New Program for Equality Development and Globalization Studies

A new program in Northwestern’s Buffett Center will focus on multidisciplinary and comparative research, policy studies, and graduate training related to Asia, Latin America, Africa, and other global regions facing developmental changes. The Equality Development and Globalization Studies (EDGS) program has been created with a two-million-dollar gift from the Rajawali Foundation, an Indonesian non-profit that collaborates with private and public institutions to support education and research, human development, and community advancement.

“EDGS will grapple with major themes and challenges that affect post-colonial countries similar to Indonesia,” says Jeffrey Winters, political science and founding director of EDGS. “But the reach is intended to be global in scope rather than concentrated on any one region.”

Winters and Vice President for Research Jay Walsh visited Jakarta, Indonesia in July to celebrate the launch of the new program. During the celebration, Winters announced the 2012 Arryman Fellows who will be hosted by EDGS as visiting pre-doctoral research scholars at Northwestern. Named after late Indonesian industrial engineer and economist Arif Arryman, the fellows are selected in Jakarta by the Indonesian Scholarship and Research Support Foundation with the purpose of cultivating a new generation of scholars for Indonesia.

Continued on the next page >>
EDGS will support research, publications, research fellowships, visiting scholars, conferences, workshops, and other academic activities in the United States and abroad. EDGS initiatives will reach across schools and disciplines at Northwestern—actively engaging Weinberg, Feinberg, School of Law, Medill, the Graduate School, and McCormick. An advisory committee of Northwestern faculty whose work intersects with core EDGS themes will oversee the program.

EDGS events will kick off this fall with a speaker series organized by Jordan Gans-Morse, political science. Entitled “Property Rights, Power, and the Rule of Law,” the series will bring in scholars whose work overlaps legal development, state building, armed conflict, and economic institutions.

The Rajawali Foundation’s CEO Peter Sondakh also endowed the Rajawali Institute for Asia at Harvard University in 2010.

—The Roberta Buffett Center for International and Comparative Studies contributed to this article.

Welcome New Faculty Members

The following is a list of new Northwestern faculty members for the 2013-2014 year. Names were submitted by the dean’s office of each school. All included faculty members are academic full-time, tenure-track, and primarily funded by Northwestern, rather than Northwestern affiliates.

Because the Feinberg School of Medicine hires year-round, Feinberg faculty included in the list are from September 1, 2011 to August 31, 2012.

Please join us in welcoming the following:

Bienen School of Music:
Timothy McAllister
Donald Nally
John Thorne

School of Communication:
Jeremy Birnholtz
Aymar Jean Christian
Marcus Doshi
Tina Grieco-Calub
Casey Lew-Williams
Amy Shirong Lu
Anne Marie Piper
Jason Tait Sanchez
Aaron Shaw
Michelle Shumate
Elizabeth W. Son
Walt Spangler

School of Education and Social Policy:
Cynthia Coburn (starting winter 2013)

Kellogg School of Management:
Daniel Aobdia
Gadi Barlevy
Efraim Benemelch
Robert Bray
Linda Darragh
Lorenz Kueng
Danielle Li
Michael Powell
Holly Raider

School of Law:
Eric Delaney
Joshua Fischman
Nadav Shoked

McCormick School of Engineering and Applied Science:
Oliver Cossairt

The Medill School:
Craig Duff
Stephanie Edgerly
Mei-Ling Hoppgood
Cecilia Vaisman

Weinberg College of Arts and Sciences:
Nir Avni
Ana Arjona
Yarrow Axford
Edith Chen
Eric Dahl
John Francis
Danna Freedman
Marco Gallio
Kristian Hahn
David Harris
Daniel Immerwahr
Sylvester Johnson
Yanna Krupnikov
Lee Lockwood
Guido Lorenzoni
Inigo Manglano-Ovalle
Greg Miller
Raphael Pinaud
Paul Ramirez
Toru Shiozaki
Helen Tilley
Valentino Tosatti
Xinwen Zhu
Aaruni Khanolkar
Steven Kindel
Xiaorong Liu
Lei Liu
David Manning
Guido Marra
Mary McBride
Michael McGee
Michael-Alice Moga
Enid Montague
Eric Neilson
Nikki Neubauer
Angira Patel
Terrance Peabody
Frank Penedo
Adam Petrich
Hyewon Phee
Shyam Prabhararan
Neil Rosenberg
David Rusinak
Kristian Schafernak
Julie Schmidt
Steven Schwulst
Samuel Seiden
Ravi Shah
Gregory Smith Jr.
Michael Stover
Ranya Sweis
Victor Tsirline
Joel Voss
Janelle Walton
Jason Wertheim
John Wilkins
Katherine Wisner
Lihui Zhao
NU Professor Hosts Infrastructure Show

Infrastructure is interwoven with our daily lives. When it performs well, we mostly ignore it. When it fails, we endure disruptions and sometimes disasters. In order to encourage public understanding and appreciation of infrastructure, Joseph Schofer (pictured), civil and environmental engineering and director of the Northwestern Infrastructure Technology Institute, started a podcast called “The Infrastructure Show,” which is available online at no charge.

