponsors and organizing committee of the local Aberdeen Dad Vail Regatta.

The nine-woman team and President Fry accepted the trophy from Gary Marshall, chief executive of Aberdeen Asset Management, and members of the Dad Vail Regatta organizing committee. The world-famous regatta is held annually at Henley-on-Thames just west of London. The Drexel crew was the first Dad Vail boat to win the Sports Council Cup at Henley.

"It was great to be recognized," said team coach Paul Savell. "We are only the fourth U.S. team to win the cup in the regatta's history. That's what really stuck out."

Drexel joins Yale, Brown and Radcliff as the only American teams to bring home the Council Cup. "The win was very exciting—it was a once-in-a-lifetime experience," said crew member Casondra Clawson (a 2010 graduate). "The trophy presentation just brought back all of those memories."

The trophy presentation served to recognize Drexel's team and to build excitement for the 2011 Aberdeen Dad Vail Regatta in May in Philadelphia. Drexel went on to send five boats to the grand finals and claim a gold medal in the men's varsity pair and a silver in the men's novice eight. The women's team finished seventh overall.

The Dad Vail is the largest collegiate regatta in North America, drawing teams from more than 100 colleges and universities in the United States and Canada. Held annually since 1953 on the Schuylkill River, the regatta attracts thousands of student athletes and spectators to Philadelphia.



President Fry accepted on behalf of Drexel the Chairman's Excellence Trophy, presented by Gary Marshall, chief executive of Aberdeen Asset Management.

Richardson Dilworth, associate professor and director of the Center for Public Policy at CoAS, served as an invited speaker on the panel "Why History Matters: Time and Temporality in Urban Political Analysis," at the annual meeting of the Urban Affairs Association.

CNHP Dean **Dr. Gloria Ferraro Donnelly** was honored with the Philadelphia Pinnacle Award presented by the Millay Club, the 25,000-member-strong alumni association of Southeast Catholic, Bishop Neumann and St. John Neumann High School.

Dr. H. Michael Dreher, associate professor at CNHP, has been invited to be a member of the Review Panel for the *United Kingdom Council for Graduate Education 2011 Report on Professional Doctorates*. He has also been named an assistant editor and column editor for a new column called "PracticeEvidence" for the journal *Clinical Scholars Review: The Journal of Doctoral Nursing Practice*. He also presented "Practice Knowledge Development in the Professional Doctorate: An Emerging Epistemology" at the second International Conference on Professional Doctorates in Edinburgh, Scotland.

Dr. Mary Ebeling, assistant professor of sociology at CoAS, presented the talk "What Social Science Sees in Science: Perspectives on the Everyday Practices of Science," as part of the Friday Seminar Series at Filarete Foundation, in Milan, Italy.

Dr. Yossef Elabd, associate professor of chemical engineering at CoE, was published in *Nano Letters* for his research "Super Proton Conductive High-Purity Nafion Nanofibers."

Dr. Felice Elefant, associate professor of biology at CoAS, co-chaired the Cellular and Molecular Neuroscience Session, Neureo Talk 2011, in Dalian, China and presented "Tip60 controls synaptic plasticity: Implications for Learning and Memory." She also participated in the seminar "Implications for epigenetics in learning and memory" at the University of Pennsylvania Epigenetic Program Seminar Series, and published "Microarray analysis uncovers a role for Tip60 in nervous system development and general metabolism" in *PLoS ONE*.

Drexel students **Zachary Howitt** (business and engineering) and **Daniel Sullivan** (computer science) presented their Microsoft Imagine Cup project to Microsoft CEO Steve Ballmer and Pennsylvania Gov. Tom Corbett.

Blake Johnson and **Amy Peterson**, chemical and biological engineering Ph.D. candidates, were awarded International Travel Awards. Johnson will attend the 8th International Workshop on Nanomechanical Sensing in Dublin, Ireland and present his research, "Sensitive high-order modes in millimeter-sized cantilever sensors and actuation of sensitive resonant modes via design asymmetry." Peterson will attend the third international conference on Self-Healing Materials in Bath, UK, and will present her research "Remendable Interfaces for Polymer Composites" and "Room Temperature Healing of Thermosetting Polymers using the Diels-Alder Reaction."

