New Minds, Novel Approach
Renew ‘Hope’ for an HIV Vaccine

Thomas Hope, PhD, professor of cell and molecular biology at Northwestern University Feinberg School of Medicine, has been commissioned in the war on HIV.

“I see this as my once-in-a-lifetime opportunity to do something cool on a big, important scale for worldwide public health, so I am going for it,” says Hope.

Hope’s determination comes from the realization that his decades of research hold new found potential to reverse the global epidemic, especially in countries he has visited where patients are desperate to stop the disease.

He is currently investigating methods to create an HIV vaccine through a $5.4 million grant from the Bill & Melinda Gates Foundation to join the Collaboration for AIDS Vaccine Discovery (CAVD). Hope is among the new breed of investigators who will test different mechanisms that could lead to protective antibody responses.

Formed five years ago, CAVD is an international network of scientists dedicated to finding promising vaccine candidates and fast-tracking them to clinical trials. Hope received the award in September as part of the second round of CAVD funding to build on previous successes and facilitate new directions in research.

With a doctorate degree in immunology, Hope has a diverse background, combining expertise in the disciplines of virology and cell biology to understand how viruses behave in cells and more recently, in tissues. For a decade, his team laid the groundwork for microscopy.

Continued on pg. 2
study of HIV by creating widely used fluorescent imaging methods to visualize the virus in living cells. Coupled with time-lapse analysis, the same technology revealed that infected dendritic cells form synapses with target cells, enabling the virus to easily spread.

**New Ideas from an Old Substance**

Unlike other vaccines, attempts to generate those “magic bullet” binding neutralizing antibodies (bnAbs) — antibodies that attach to and kill the virus — have failed thus far in HIV vaccines.

Hope explores other options and looks to results from an RV144 Phase III clinical trial in Thailand, completed in 2009, that produced antibodies that bound to, but did not kill, the region’s specific viral strain. Participants received vector vaccine (similar to smallpox virus), followed by injected HIV proteins.

In other experiments, Hope found that HIV does not infiltrate tissues coated with significant amounts of mucus. This spurred him to focus on creating a vaccine that would work by attaching to the virus, trapping it in thick cervical mucus, and preventing it from reaching tissues.

“Now what I am pushing is the antibody interacting with the components of the mucus barrier to see if together, they can provide protection,” he says.

If this daunting proposal can work, researchers need to find the right combination of HIV strain, antibodies, mucus consistency, pH, and method of administration, in addition to other variables that will trigger an effective immune response.

**World War on HIV**

In his CAVD work early next year, Hope will return to Thailand to begin RV305 and RV306 clinical trials on whether the virus can be halted in mucosal samples from study participants.

As PI for the Gates grant, Hope leads a team of experts in mucosal responses, proteomics, gene expression, and systems analysis from Northwestern, Harvard University, the University of North Carolina, and the U.S. Military HIV Research Program.

He credits Northwestern’s Office of Research Development (ORD) for supporting the project management for the Gates grant proposal and linking him with other Northwestern researchers who round out the grant team. They include: Igal Szleifer, PhD, the Christina Enroth-Cugell Chair and Professor of Biomedical Engineering; Neil Kelleher, PhD.

Thomas Hope, PhD

the Walter and Mary Elizabeth Glass Professor in Life Sciences, and Feinberg professor of medicine; and Serdar Bulun, MD, division chief of reproductive biology research.

In addition to the Gates grant, Hope, who came to Northwestern in 2005, is PI or co-PI for $20 million in active, ongoing grants from other sources including the National Institute of Allergy and Infectious Diseases, National Institute for General Medical Sciences, and the Henry M. Jackson Foundation, which advances scientific programs benefiting the military.

He praises Northwestern’s dedication to global HIV research and wants to ultimately form a center, bringing faculty from different colleges and schools within the university together to collaborate on prevention.

Growing understanding about HIV transmission gives Hope high hopes about a vaccine.