Cohosted by Schofer, the monthly podcast invites experts to discuss the condition of American infrastructure, including repairs, upgrades, and new construction.

“The show is a way to communicate to a broad audience the excitement, challenges, and successes of big infrastructure in America,” Schofer says. “These topics have always interested me, and our podcast is a way to share that interest with others.”

Recent show topics include a discussion about the public-private partnership that’s building a rail connection to Denver International Airport, a celebration of the Golden Gate Bridge’s 75th anniversary, and a look at the Sacramento-San Joaquin River Delta levee system. Schofer and his guests emphasize topics of preventive and predictive maintenance as well as the use of advanced technologies for structural health monitoring, a special focus of Northwestern’s Infrastructure Technology Institute.

Schofer’s cohost is Tom Herman, a talented radio personality who does not have a background in engineering. Schofer credits Herman for asking questions that Schofer might otherwise overlook. The podcast is recorded under the direction of experienced media producer and infrastructure fan Marion Sours every three months at Reeves Audio Studio in Evanston. Schofer and Herman keep the dialogue accessible to all listeners.

“We’ve identified great guests—real experts who know the technical and managerial aspects of a particular system, project, or problem,” Schofer says. “As an engineer, I keep the discussion focused on important technical and economic issues—not politics or emotion.”

To learn more about the show or listen to past podcasts, visit http://theinfrastructureshow.com.

ETOPiA to Present The How and the Why

If her theory is correct, a graduate student might single-handedly unravel the career of a respected professor. Whose side will the scientific community take?

The How and the Why — a play by Sarah Treem about two female evolutionary biologists at opposite ends of their careers — will have its Chicago-area premiere this fall at McCormick.

Having premiered in January 2011 at the McCarter Theater in Princeton, New Jersey, The How and the Why tells the story of Zelda, a Harvard professor, and Rachel, an NYU grad student. The two women are connected by their competing evolutionary theories about the female body, but their relationship actually goes far deeper, as the audience learns throughout the course of the play.

The How and the Why will be presented as part of ETOPiA: Engineering Transdisciplinary Outreach Project in the Arts, an outreach initiative that seeks to inspire cross-disciplinary dialogue about the role of science and technology in society.

The production, ETOPiA’s fifth, features two professional Chicago actors: Peggy Roeder and Brenda Barrie. Maureen Payne-Hahner, an ensemble member at Chicago’s Gift Theatre and three-time ETOPiA director, will direct.

“ETOPiA is entering a new phase in its development,” says Matthew Grayson, electrical engineering and computer science and producer of the ETOPiA initiative. “Our annual performances in Northwestern’s Tech Institute have now earned a reputation among professional performers and directors in the Chicago area. As a result, this year we have attracted yet another phenomenal cast and production team to present a new play which delves into the hearts of the human beings who create science.”

The How and the Why will run from September 27 to October 14. Performances will begin at 8 p.m. Thursdays through Saturdays and 2 p.m. Sundays at the Technological Institute, 2145 Sheridan Road, on the Evanston campus. All ETOPiA performances are open to the public and free of charge, though reservations are strongly recommended. For more information, visit www.etopia.northwestern.edu.
Polished Work: Optical Microscopy and Metallography Facility

In January 1959, Northwestern’s department of metallurgy underwent a groundbreaking name change. Recognizing that the interdisciplinary faculty was broader than metals—drawing from chemistry, mechanical engineering, and nuclear engineering—Northwestern renamed the unit “materials science,” forming the first materials science department in the world. Five decades later, Northwestern continues to lead the field. However, over the years, new materials have been developed and older materials have been improved. As these new and improved materials arise, the technology of sample preparation also needs to keep pace. Much of this material sample preparation occurs in one of the University’s oldest core facilities—the Optical Microscopy and Metallography Facility (OMM).

Originally founded as a shared facility within the metallurgy department, the OMM is a laboratory equipped to prepare specimens not only for examination by optical microscopy in the facility but also for other observation and testing techniques which require careful surface preparation. It is directed by Kenneth Shull, materials science and engineering.