Miriam Kotzin, associate professor of English and co-director of certificate program in writing and publishing at CoAS, published "Hoops" in *Amarillo Bay Literary Review*, the poems, "Ivories on the Second Floor," "Nuptial" and "The Itch" in *Boulevard*; the poems "Weights and Measures" and "Keeping Time" in *Peregrine*; and the poems "A Penny for Your Thoughts: How to Write a Sustainable Feminist

Poem," "How to Write a Sustainable Protest Poem," and "Lurkers" in *Offcourse Literary Journal*. Her short-short story/flash fiction, "The Second Plague," is in the most recent issue of *Doorknobs and Body Paint*. Her three poems, "How to Write a Sustainable Poem," "How to Write a Sustainable Love Poem .1" and "How to Write a Sustainable Love Poem .2," appeared in *The Flea*, and her poem "CZE" is in a recent issue of *Mayday Magazine*.

Dr. Kyounghee Hazel Kwon, assistant teaching professor at CoAS, published "The value of online friends: Networked resources via social network sites" in the journal *First Monday*.

Dr. Kenneth Lacovara, associate professor of biology at CoAS, and **C.L. Coughenour**, former doctoral student under Lacovara, had their paper "Time series analysis of semidiurnal tidal rhythmites: the effects of record length and missing laminae, and the extraction of primary constituent frequencies" accepted for publication in *Mathematical Geosciences*.

Dr. Ken Lau, assistant professor of chemical engineering, along with Ph.D. graduate student **Siamak Nejati**, recently discovered higher efficiency solar cells that require much less light-absorbing material than conventional ones. This work, titled "Pore Filling of Nanostructured Electrodes in Dye Sensitized Solar Cells by Initiated Chemical Vapor Deposition," is reported in *Nano Letters*.

Dr. Spiros Mancoridis, professor of computer science at CoE, has been appointed to the editorial board of the *Journal of Software Maintenance and Evolution: Research and Practice*.

Alisa Melekhina, senior philosophy major at CoAS, presented her paper "The Teleology of Teleology" at the Greater Philadelphia Philosophy Consortium's Annual Undergraduate Philosophy Conference at Ursinus College in Collegeville, Pa. Melekhina presented another paper at the sixth annual West Chester University Graduate & Undergraduate Philosophy Conference.

Joel Oestreich, associate professor and director of international area studies at CoAS, attended the annual meeting of the International Studies Association in Montreal, Canada. There, he chaired a round table on "Teaching Ethics and International Relations," presented a paper on "International Organizations and Diplomatic Studies," and chaired a panel on "Reform of International Institutions." He also received a Fulbright Award to conduct research in India on "Human Rights and Development in the Indian Context," beginning October 2011.

CoAS Ph.D. candidate **Steven Pearson** won first place for "Outstanding Student Poster Award" at the Partnership at the Delaware Estuary Science and Environmental Summit held in Cape May, N.J. for his poster "Resource Overlap and Potential Competition Between Invasive Red-eared Slider Turtles and Native Red-bellied Turtles in Pennsylvania."

Amy Peterson, a Ph.D. candidate in the department of chemical and biological engineering at CoE, received a Peebles Award for Graduate Student Research in Adhesion Science from the Adhesion Society. She was one of seven recipients and received the award at the annual meeting in Savannah, Ga.

Marilyn Gaye Piety, associate professor of philosophy at CoAS, presented the paper "Mindfulness is in the Cards: Contemporary Cartomancy as a Spiritual Practice" at the first International Conference on Religion and Spirituality in Chicago. She also published

two articles in *Counterpunch*: "The Writing on the Way: Why the U.S. Didn't Foresee the Arab Revolts" and "The Age of Idiocy."