In November, Hope returned from Durban, South Africa, where he calls the epidemic “horrific.” In the near future he will be working with a UNAIDS collaborating center for HIV prevention research, which recently saw HIV transmission decrease 40 percent when women used a microbicide vaginal gel—the first successful intervention of its type. Examining cervical biopsies, he seeks to discover why some women got the virus and others did not, and will use those findings to assist in vaccine development.

“Some think we might be five steps away from a vaccine, when we might really be two steps away. This is really very wonderful and exciting,” he says.

For more information on research in HIV prevention, contact Thomas Hope: thope@northwestern.edu or (312)503-1360.
Feinberg Offers Research Administration Workshops

For the first time on the Chicago campus, the Feinberg Research Office, with Northwestern University Office for Sponsored Research (OSR) and Accounting Services for Research & Sponsored Programs (ASRSP), conducted a series of interactive workshops for research administrators on important topics in research administration.

The workshops featured sessions on subjects such as cost principles, effort reporting, salary planning and distribution, and proposal submission.

“There was a need to develop a community for research administrators to pose practical questions and share experiences with each other, as well as the need for advanced training for administrators,” says Michelle Grana, administrative director for the Beuhler Center on Aging, Health and Society. Grana, a research administrator herself for more than 16 years, helped plan and also presented at the workshops.

“Even though research administrators fully understand the policies and guidelines, these sessions can help participants figure out pragmatic approaches to accomplish goals given the competing priorities we face every day.”

The sessions, offered in October and November, filled to capacity for most workshops. The audience ranged from novice administrators to more experienced directors, and feedback was “quite positive,” according to Grana. Presenters also included Eric Boberg, PhD, Feinberg executive director for research, Bruce Elliott, PhD, executive director, Office for Sponsored Research (Chicago), Mike Daniels, senior associate controller & executive director, Office of Financial Operations, and Marsha McClellan, Feinberg director of financial management, Office of Finance, Budget, & Payroll.

“People approached presenters at every session with questions, and contacted us afterwards for advice and to inquire about new tools and methods. It’s been a great way to meet colleagues around the medical school and to network. It was very rewarding for me personally, and I hope the audience got a lot out of it,” Grana says.

As a follow-up to the sessions, all presentations, as well as all the tools presented – checklists, spreadsheets – were posted online, and presenters intend to host open office hours in December for all participants.

The workshops will be held again in January and February 2012 (see inset for dates). Space is limited, therefore registration is required. Research administrators wishing to participate in the 2012 workshops should contact Eric Boberg at e-boberg@northwestern.edu to register.

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<tr>
<th>Date</th>
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<tr>
<td>January 10</td>
<td>1 to 4 p.m.</td>
<td>Cost Principles</td>
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<tr>
<td>January 17</td>
<td>1 to 4 p.m.</td>
<td>Proposal Submission</td>
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<td>Salary Planning &amp; Effort Reporting</td>
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<td>February 7</td>
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2012 research administration workshop dates

Additional Training Programs of Note

NUCATS Center for Education and Career Development offers many programs for investigators and staff interested in clinical and translational research, including the following:

- **CRC Basic Training Online**: January 5, 12, 19, and 26 from 3 to 5:30 p.m.
- **CRC Basic Training Live**: February 6 to 8 from 8:30 to 5 p.m.
- **Taking Responsibility for Responsible Conduct of Research**: A 10-week course that takes place every Tuesday from January 10 through March 13 from 3:30 to 5 p.m.
Faculty Profile: Brian Mitchell, PhD
Assistant Professor in Cell and Molecular Biology

Brian Mitchell, PhD

Assistant professor in cell and molecular biology at Northwestern University Feinberg School of Medicine, studies a “strange-footed” frog to better understand human development.

There’s nothing strange, however, about Mitchell’s passion for science. A Dallas native and fan of outdoor activities such as camping and mountain biking, Mitchell joined Feinberg in 2008. Prior, he completed post-doctoral work at California’s Salk Institute. He earned his doctorate degree in neuroscience at the University of North Carolina, Chapel Hill, and previously worked in pharmaceutical research in San Diego, where he earned his undergraduate degree.