“’The core of materials science is studying the relationship between a material’s properties and its structure and the processing parameters which affect that structure,’ says Carla Shute, manager of the facility. ’As a material scientist myself, I work with my users to help them with sample preparation and even sometimes to discuss details of their experimental procedures. Many testing procedures also require careful sample preparation, so the OMM Facility does not only prepare samples for optical microscopy.’

Shute recently met with a research group from mechanical engineering that studies the interface between a thin, 80-micron, polymethyl methacrylate (PMMA) layer and a silicon substrate. While PMMA is soft like plastic, silicon is hard and brittle. Hard materials polish at a different rate than a soft material component making hybrid materials challenging to work with. For situations like this, the facility recently acquired a triple beam ion milling machine (Leica TIC3X), which is able to prepare samples that are difficult to polish, such as porous, multi-component, water sensitive, heat sensitive, or composite samples.

In addition to preparing samples, the OMM facility serves as a learning facility for undergraduate and graduate students at Northwestern and for many visiting students, especially through the Research Experience for Undergraduates (REU) program which is administered through the Materials Research Center. Shute works with students for the laboratory component of several materials science classes and with students enrolled in the Engineering Design Course each year. Students learn how to prepare samples, perform hardness testing, heat treat samples, and examine materials with optical microscopy.

“Materials research is very equipment heavy,” Shute says. “You have to be hands on. You have to work with instruments and understand your results and errors. The way you learn that is to gain experience by working in the lab. It’s a very important part of education.”

Located on the second floor of Cook Hall in Evanston, the Optical Microscopy and Metallography Facility is used by researchers in materials science and engineering, civil and environmental engineering, mechanical engineering, electrical engineering and computer science, and applied physics. For more information about the facility, click here.
**Faculty Research Around Campus**

A study by **Mercedes R. Carnethon**, preventive medicine, found that thinner diabetics face a higher death rate. Read more…

A report by **Alice Dreger**, clinical medical humanities and bioethics, details the risky use of a prenatal steroid that attempts to prevent intersex, tomboys, and lesbians. Read more…

**Richard Gershon**, medical social sciences, introduced the new NIH Toolbox for Assessment of Behavioral and Neurological Functions. Read more…

Work led by **Bartosz A. Grzybowski**, chemical and biological engineering, resulted in a giant network linking all known compounds and reactions to create a chemical Google. Read more. Grzybowski also led the development of a nanoparticle that can detect heavy metals in our water and fish. Read more…

Research by **Eszter Hargittai**, communication studies, found that Americans actually like “information overload.” Read more…

Research led by **Curl M. Horvath**, molecular biosciences, discovered one of the ways influenza virus disarms our natural defense system. Read more…

Researchers led by **Joseph Hupp**, chemistry, and **Randall Snurr**, chemical and biological engineering, broke a world record by creating to new synthetic materials with the greatest amount of surface area reported to date. Read more…

In a precedent-setting prosecution of pirates under international law, the Supreme Court of the Seychelles relied heavily on the scholarship of **Eugene Kontorovich**, law. Read more…

**Neelash A. Patankar**, mechanical engineering, co-authored a study that was able to boil water without bubbles. Read more…

**David Uttal**, psychology, led a study finding training is effective for improving spatial skills. Read more…

A study by **Emily Rogalski**, Cognitive Neurology and Alzheimer’s Disease Center, for the first time identified an elite group of elderly people aged 80 and older whose memories are as sharp as people 20 to 30 years younger. Read more…

New ferroelectric materials developed by **Samuel I. Stupp**, materials science and engineering, and his collaborators could bring down cost of cloud computing and electronic devices. Read more…

A study led by **Laurie Wakschlag**, medical social sciences, found that temper tantrums in children are not as frequent as previously thought. Read more…

**Honors & Awards**

**Mark Bevan**, physiology, received a Jacob Javits Neuroscience Investigator Award by the National Institute of Neurological Disorders and Stroke.

**Fabian Bustamante**, electrical engineering and computer science, was invited to serve on the editorial board of the SIGCOMM Computer Communication Review.

**Joel Frader**, pediatrics and medical humanities and bioethics, was honored by the American Academy of Pediatrics with the 2012 William G. Bartholome Award for Ethical Excellence.

**Denise Goodman**, pediatrics, was awarded the Morris Fishbein Fellowship in Medical Editing from the Journal of the American Medical Association.

**Ruchi Gupta**, Institute for Healthcare Studies, received the Chicago Foundation for Women’s Asian American Leadership Council’s 9th Annual Breaking Barriers Award.