Dr. Roberto Ramos, assistant professor of physics at CoAS, presented an invited seminar "Perspectives and Approaches to Undergraduate Physics Education" at the Department of Physics, University of California at Santa Barbara. He also gave invited physics colloquium talks on "Demonstration of Multiple Energy Gap Structure and Resonant Activation in Superconducting Magnesium Diboride" at Southern Illinois University, the College of New Jersey, Oakland University, Calpoly San Luis Obispo, Northern Arizona University and the University of North Dakota. He also gave the Saul Krasner Memorial Science Lecture Series talk on "100 Years of Superconductivity: From Zero Resistance to Giant, Artificial Atoms" at the United States Coast Guard Academy, New London, Conn.

Dr. William Regli, professor of computer science at CoE, received an award from the U.S. State Department's Council for the International Exchange of Scholars Fulbright Specialist Program to work with the Czech Technical University in Prague in 2011-12, to collaborate on the project "Network Centric Systems."

Stephen Rupprecht, assistant dean of students, was appointed to the advisory board for HazingPrevention.Org, a non-profit organization that empowers people to prevent hazing.

Doreen Alvarez Saar, CoAS professor of English, presented, "Anti-Popery in America," at the 40th Annual Conference of the British Society for Eighteenth Century Studies at St. Hugh's College in Oxford, England and was selected by the Pennsylvania Humanities Council to present "Facts and Fiction" a Civil War reading/ discussion program at the Rachel Kohl Library.

Ryan Schwabe, MAD Dragon Studios manager at CoMAD, was elected governor of The Philadelphia Chapter for the National Recording Academy of Recording Arts and Sciences.

Dr. Diane Sicotte, associate professor of sociology at CoAS, gave the presentation "Urban Hotspots for segregation, disadvantage and environmental hazards" at the Eastern Sociological Society conference in Philadelphia.

Amy Slaton, associate professor of history at CoAS, traveled to the Organization of American Historians' annual meeting in Houston, Texas to give a presentation as part of the "State of the Field: History of Technology" session.

Andrew Smith, assistant professor of philosophy at CoAS, published the book *The Deliberative Impulse: Motivating Discourse in Divided Societies* (Lexington Books), and the articles "On the Epistemic Incentive to Deliberate Publicly," in *the Journal of Social Philosophy* 41 (4) (2010) and "Truth, Negation, and the Limit of Inquiry: Revisiting the Problem of Buried Secrets," in *Southwest Philosophy Review* 25(2). He also presented "Our 'Can't Do' Spirit: Critical Reflections on Legislative Dysfunction" at the Midwest Political Science Association.

Marilyn Sobel, a graduate student in environmental science at CoAS, received the Bayard Long Award for Botanical Research from the Philadelphia Botanical Club in support of her work on "Seed banking, germination requirements, and dispersal mechanisms in *Rhynchospora knieskernii*."

WHO'S DOING WHAT

Dr. James Spotila, professor of biology at CoAS, published *Sea Turtles: A Complete Guide to Their Biology, Behavior, and Conservation* with Johns Hopkins Press in 2004. The 2,000th copy of the publication recently sold, making it the 68th highest-selling book out of 9,972 books ever published in John Hopkins' 130-year history. Spotila also published a new book "*Saving Sea Turtles, Extraordinary Stories from the Battle Against Extinction*," also with Johns Hopkins Press. The book launch at the International Sea Turtle Symposium in San Diego was a huge success—over 225 books were sold and autographed. Spotila also worked with Anthony Rafferty, a student from Monash University, who won best student talk award at the symposium.

Donald Stevens, associate professor and department head of history and politics at CoAS, presented a paper, "Romance and Marriage in Mexico before 1850," at the 58th Annual Conference of the Rocky Mountain Council for Latin American Studies.