Mitchell’s work has been published in high-impact factor journals such as Nature, Nature Genetics, Developmental Biology, and Genes & Development.

What brought you to Feinberg?

My scientific background is mainly in developmental biology, but I have a long-standing interest in basic cell biology. The opportunity to come to Northwestern University and work among some of the best cytoskeleton cell biologists in the country was very exciting.

What are your research interests?

My lab has several ongoing projects. The first deals with the basic question of how ciliated epithelia work to generate directed fluid flow. This is an important question in a variety of physiological contexts, but most obviously in the respiratory system where the beating of cilia generates the directed fluid flow that clears our lungs of bacteria and debris.

We work to understand how these cells integrate multiple polarity cues to rearrange their intracellular organization in a polarized manner.

The second project involves a cellular process called centriole duplication. Centriole duplication is typically one of the first steps in the cell cycle and is critical to proper cell division. However, centrioles are also involved in generating cilia, so we are interested in the process of centriole duplication in cells that make many cilia. By understanding how nature has uncoupled centriole duplication from the cell cycle in these cells, we believe we can gain insight into how this process goes awry during cancer development.

What is the ultimate goal of your research?

We work towards understanding detailed aspects of cellular function in the context of a living, developing animal.

How does your research advance medical science and knowledge?

While my lab asks many really basic questions about how cells function, we do most our experiments on live animals. We work in the developing embryos of the African clawed frog, Xenopus laevis. In contrast to other experimental models, such as the commonly used mouse, frog embryos develop outside of the mother and so can be easily visualized throughout development. This affords us the opportunity to study detailed aspects of vertebrate development that are relevant to understanding human development and disease.

What types of collaborations are you engaged in across campus?

We have initiated collaborations with members of the dermatology department here at Northwestern to work on how migrating cells break down cellular barriers. During development (and cancer progression) certain cells need to migrate in a specific direction. To do this they need to know their polarity and they need to break through the surrounding cells so that they can migrate to where they need to be.

How is your research funded?

I have received a fellowship from the Parker B. Francis Foundation in pulmonary research. I have an NIH R01 grant that funds the main projects in the lab, and I received a small pilot grant from the Skin Disease Research Center program in the Department of Dermatology to initiate our collaborative experiments.

Who inspires you?

My post-doctoral mentor Chris Kintner from the Salk Institute has really been an inspiration to me. I know of very few scientists who are completely fearless in their approach (to science). He follows whatever directions are exciting to him and consistently pursues important biological questions regardless of how challenging the approach may be. Many scientists get stuck in a rut of what they have been successful doing in the past; I admire people that continually reinvent themselves to push our understanding of biology further.
Where is your hometown?
I was born in Iowa City, Iowa, then moved to Champaign, Ill. when I was six.

What is your educational background?
Born a Hawkeye fan, I graduated from the University of Iowa with a bachelor's degree in political science with an emphasis in international relations in 2005. I spent my junior year abroad at Lancaster University in Lancaster, England studying economics and international relations.

A highlight of my time abroad was taking a month off before finals to travel throughout Western Europe; it added greatly to my overall experience. I’m a strong advocate for study abroad programs, as their value is much more than simply course work.

Tell us about your professional background.
After graduation I moved to Washington, D.C., where I worked as a consultant to the Federal government, first for a small firm, then for BearingPoint, which was later bought out by Deloitte LLP. While consulting I worked in a few different capacities ranging from entry level administration to auditing the IT expenditures for the 2010 Census. I appreciated the skills I gained from working in the corporate sector but I’ve always felt the non-profit side was more of a fit for me.

My wife and I moved to Chicago in August 2009 so she could begin her master's program at Northwestern University. That being the height of the recession, I was very fortunate to find a position at NMFF – temporary at first, then I was hired full time in December. At NMFF I was a financial analyst in the Division of Hematology/Oncology where I was responsible for payroll for faculty and staff, along with various HR duties.