**John Hagan**, sociology, received the Harry J. Kalven, Jr. Prize from the Law and Society Association.

**Jonny Imerman**, oncology, was selected by CNN as a CNN Hero: “Everyday People Changing the World.”

**Darwin Labarthe**, preventive medicine, received the 2012 Gold Heart Award from the American Heart Association.

**Tobin Marks**, chemistry, received the Gabor A. Somorjai Award for Creative Research in Catalysis from the American Chemical Society.

**Andrew Mazar**, Chemistry of Life Processes Institute, has been invited to serve as a member of the NIH Center for Scientific Review’s Developmental Therapeutics Study Section.

**Dan McAdams**, psychology, received the 2012 Jack Block Award from the Society for Personality and Social Psychology for career contributions to personality psychology.

**Jorge Nocedal**, electrical engineering and computer science, was awarded the George B. Dantzig prize, given jointly by the Society for Industrial and Applied Mathematics and the Mathematical Optimization Society.

**Manijeh Razeghi**, electrical engineering and computer science, was editor of Antimony: Characteristics, Compounds, and Applications published this summer by Nova.

**Samuel I. Stupp**, materials science and engineering, received the Ronald Breslow Award for Achievement in Biomimetic Chemistry from the American Chemical Society.

**D. James Surmeier**, physiology, was awarded one of three new Blueprint for Neuroscience Research grants from the National Institutes of Health.

**Peter Voorhees**, materials science and engineering, received the 2013 J. Willard Gibbs Phase Equilibrium Award from the American Society for Metals.
NUANCE Fest 2012

Drop into NUANCE today (Wednesday, September 19) and enjoy the Center’s annual festival. Participants will meet the staff of NUANCE, view poster presentations, enjoy free food and drinks, compete for raffle prizes, and learn about the new instruments and capabilities that have been added to the facility in the past year.

The event will take place between noon and 1:30 p.m. in the Cook Hall atrium in Evanston. Attend the event and like NUANCE on Facebook for a chance to win a $100 Visa gift card. To register, visit http://www.nuance.northwestern.edu/NUANCE_Fest_2012.

NUANCE (the Northwestern University Atomic and Nanoscale Characterization Experimental Center) is directed by Vinayak Dravid, materials science and engineering.

NU Prof Meets Steven Chu

Alok Choudhary (left), electrical engineering and computer science, met with United States Secretary of Energy Steven Chu at the 2012 Department of Energy Computational Science Graduate Fellowship Annual Conference, July 26. Choudhary gave the keynote address: “Discovering Knowledge from Massive Networks and Science Data—Next Frontier for HPC.”

Research in the News: August 1 – September 18

*The New Yorker* discussed *A Condition of Doubt: The Meanings of Hypochondria* by Catherine Belling, medical humanities and bioethics.

A study by Mercedes Carnathon, preventive medicine, finding that thinner people with type-2 diabetes have a higher risk of death than heavier people was in *U.S. News & World Report, Reuters, Time Magazine, The New York Times, The Atlantic, CBS News, and CNN.* Carnathon also published a study about sleep and race that was reported by *The New York Times.*

Covered by *ABC News,* a study by Don R. Catherall, psychiatry and behavioral sciences, found that marriage causes women to drink more and men to drink less.

Alexander Chernev, marketing, wrote an article about J.C. Penney’s redesigned business model. It was published in *BusinessWeek.*

A paper by Robert Gordon, economics, in which he posits that the U.S. is headed for an economic ice age, was covered by *U.S. News & World Report, BusinessWeek,* and *The Washington Post.*

Exzter Hargittai, communication studies, discussed the myth of “information overload” with *The Atlantic.*

*ABC News, Scientific American, LiveScience.com,* and *The New York Times* covered research by Nina Kraus, communication sciences and disorders, finding the lasting brain benefits of music lessons. *Kraus* also led a study finding that learning another language can make people better leaders; this research was covered by *The Washington Post* and *The New York Times.*

Kate Masur, history, wrote an article about President Lincoln’s race relations for *The New York Times.*

David Mohr, preventive medicine, discussed the unclear link between stress and multiple sclerosis in *USA Today.*

An article by J. Keith Murnighan, management and organizations, about how to stop micro-managing was on *CNN.com.*

Steven Rosen, Lurie Cancer Center, discussed the benefits of pairing cancer survivors with cancer patients on *CNN.com.*

A study by Karl Rosengren, psychology, finding that the supernatural is more important as we age, was on *ABC News.*

*Forbes* covered a study by Mohanbir Sawhney, marketing, finding that innovation is encouraged by “blank checks.”