Michael Sullivan, professor of political science at CoAS, participated in a debate at Abington Friends School in Jenkintown, Pa. with professor Edward Turanski of La Salle University on the legacy of Ronald Reagan's foreign policy and the end of the Cold War.

Dr. Michael Vogeley, professor of physics at CoAS, was selected by *Bedford Magazine* (Westchester County, N.Y.) as one of 50 "Homegrown Talents" in the area. He also gave the keynote lecture on "Neighborhoods of the Universe" and served as a judge at the James Madison University undergraduate Physics Research Symposium, Harrisonburg, Va.

Dr. Stella Lucia Volpe, newly appointed chair of nutrition sciences at CNHP, was selected to serve on the President's Council on Fitness, Sports and Nutrition Board, nominated by the American Dietetic Association and the National Dairy Council because of her significant contribution to the advancement of nutrition research and science. She was also nominated to serve on the American College of Sports Medicine's Exercise is Medicine Pediatrics Committee.

Xinyi Wang, freshman in philosophy at CoAS, attended the Greater Philadelphia Philosophy Consortium's Annual Undergraduate Philosophy Conference at Ursinus College in Collegeville, Pa.

Dr. Scott Warnock, associate professor of English and director of the Freshman Writing Program at CoAS, co-presented "Measuring quality, tracking curricular changes: Methods and results of a large, four-year assessment of undergraduate business student writing" with mathematics student **Nicholas Rouse** at the Writing Research Across Borders II conference at George Mason University. The following week, he was an invited panelist for "Finding and creating online teaching opportunities—and sustaining and succeeding in them" at the Association of Writers & Writing Programs conference in Washington, D.C.

Matt Whitworth, pre-junior in international area studies and philosophy at CoAS, provided commentary on a paper by a student from Haverford College about "Feminism and Capitalism" at the Greater Philadelphia Philosophy Consortium's Annual Undergraduate Philosophy Conference at Ursinus College in Collegeville, Pa.



Student-Athletes Awarded

Drexel field hockey player **Christina Mastropaolo** and men's lacrosse player **Scott Perri** were recently named the 2011 recipients of the **Mary and John Semanik Awards**, which are given to the outstanding male and female student-athletes who best exemplify the scholarship and athletic ideals of the Semaniks, former directors of athletics at Drexel. With the students is current Director of Athletics **Dr. Eric Zillmer**.

Stanley W. Silverman Named Chairman of College of Medicine Board

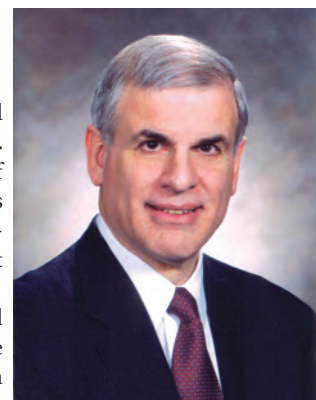
Stanley W. Silverman was named chairman of the Drexel University College of Medicine Board of Trustees in May. Silverman, a Drexel alumnus and former president and CEO of PQ Corporation, has served on the University's Board of Trustees for 11 years and the College of Medicine board for four. He replaces Manny Stamatakis, who announced earlier this year that he would step down as chairman.

Silverman received an undergraduate degree in chemical engineering and an MBA from Drexel and chairs the finance committee for the University's Board of Trustees. He also sits on the advisory board for Drexel's LeBow College of Business.

During his 33-year career at PQ Corporation, a privately held global company focused on two core businesses, chemicals and engineered glass materials, Silverman held positions in engineering, operations planning, marketing, sales and business unit executive management. He served as president and CEO and a member of PQ's board from 2000 to 2005.

Silverman began his business career as a process engineer at Atlantic Richfield, subsequently acquired by BP, a global energy company. In addition to his degrees from Drexel, he completed the Advanced Management Program at the Harvard Business School.