Why did you choose to work at Northwestern?
I was able to work closely with Northwestern faculty and staff in my NMFF role and was drawn to the important work of research administration. I was eager to associate myself with Northwestern, as it is a respected institution with very talented faculty and staff.

What is your role at the medical school?
I am a research administrator in the Research Administration Services office. We collaborate with departments, centers, cores, and institutes in Feinberg to provide comprehensive services at essential intervals in the research lifecycle. We provide expertise in areas of sponsored project management and compliance activities, and resources to further educate department staff.

In my role, I work closely with faculty on award submissions and expense tracking for existing awards, along with any other research administration needs they have.

What is a typical day like?
No day seems to be typical in our office; we interact with a variety of PIs at differing stages in their careers. On a given day we could be submitting an RO1 for one PI while closing out awards for another. I am extremely lucky to work on a team with such amazing people who are willing to teach others from their past experiences. Our office wouldn’t be successful without the dedication of my team members.

What is your favorite part of the job?
Supporting PIs with research administration so they are able to focus on research is very fulfilling. I also like that my office works with all levels of the University and a variety of departments at Feinberg.

What do you do in your spare time?
I enjoy playing frisbee golf, playing racquetball, and cycling — while trying not to have a heart attack watching Hawkeye sports.

Irwin is a member of the National Council of University Research Administrators.

Connect with Irwin on LinkedIn.
Sponsored Research

Anne Rowley, MD
Professor in Pediatrics and Microbiology-Immunology
Project title: “Deep Sequencing of Kawasaki Disease Tissues”
Sponsor: National Heart, Lung, and Blood Institute

Kawasaki Disease (KD) is a systemic inflammatory illness of childhood that causes coronary artery aneurysms in 25 percent of untreated patients and in five percent of those treated with intravenous gammaglobulin therapy. It is the most common cause of acquired heart disease in children in developed nations. Clinical and epidemiologic features including seasonal epidemics and failure of antibiotic therapy strongly suggest a viral cause, but no known virus has been identified.

The Rowley laboratory reported an antigen-driven IgA arterial immune response in acute KD, and synthetic versions of these antibodies identified intracytoplasmic inclusion bodies (ICI) in KD ciliated bronchial epithelium, in a subset of macrophages in lung, spleen, and lymph nodes, and in vascular tissue. Light and transmission electron microscopic analysis (TEM) of paraffin-embedded lung showed that the ICI are consistent with aggregates of viral proteins and RNA. Most recently, TEM of non-embedded bronchial tissue from three cases demonstrated virus-like particles (VLP) in close proximity to ICI. The VLPs were not ultrastructurally typical for any known virus.

These findings led the team to hypothesize that a new, previously unidentified RNA virus that enters through the lung is the causative agent of KD, and that viral sequences in KD tissues can be identified by high-throughput sequencing using a bioinformatics approach.

This virus may have escaped detection to date because of limited nucleotide or amino acid homology with known viruses, and/or because an insufficient number of sequences from KD tissues have been examined.

Rowley has gathered a multidisciplinary team including KD infectious diseases and pathology experts, a virologist, an experienced geneticist, a bioinformatician, and a biostatistician, with the goal of identifying viral sequence(s) associated with KD. Specific aims for this exploratory grant are: 1) Perform ultra high-throughput sequencing of cDNA amplified from KD tissues, 2) Use bioinformatics analysis to identify sequences with viral homology and without a match and perform assembly on sequences of interest to generate the longest contiguous sequences, and 3) Determine the presence of sequences of interest in additional KD and control tissues using real-time PCR analysis. The identification of ICI and VLP in KD tissues provides a unique opportunity to perform directed high-throughput sequencing to identify viral sequence(s) associated with KD, with the long-term goal of determining the etiologic agent of KD. Identification of the causative agent of KD would have profound implications for the field, enabling development of a diagnostic test, improved therapies, and ultimately, prevention of this potentially fatal illness of childhood.