President Morton O. Schapiro, economics, wrote an article about how to handle “helicopter parents” for the *Washington Post.*

David Scheffer, law, wrote an article about the funding of the war crimes tribunal of senior Khmer Rouge leaders for *The New York Times.*

A study led by Lisa Shu, management and organizations, finding that signing forms at the top rather than at the bottom encourages honesty was in *Wired Magazine.*

Lee Shulman, obstetrics and gynecology, discussed prenatal gene tests with *The New York Times.*

Anup Srivastava, accounting information and management, discussed Facebook’s future cash flows with *The New York Times.*

New computer memory material developed by Samuel I. Stupp, materials science and engineering, was covered by *Science.*

Robert Vassar, cell and molecular biology, discussed the prevention of Alzheimer’s disease with *National Public Radio.*

A study by Laurie Wakschlag, medical social sciences, finding that temper tantrums in children are not as common as previously thought was in *U.S. News & World Report* and *The Today Show.*

Phyllis C. Zee, neurology, discussed the importance of sleep for learning on *ABC News.*
New OSR (Chicago) Executive Director Named: David E. Lynch

David E. Lynch, currently director of the Office of Sponsored Projects Administration of Mayo Clinic, has been named to serve as the next executive director of the Office for Sponsored Research, Chicago.

Lynch will join the Office for Research on Monday, October 22. Until then James E. Young will continue to serve as the interim director for OSR (Chicago), as he has done since last winter.

Lynch has handled research administration at the Mayo Clinic since 2000. Before that he served for ten years in similar positions at the University of Minnesota. He also has held committee and leadership positions at both the regional and national levels of the National Council of University Research Administrators since 1990. He has conducted workshops and concurrent sessions and served as a panelist and on various project teams for that national organization.

In his most recent position as director of the Office of Sponsored Projects Administration (OSPA) at the Mayo Clinic, Lynch served as institutional official for federal, foundation, industry, and other sponsored research projects. He directed staff in the development and processing of research proposals, grants, awards, contracts, and related documents. At the Mayo Clinic he provided system-wide leadership in all forms of extramurally sponsored research.

Steven C. Smith, chair of the Department of Research Administrative Services at the Mayo Clinic, said in his announcement of Lynch’s career move: “[Northwestern’s Office for Research is] fortunate to have someone of his background, experience, and expertise joining its senior leadership staff.”

Lynch received his masters of science, administration degree from Indiana University's School of Health, Physical Education and Recreation where he also earned a graduate certificate of public management from the School of Public and Environmental Affairs. As an undergraduate at Indiana University, he earned a bachelor’s of arts degree with a Geography major and Urban/Regional Planning minor.

Northwestern Scholars Joins VIVO Network

The research network of Phyllis C. Zee, neurology, as visualized by Northwestern Scholars. Zee is represented by the red dot near the center; her collaborators are the purple dots. The lines connecting them represent the papers they have published together.

Northwestern Scholars is now part of the VIVO network, a semantic network that enables the discovery of researchers across institutions throughout the United States and around the world.

Northwestern Scholars is a networking website and searchable database of faculty members’ individual research expertise. By connecting to the VIVO semantic network, Northwestern now has a “common language” to share its data with other web-based applications that support research collaboration.

VIVO uses a common data standard that allows research expertise software applications to work together seamlessly, and provides a framework for open discovery of research networks. VIVO-compliant software tools can now use Northwestern’s profile data to help scholars across the globe discover Northwestern faculty members’ expertise, and in turn investigators at Northwestern can use the tools to find experts at other institutions.

The combination of SciVal (the research networking tool behind Northwestern Scholars) and the VIVO network makes it easier for investigators throughout the University to form research teams, gather and organize supportive data for grant applications and help faculty and students at all levels find mentors.

“The availability of data from Northwestern Scholars in the VIVO format (via an Endpoint) opens up exciting possibilities for the development of next-generation recommender systems to connect researchers with collaborators and resources (documents, equipment, analytic tools, and funding opportunities) at Northwestern and at other institutions that are part of the VIVO network,” says Noshir Contractor, industrial engineering and management sciences.

“Northwestern Scholars shares a wide range of expertise data across VIVO so that other institutions can discover the research and other scholarship at Northwestern.”

VIVO is an open source, semantic web application for integrating and sharing information about researchers and their activities and accomplishments at a single institution while supporting discovery of related work and expertise across a distributed network. VIVO is fundamentally interdisciplinary; it enables and promotes the discovery of research and scholarship across traditional boundaries of geography, organizations, academic or clinical or applied domains, technology, language, and culture.