Silverman has served as a guest lecturer on Executive Leadership at the Wharton School of the University of Pennsylvania and at the LeBow College of Business, where he holds the position of executive in residence. He is a director on the boards of Met-Pro, Femco Holdings, Excor, innRoad and the Ben Franklin Technology Partners of Southeastern Pennsylvania. He formerly served on the boards of Schulman, Inc. and C&D Technologies.



Deborah Crawford Accepts Presidential Rank Award at State Department

Vice Provost for Research **Dr. Deborah Crawford** received a Presidential Rank Award from the Obama Administration at a black tie event held at the U.S. Department of State in April. The award recognizes her long-term achievement and her contributions made to the national science and engineering enterprise and the computing research community during her 17-year career at the National Science Foundation (NSF). Before coming to Drexel in the fall of 2010, Crawford served as deputy assistant director of the NSF's Computer and Science Engineering division.

During her time at the NSF, Crawford is credited with forging new inter-agency and academia-industry-government collaborations and partnerships that have radically transformed the way the nation's scientists are unearthing discoveries. The NSF nominated Crawford for the award and commended her dedication to ensuring that the United States maintains its position as the global leader in science and engineering through her work.

At Drexel, Crawford oversees research in areas such as energy, healthcare, education and climate change.

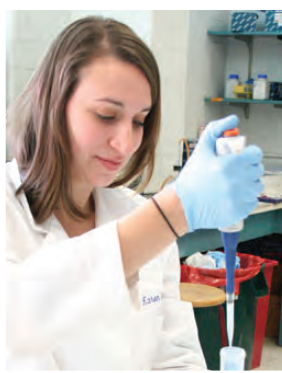


Grants Awarded

HIGHLIGHTING GRANTS FROM
AROUND THE UNIVERSITY



Caitlin Costello



Karen Sullam



Daniel Tedesco



Janani Singaravelu

Four Drexel Students Awarded Fulbright Scholarships

Four Drexel students received the prestigious Fulbright Scholarship for study and research abroad in 2011-12, the most in any year in Drexel's history. The Fulbright program is the largest U.S. international exchange program offering opportunities for students, scholars and professionals to undertake international graduate study, advanced research, university teaching and teaching in elementary and secondary schools worldwide.

Food Security in Senegal

Caitlin Costello will focus her efforts on domestic rice production in Senegal. Her project will examine rice production strategies and explore how to mimic the most successful methods in areas where rice production is less developed. The research can help to increase food security, improve health, increase productivity and provide employment. Costello performed related research on the topic for her senior thesis at Drexel. She earned a bachelor's degree in International Area Studies from Drexel in 2010.

Health Maintenance for HIV and TB in India

Janani Singaravelu will travel to Vellore, India, to research the impact of health-seeking behaviors on people infected with both HIV and tuberculosis. Her study will evaluate the impact of patient behaviors including on-time pill pick-up on the progression of the diseases. Singaravelu graduated with a master's in Medical Science from the Drexel University College of Medicine in May 2011.

Understanding Microbes' Contributions to Lake Ecosystems

Karen Sullam, a Ph.D. student in Environmental Science at Drexel, will investigate microbial communities within lake ecosystems. Her research project will yield a better understanding of how changes in the environment will influence microbial functioning in an ecosystem, including breaking down organic matter. This research has implications for the future functioning of aquatic systems.

Leadership Development in Young Adults in China

Daniel Tedesco, a Drexel senior studying International Area Studies, Finance and Chinese, will study leadership development among young adults in China. His study will work with participants in the Chinese government's Student Village Officials program, which places recent graduates into rural villages as assistants to local officials, and with villagers in the communities. Tedesco is currently president and trustee of Global China Connection, a nonprofit organization that coordinates China-focused student research and events through 60 university chapters. During the 2010 Shanghai World Expo, he served as a student ambassador for the USA National Pavilion.

CoE faculty **Kapil Dandedar** (electrical and computer engineering), **Rachel Greenstadt** (computer science) and **John Walsh** (electrical and computer engineering) received a three-year grant from the National Science Foundation (NSF) for the project "A Framework for Wireless Network Security Based on Reconfigurable Antennas" in the amount of \$359,506.