Jay Gottfried, MD, PhD
Associate Professor in Ken and Ruth Davee Department of Neurology and Weinberg College of Arts and Sciences
Project title: “Spatiotemporal Coding in the Human Olfactory Systems”
Sponsor: National Institute on Deafness and Other Communication Disorders

The human sense of smell is frequently disrupted in a variety of neurological and neuropsychiatric disorders. In many instances, olfactory perceptual deficits coincide with, or even precede, the onset of overt classical symptoms, such as memory loss in Alzheimer’s disease or motor dysfunction in Parkinson’s disease. This intimate link to the sense of smell underscores the fact that the neuropathology in these disorders tends to concentrate in limbic brain regions – the medial temporal and orbital prefrontal lobes – that are involved in central processing of olfaction, emotion, memory, and behavior. An important clinical implication is that odor stimuli are well-suited to probe the structural and functional integrity of the human limbic system, opening up potential new avenues for monitoring disease onset and progression in a variety of neurobehavioral and neuropsychiatric disorders.

This new NIH-funded research project promises to shed new light on the basic neurobiology of the human sense of smell, which is currently not well understood. Through a cross-departmental Feinberg collaboration with Stephan Schuele, MD, MPH, director of the Comprehensive Epilepsy Center at Northwestern Memorial Hospital (NMH), and Joshua Rosenow, MD, director of functional neurosurgery at NMH, we have a unique new opportunity to measure odor-evoked electrical activity directly from the human brain, and Continued on pg. 7
specifically in limbic brain areas that overlap with the olfactory system.

These recordings can be obtained using intracranial EEG techniques, in which electrodes are placed directly on the exposed surface of the brain in epilepsy patients undergoing pre-surgical evaluation for medically refractory seizures. During EEG monitoring subjects are presented with different odors and are asked to perform different olfactory behavioral tasks, providing a way to correlate perceptual performance with odor-related EEG changes in spatial amplitude and temporal frequency.

Findings from this research project will be instrumental in confirming, or refuting, long-accepted scientific dogma about the neurobiological organization of the human olfactory system. A more valid scientific framework, based on direct electrophysiological recordings from the human brain, would have a lasting impact on the science of the human sense of smell, and may generate more ecologically pertinent models and hypotheses for basic research and for clinical translational testing in patient populations. In addition, to the extent that olfactory auras represent a common premonitory sign of impending seizure, a more thorough understanding of this perceptual phenomenon may lend itself to an enhanced ability to predict seizure onset, a translational research area of increasing interest.

Welcome New Faculty

**Lihui Zhao, PhD**, joins as assistant professor in preventive medicine.

He recently completed a postdoctoral research fellowship in the Department of Biostatistics at Harvard University, where he also worked as a statistician in the Center for Biostatistics in AIDS Research. Prior, Zhao received his doctoral degree in statistics from Simon Fraser University in Canada, where he also completed a graduate fellowship and served as a research assistant in the Department of Statistics and Actuarial Science. He earned his bachelor's degree in mathematics and master's degree in probability and statistics from Nankai University in China.

Zhao's research interests include survival and event history analysis, longitudinal data analysis, design and analysis of clinical trials, and personalized medicine. His current work has focused on methodology development to integrate information about patients' baseline characteristics to individualize treatment choice.

**Stacy Cooper Bailey, PhD, MPH**, joins as assistant professor of medicine and associate director of Northwestern University Health Literacy and Learning Program (HeLP) within the Division of Internal Medicine.

Bailey recently received her doctoral degree in public health sciences from the University of Illinois at Chicago. While completing her degree, she served as a clinical associate at Feinberg in the Division of Internal Medicine in Department of Medicine. She received her master’s degree in public health from the University of North Carolina at Chapel Hill and her bachelor’s degree at Duke University.

Her research interests are in health literacy, language access, and prescription medication understanding and use.

NIH News

The Department of Health and Human Services (HHS), including the NIH, is operating under a Continuing Resolution (CR) signed by President Obama on November 19.

The CR continues government operations through December 16 at the FY11 level minus 1.5 percent.