A diverse collection of activities is associated with the VIVO project, across federal agencies, academic institutions, professional societies, and data providers, as well as a variety of efforts with the Semantic Web and ontology development communities. For more information about VIVO, please visit: http://vivoweb.org.
Nobel Winner to Address Nano Symposium

Nobel laureate Ahmed Zewail (pictured), the first United States Science Envoy to the Middle East, will deliver the plenary speech at this year’s annual International Institute for Nanotechnology (IIN) Symposium. The symposium will be held on Thursday, October 18 at the Hilton Orrington Hotel in Evanston.

A professor of chemistry and physics at the California Institute of Technology, Zewail was the sole recipient of the 1999 Nobel Prize for his pioneering developments in femtoscience, making it possible to observe atomic motions during molecular transformations in a femtosecond, which is a millionth of a billionth of a second. His talk, “Visualizing the Nano-World, From Atoms to Cells,” will take place at 9:10 a.m., followed by a Q&A session at 9:50.

Other distinguished speakers include Takuzo Aida, University of Tokyo; Carlos Bustamante, University of California-Berkeley; Yet-Ming Chiang, Massachusetts Institute of Technology; James Heath, California Institute of Technology; and Evelyn Hu, Harvard University.

A reception will take place from 4:20 to 6 p.m. in the atrium outside of the Hilton’s grand ballroom. Due to support from sponsors, attendance is free, but reservations are required. Space is limited, so interested parties are encouraged to register early.

Organized by IIN director Chad Mirkin and Milan Mrksich, both chemistry, the symposium is sponsored by Baxter, NanoInk, NanoSight, Argonne National Laboratory, Hitachi, Abbott Laboratories, Husch Blackwell, and Nanosphere.

For more information or to register, visit http://www.iinano.org/symposium2012.

Corporate Liaison Network Schedules Next Meeting

Corporate use of Northwestern core facilities will be the topic of the next Corporate Liaison Network luncheon. Moderated by Phil Hockberger, director of core facilities, the event will take place at noon on Friday, September 28 in Hardin Hall.

The Corporate Liaison Network (CLN) is a voluntary group of operating units from across the University that are working together to improve the ways in which corporations interact with Northwestern.

Co-chairs of CLN are Colleen Burrus, director of corporate relations, and Jeff Coney, director of economic development. Meetings are held on a quarterly basis.

Speakers at the luncheon will include:

• Vinayak Dravid, materials science and engineering and director of the NU Atomic and Nanoscale Characterization Experimental Center (NUANCE)
• Teng Leong Chew, cell and molecular biology and director of the Cell Imaging Facility and the Nikon Imaging Center
• Andy Ott, chemistry and director of the Integrated Molecular Structure Education & Research Center (IMSERC)
• Denis Keane, director of the DuPont-Northwestern-Dow Collaborative Access Team (DND-CAT)

If you are interested in attending, then send your RSVP to CorporateRelations@northwestern.edu by Tuesday, September 25 at noon.

Request for Images

Northwestern magazine is searching for scientific images for its “Specimen” section. “Specimen” highlights the research of Northwestern faculty and students.

Selected images will appear in upcoming issues of the magazine.

All images are required to be high-resolution and print quality at 300-dpi. The deadline for entry is Monday, October 1.

Please send images or questions to Sean Hargadon, senior editor, Northwestern magazine: s-hargadon@northwestern.edu.

Visit Northwestern magazine at www.northwestern.edu/magazine.

Where’s the Office for Research?

If you’re thinking about dropping in on a member of the Office for Research in the near future, it’s best to call before you come.

Most Office for Research staff currently located on the first floor, West Tower of the Rebecca Crown Center in Evanston will move to the second floor, Crown North Tower by early October. Staff from the Office of Research Development also will relocate there. In most cases, staff will retain the same telephone numbers.

“Moves can be stressful, but staff from the Office for Research have been taking it in stride. We will all be glad once we’ve settled into our new homes,” says Aaron Rosen, Office for Research business coordinator, who is managing the moves.

Nearly all staff members from the Office for Sponsored Research have already moved to their new suite on the second floor of 1801 Maple. All moves for OR personnel should be complete by the beginning of November.
Kit Lam (pictured), professor of hematology and oncology at the University of California at Davis, will discuss the use of nanoparticles for cancer therapy in his keynote address for Northwestern's 17th Annual Drug Discovery Symposium.

The symposium will take place on Wednesday, October 17 in the Hughes Auditorium and Ryan Atrium at the Robert H. Lurie Medical Research Center in Chicago. “Targeting nanoparticles for cancer therapy and imaging” will be presented at 2 p.m.