Dr. Gregory Fridman, assistant research professor in BIOMED (PI), **Dr. Marla Steinbeck**, research associate professor in BIOMED (Co-PI), **Dr. Alex Fridman**, and **Gary Friedman** (both Co-PI's from CoE) and the **A.J. Drexel Plasma Institute** received a four-year \$1.6M NIH R01 grant for Plasma Medicine: "Non-Thermal Plasma in Biomedicine: A New Paradigm for Redox Cell Activation." This is the first NIH grant of its kind and is a joint Drexel University/Jefferson University grant funded through the National Institute of Biomedical Imaging and Bioengineering (NIBIB, primary) and the National Institute of General Medical Sciences (NIGMS).

Dr. Barbara Hoekje, associate professor of communication and director of the English Language Center, and **Mara Blake-Ward**, ELC associate director for special programs, both at CoAS, received a grant funded by the U.S. Department of State and administered through the Institute of International Education to administer a three-week Fulbright Pre-Academic Training Program for Fulbright grantees during summer 2011.

Dr. Gene Klotz of Drexel's Math Forum, **Dr. David Breen**, and partners from Swarthmore College, Sweet Briar College, Kansas State University, Masterman School, Rensselaer Polytechnic Institute and University of Maryland, Baltimore County received a second grant from the National Science Foundation to continue work on the Math Images Project. The budget for this 2.5-year project is \$531,539.

Dr. Steven Kurtz, research associate professor in BIOMED, **Dr. Marla Steinbeck**, research associate professor in BIOMED, and team members of the biomed **Implant Research Center** received a \$2.9 million five-year renewal of its NIH-funded hip implant research for the period April 1, 2011 to March 31, 2016. Department of materials science and engineering associate professor at CoE **Christopher Li** was awarded a three-year \$352,319 National Science Foundation grant for "Janus Nanoparticle Nanocomposites."

Materials science and engineering Ph.D. students at CoE **Riju Singhal** and **Shraddha Vachhani** received Sigma Xi Grants-in-Aid of Research from Sigma Xi, the Scientific Research Society.

Dr. Masoud Soroush, chemical engineering professor at CoE, was awarded from the National Science Foundation the new research grant "Collaborative Research: GOALI: Synergistic Improvement of Process Safety and Product Quality Using Process Databases." The award is \$553,051 for a period of three years, and Drexel's portion is \$201,026.



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Did you know?

This year, for the first time, Drexel was included in the Environmental Protection Agency's National Top 50 list of the largest green power purchasers for purchasing 100 percent wind energy. Drexel also ranks No. 3 on the EPA's Top 20 College & University list.

Drexel Family Art Exhibition on Display Through June 30

To celebrate the inauguration of President John Fry in April as Drexel's 14th president, an exhibition of art objects from the Drexel family is on display in the Anthony J. Drexel Picture Gallery and the Rincliffe Gallery in the Main Building through June 30, 2011. Cara Fry, wife of President Fry, serves as guest curator of the exhibition, the first display of art from the Drexel family in the University's history. The opening of the exhibition included a Drexel family reunion dinner.

"The Drexel Family in the Fine & Decorative Arts: A Retrospective" features more than 70 objects, including 18th century silver, miniature portraits, drawings by Francis Martin Drexel (father of Anthony J. Drexel), 19th-century photographs of the Drexels at the family estates such as Camp Hill and Woodcrest and aboard Sarah Drexel Fell Van Rensselaer's yacht, the *May*.

Also on display are letters from President Ulysses S. Grant to Anthony J. Drexel, a copy of a letter from Drexel to his nieces (on loan from the Sisters of the Blessed Sacrament, founded by St. Katharine Drexel), as well as family portraits by Thomas Sully, Benjamin Constant and Philip Alexius de László. The exhibition and family events are sponsored by Drexel University's Department of Institutional Advancement.



Drexelink

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