NIH posted a notice stating, “Until FY12 appropriations are enacted, NIH will issue non-competing research grant awards at a level below that indicated on the most recent Notice of Award (generally up to 90 percent of the previously committed level). This is consistent with our practice during the CRs of FY06-11. Upward adjustments to awarded levels will be considered after our FY12 appropriations are enacted but NIH expects institutions to monitor their expenditures carefully during this period.”

More NIH News of interest to the Feinberg research community is available online.
New Mandatory System for Proposal Development Rolls Out to Feinberg

Project Café and the Office for Sponsored Research are finalizing preparations for rolling out InfoEd Proposal Development (PD) to the Chicago campus. PD provides investigators and administrators with an online portal for preparing, submitting, and tracking grant applications. The software streamlines the administrative effort involved in preparing proposals and offers new functionality for managing research grants. On April 1, 2012, the system will become mandatory for Northwestern University Feinberg School of Medicine.

Any grant which can be submitted through Grants.gov can be developed, routed, and submitted directly to the sponsor through InfoEd. For non-Grants.gov sponsors, InfoEd PD will replace current paper and eProposal routing, consolidating the way Feinberg does business.

Key features of InfoEd PD include:

**Greater Data Accuracy**
- Use a single source online hub for collaborative application preparation that allows principal investigators and research administrators to view and contribute to the same grant application from work or at home on either Macs or PCs.
- Load standard institution-specific details (e.g., DUNS Numbers, Certification Numbers, F&A rates) into new proposals upon creation, reducing effort and improving data quality.
- Automatically check proposals for completeness before submission. Missing items are highlighted, providing the user immediate feedback and the opportunity to instantly address the issue.

**Improved Budget Functions**
- Auto-calculate F&A based on selected rate and base types or manually adjust to accommodate non-standard sponsor requirements.
- Produce modular budgets quickly and easily from detailed budgets.
- Easily inflate direct costs by budget period.

**Enhanced Grant Submission Transparency**
- PD’s centralized attachment utility for supporting materials (e.g., research plans, study protocols, biosketches, etc.) allows users to remove and update previously submitted documents.
- Electronic routing and approval mechanism for departmental reviews allows for real-time updates of who has approved or is reviewing the submitted grant proposal.

Training and support will be available starting in January for the Feinberg community.

From January 3 to 13, Feinberg investigators and administrators will have opportunities to attend a two-and-one-half-hour hands-on class that demonstrates the process of preparing a proposal in InfoEd PD. A half-hour class on routing and approval is also available. Registration is now open online.

From January 16 to February 6, a three-hour open lab will be available in the Project Café Training room in Tarry I730. Those creating proposals for the February deadline can stop in and work on their proposal with dedicated assistance from the implementation team.

More information about PD is available online, including a list of Feinberg contacts. General questions can be directed to the Project Café team at projectcafe@northwestern.edu.

Core Fact

Are you aware that Northwestern has a new program for managing Core facilities, including ordering?

This program, named NUcore, also gives you direct access to your activity, charges, and accounts. Look for NUcore at your favorite facility, now or in the coming months.

More information can be found on the Core Program web site or by contacting Jeff Weiss.
Research in the News

Chicago Tribune November 23
Helping Your Heart Can Help Ward Off Cancers, Northwestern Professor Says
Dr. Laura Rasmussen-Torvik’s research was featured.

Dr. Rasmussen-Torvik’s research was also featured in US News & World Report.

The Atlantic November 22
More Butter for Your Bread?
Dr. Mark Huffman was quoted.

Dr. Huffman’s research was also featured on National Public Radio, Chicago Tonight and in the National Journal.

The Wall Street Journal November 17
Kids’ Heart Health Is Faulted
Dr. Donald Lloyd-Jones’s research was featured.

Dr. Lloyd-Jones’ research was also featured on WBBM-TV Chicago and in Shape Magazine.

Chicago Tribune November 16
Study Looks at Effects of Testosterone Loss
Dr. Mark Molitch’s study was referenced.

American Medical News November 14
When the Office Visit is a Family Matter
Dr. Lee Lindquist was quoted.