At 3 p.m., researchers will share current projects in the field of drug discovery across a range of disease areas as a scientific poster session and networking reception. Submission for poster abstracts is now open; the deadline is Friday, October 5.

A poster award ceremony will take place at 4:45 p.m. Sponsored by Sigma-Aldrich, awards will go to one postdoctoral fellow and one graduate student.

The symposium is a key component of the education and outreach activities of Northwestern's Center for Molecular Innovation and Drug Discovery. Other sponsors are Takeda, the Robert H. Lurie Comprehensive Cancer Center of Northwestern University, and the Driskill Graduate Program in Life Sciences. While the event is free, registration is encouraged. The registration deadline is Friday, October 5.

For more information, visit http://www.cmidd.northwestern.edu/symposium.

Mayor Rahm Emanuel has declared October 30 to November 7, 2012 “Informatics Week” in Chicago.

“I urge all Chicagoleans to make an effort to participate in the activities highlighting the role of informatics in improving the quality, safety, and cost-effectiveness of health care in Chicago and the United States,” Emanuel says in his Proclamation.

This event is the first of its kind in Chicago and highlights the rapidly growing importance of healthcare informatics to the region. It coincides with the world’s premier scientific meeting for biomedical and health informatics, the American Medical Informatics Association (AMIA) 2012 Annual Symposium, being held in Chicago for the first time since 2007.

Biomedical informatics is the interdisciplinary field that focuses on the collection, organization, and application of information to answer questions, solve problems, and improve human health and the delivery of healthcare services.

The Mayor notes “informatics-based tools are important for improving both the quality and efficiency of health care for the citizens of Chicago and the nation.” He says “Chicago is the home to thousands of healthcare providers that use informatics-based tools and numerous corporations that provide informatics solutions and hire informatics professionals.”

Co-chairs for Informatics Week are Northwestern’s Justin Starren, preventive medicine: health and biomedical informatics, and Frank Naeymi-Rad, chairman and chief executive officer of Intelligent Medical Objects, the leading developer of medical terminology solutions for medical records systems.

According to Starren, the two primary goals are to raise awareness of biomedical and health informatics throughout the Chicago area, and to showcase the breadth and depth of Chicago-based informatics activities to international visitors who will be in town for the AMIA Symposium. Starren says, “Since moving to Chicago, I have been amazed by both the quality and volume of informatics activity in this city. I have been equally amazed by how unaware my colleagues outside of Chicago are of this activity. Informatics Week is a great way to highlight all the great informatics activity happening in Chicago.”

More information on Informatics Week is available at chicagoinformaticsweek.org.

The 10th Annual Symposium of the Chicago Biomedical Consortium (CBC) will focus on epigenomics. A growing field, epigenomics studies alterations of the genetic material of a cell, giving insight into the genome.

The CBC Symposium will take place from 9 a.m. to 5:30 p.m. on Friday, October 12 in the McCormick Auditorium within the Norris University Center in Evanston. Richard Morimoto, molecular biosciences and CBC scientific director, will deliver the symposium’s opening remarks.

Speakers will include Northwestern’s Jonathan Licht, medicine: hematology oncology; Chuan He, University of Chicago; Steve Henikoff, Fred Hutchinson Cancer Research Center; Tom Misteli, National Cancer Institute; Qun-Tian Wang, University of Illinois at Chicago; and Joanna Wysocka, Stanford University.

To register or view the full program, follow this link.
Unveiling: 2012 Scientific Images Contest Winners

Come enjoy the beauty of science as Science in Society unveil the winners of Capturing the Beauty of Science: 2012 Northwestern University Scientific Images Contest. Each of the 12 pieces, judged by a panel of local artists, scientists, and community leaders, is representative of real Northwestern research and showcases the beauty and wonder of science.

The event will take place from 3 to 5 p.m. on Sunday, September 23 at the Noyes Cultural Arts Center, 927 Noyes Street, Evanston. First through fifth place winners will be announced at 3:30 p.m.

Admission is free and open to the public. Refreshments will be served. For more information, email scienceinsociety@northwestern.edu. View the gallery for last year’s winners here.

Research Administration Training

Once each quarter, the Office for Research Integrity (ORI) takes research administration out of the office and puts it into the classroom. The Research Administration Training Seminar is a four-session event geared toward research administrators and staff involved in research administration.

The seminar installments will take place on the following dates from 9 a.m. to 12:30 p.m.:

- Tuesday, September 25
- Thursday, September 27
- Tuesday, October 2
- Thursday, October 4

All four sessions build on each other, so participants are encouraged to attend all four. Each installment will be held in the lower level classroom of Chambers Hall in Evanston. The seminar is free, but registration is required.