US News & World Report November 13
Too Few Doctors Screen Young Athletes for Hidden Heart Trouble
Dr. Clyde Yancy was quoted.

The Wall Street Journal November 8
Warm-Up Program Can Prevent ACL Injuries
Dr. Cynthia LaBella’s research was featured.

Dr. LaBella’s research was also featured in Reuters and Chicago Tribune.

High Impact Factor Research October 2011


Help Feinberg Track Journals

The Feinberg Research Office regularly tracks research published by Feinberg investigators. The citations are used on web pages, in newsletters and social media, for internal reporting, and more. To more accurately track these journals, the Research Office asks that Feinberg investigators use the following institution name in the address field when publishing in peer-reviewed journals: “Northwestern University Feinberg School of Medicine, Chicago, Illinois.”
Funding Opportunities

New funding opportunity: CBITS is offering a $20,000 pilot grant for Northwestern investigators. More information is available. The deadline is January 10.

Biomedical Technology Research Center (P41)
More information
Sponsors: United States Department of Health and Human Services (HHS), National Institutes of Health (NIH), National Center for Research Resources (NCRR)
Submission Deadline: January 25, 2012
Upper Amount: $3.5 million

Synopsis: This announcement encourages grant applications for national Biomedical Technology Research Centers. These centers conduct research and development on new technologies and new and improved instruments driven by the needs of basic, translational, and clinical researchers. The centers are charged to make their technologies available, to train members of the research community in the use of the technologies, and to disseminate these technologies and the center’s experimental results broadly. New applicants are strongly encouraged to submit a pre-application in response to PAR-10-224. The pre-application process provides feedback regarding appropriateness for this program and competitiveness of a potential application.

NCI Mentored Clinical Scientist Research Career Development Award to Promote Diversity (K08)
More information
Sponsor: United States Department of Health and Human Services (HHS), National Institutes of Health (NIH), National Cancer Institute (NCI)
Submission Deadline: February 12, 2012
Upper Amount: $650,000

Synopsis: The primary purpose of the NCI Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the nation. This program represents the continuation of a long-standing NIH program that provides support and protected time to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. This NCI-sponsored K08 award is specifically designed to promote career development of racially and ethnically diverse individuals who are underrepresented in health-related science and for those who are committed to a career in cancer health disparities, biomedical, behavioral, or translational cancer research.

View more funding opportunities

Featured Events

12/12 Pathology Seminar Series
“Recognizing tumor cells as pathogens: Beta-glucan-mediated tumor immunotherapy,” presented by Jun Yan, PhD, University of Louisville
Date: Monday, December 12, Noon to 1 p.m.
Location: Ward Building - Room 3-015
303 E. Superior St. (Chicago campus)
Contact: i-galace@northwestern.edu
More information

12/15 Lurie Cancer Center Tumor Cell Biology Seminar
“TGF-beta signaling in prostate cancer progression,” presented by Natasha Kyprianou, PhD, University of Kentucky College of Medicine
Date: Thursday, December 15, 1 to 2 p.m.
Location: Lurie Medical Research Center – Baldwin 303 E. Superior St. (Chicago campus)
Contact: cancer@northwestern.edu
More information

12/15 Endocrinology Seminar
“Cross-cultural variation in reproductive aging and symptoms at midlife,” presented by Lynnette Leidy Sievert, PhD, University of Massachusetts Amherst
Date: Thursday, December 15, 4 to 5 p.m.
Location: Lurie Medical Research Center – Baldwin 303 E. Superior St. (Chicago campus)
Contact: p-yim@northwestern.edu
More information

1/13 Physiology Seminar
Presented by Celeste Napier, PhD, Rush University
Date: Friday, January 13, Noon to 1 p.m.
Location: Ward Building – Room 5-230
303 E. Chicago Ave. (Chicago campus)
Contact: kirsten-byers@northwestern.edu
More information

More events
Event organizers are encouraged to submit calendar items on Plan-It Purple for consideration. Please contact the Research Office with further questions.