For more information or to reserve a seat, contact Lindsay Greco at l-greco@northwestern.edu or (312) 503-2748.

Research Admin. Workshops

The Feinberg School of Medicine, Office for Sponsored Research (OSR), and Accounting Services for Research and Sponsored Programs (ASRSP) will sponsor a new round of interactive workshops for Feinberg administrators. Facilitated by senior administrators, each session will focus on a critical aspect of research administration.

The dates and topics are:
- Thursday, October 4: cost principles
- Thursday, October 11: proposal planning and development
- Thursday, October 18: proposal submission and award
- Thursday, October 25: salary planning and effort reporting
- Thursday, November 1: subcontracts: coming and going
- Thursday, November 8: expense monitoring
- Thursday, November 15: hands-on workshop (Tarry, 1-730)

Unless otherwise noted, all sessions will take place from 1 to 4 p.m. at Wieboldt Hall on the Chicago campus. Attendees are encouraged to submit questions in advance. Tools such as spreadsheets and checklists will be provided. Registration is required.

For more information or to register, email Eric Boberg.

CRC Basic Training

This fall, NUCATS will offer both online and live clinical research coordinators (CRC) basic training. An intensive program, the training is designed to meet the needs of coordinators who have less than one year of experience or who have never received formal training.

The live training will take place in a classroom setting over the course of three days. Classes typically are limited to ten students to ensure that each student receives individualized instruction. The course fee includes all materials. Students who complete the course will receive 22.5 hours of continuing education credit. The classes will take place from 8:30 a.m. to 5 p.m. on November 12-14 in the Lakeview conference room on the 11th floor of the Rubloff Building in Chicago.

The online training uses Adobe Connect to bring the instructor and classmates to your office or home. Classes will meet from 10 a.m. to 12:30 p.m. on October 4, 11, 18, and 25. In order to attend the online training, participants must first complete a 30-minute introduction to the online learning course. It will introduce learners to the online classroom setting and assist them with a preliminary understanding of clinical research.

Both online and live courses will provide a practical introduction to the clinical research coordinator role with tools and templates. They will include an overview of the clinical research process, introduction to roles of key personnel involved in clinical research, good clinical practices, ethics, regulatory considerations, and best practices for success.

For more information, follow this link.
Proposal and Award Reports through July 2012

The total amount of award funding received through July 2012 is $416.3 million, an increase of 2 percent ($9.8 million) over July 2011. This July 2012 figure includes 62 awards totaling $9.1 million in funding from the American Recovery and Reinvestment Act.

Through July 2012, the dollar volume of awards from industrial sponsors reflected an increase of 38 percent ($14.6 million), while those from federal agencies grew by 1 percent ($4.1 million). Awards from state and local government bodies decreased by 89 percent ($4.4 million), while those from voluntary health organizations declined by 23 percent ($3.6 million).

The dollar volume of proposals submitted through July 2012 is approximately $1.9 billion, an increase of 3 percent ($50.1 million) over the total reported through July 2011. Through July 2012, the dollar volume of proposals submitted to federal agencies grew by 3 percent ($57.0 million), while those to industrial sponsors increased by 67 percent ($26.7 million). Proposals to educational institutions nearly doubled with an increase of 97 percent ($6.1 million). Proposal activity to foundations decreased by 50 percent ($39.7 million).

To access the full reports, please click the link here. You will first be brought to the university’s single sign-in access page, where you will then need to provide your NetID and password. From the report launching page, find the appropriate report type and select the desired month.

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Jay Walsh, Vice President for Research
Meg A. McDonald, Senior Executive Director
Joan T. Naper, Director of Research Communications
Kathleen P. Mandell, Senior Editor
Amanda B. Morris, Publications Editor
research@northwestern.edu
www.research.northwestern.edu

CIERA Visits Ravinia

CIERA postdoc Kyle Kremer demonstrates a model of the solar system for a young participant at Ravinia’s 2012 Astronomy Night. Organized by Northwestern alumnus Donald Lubowich, physics professor at Hofstra University in New York, the theme of this year’s event was “One Score, One Chicago: The Planets.” The park hosted many astronomy enthusiasts to an evening with the Chicago Symphony Orchestra and a show dedicated to our solar system.

CIERA joined Science in Society, Astronomy Magazine, University of Chicago, South Pole Telescope, and Lubowich for tables set up in a large tent on the north side of the park. Participants circulated the tables throughout the evening to view several astronomy-related props and demonstrations. To view more photos from the July 31st event, click here.