

UNIVERSITY OF  
ILLINOIS, CHICAGO

DEPARTMENT OF  
BIOLOGICAL  
SCIENCES (MC 066),  
845 WEST TAYLOR  
STREET,  
CHICAGO, IL 60607

# Biological Sciences Newsletter

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Volume 2, Issue 2

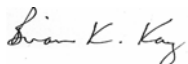
Spring 2008

## The Boss' Corner

Hello Everyone,

The past few months have been eventful in the Department of Biological Sciences. For instance, several faculty have been in the news lately: Associate Professor David Featherstone, Associate Professor Thomas Park, and Visiting Research Assistant Professor Oliver Pergams reported: on mutations that change courtship behavior of male fruit flies; that naked mole rats are bothered by the burn of acid and chilies; and, the decline of public interest in visiting public parks correlates with the rise of video game popularity, respectively. You may have heard or seen of some of these research findings featured on, or in NPR, NBC, National Geographic, and Nature. Then the heat was lost (on a bitter cold January day) in the Molecular Biology Research Building (MBRB), where 13 faculty have labs and offices on the west side. In addition to the lack of heat, "green water" rained from frozen pipes in the ceiling. It has taken two weeks for the fourth floor of MBRB to return to normal. Oh well. I hope you have a nice, warm, and dry Spring.

Sincerely yours,



Brian Kay, Ph.D.  
Professor & Head



## Faculty Spotlight: Dr. Simon Alford

I came to UIC in 1999 after spending 6 years at Northwestern University as an assistant professor. UIC has proved to be a wonderful academic home ever since. It has been an exciting time, with graduate students from all over the world, even the US. I received my B.Sc. (we add a 'c' in English to make sure of the spelling) in the Department of Zoology at the University of Bristol, England. I then went on to do a Ph.D. at St George's Hospital Medical School, University of London, where I discovered the delightful lamprey as a model neurobiological system, one that we use today because it provides a unique experimental access to the presynaptic terminal. As odd as it seems, this is actually a much-used system for the study of the vertebrate nervous system. In fact, before he hopelessly lost his way, Sigmund Freud worked on the neuroanatomy of the lamprey. So you can be sure that lampreys are well-adjusted. During my Ph.D., I was lucky enough to travel the world to do Science. I worked first in Stockholm at the Karolinska Institutet, then London, went on to Woods Hole in Massachusetts as a Grass Foundation Fellow, then UC Davis in California. Having a serious travel bug I later worked as a postdoc in Stockholm, in Bristol and in Birmingham, England before moving to Montréal while managing to intermingle some freelance research in California.

Here in the department I split my time between torturing undergraduates with a physiology course Homeostasis (BIOS240) – that Lon Kaufman, Miquel Gonzalez Meler and I envisaged as a vehicle to explain the interconnectedness of the mechanisms of life in 2001 – helping to run UICs integrated neuroscience graduate program, teaching two different graduate neurobiology courses (BIOS586 and NEUS501) and the day-to-day running of my laboratory and the study of synaptic plasticity.

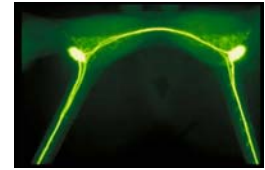
## Career Spotlight: Neurobiologist

Neurobiologists commonly study animals that have exaggerated or specialized sensory, motor or behavioral capacities in order to learn about some aspect of neural function common to all complex animals including rats and humans. Information from such analyses lets neurobiologists compare neural mechanisms used by quite different animals to determine how they meet similar behavioral challenges such as locomotion, predation, feeding, reproduction, defense, aggression and escape.

What a neurobiologist studies may range from the investigation of sensory, neural and motor function in the context of whole animal behavior to the analysis of behaviorally significant activities of single nerve cells and small neural networks, including developmental aspects of both.

Neurobiology offers the opportunity of understanding how the nervous system generates behavior and how differences in nervous system organization and function impact the repertoire of behaviors that an animal needs to succeed in its natural environment. What could be more exciting than contributing to the ultimate goal of neurobiology - a physicochemical description of mental activity (the mind)?

Neurobiologists are important to society, because they study neural functions in non-traditional animals, which oftentimes provide information that is unattainable from investigations of more traditional experimental preparations. For example, since the leech and many molluscan and arthropod nervous systems have relatively few, large neurons, their function can be studied at the level of specific nerve cells, which is not possible in mammalian nervous systems that are much larger and contain billions of cells. Such studies have provided essential information for understanding mammalian neural function, and have thus provided a foundation for research specifically directed at finding remedies for neurological disorders.



Pictured above are left and right buccal neurons B4 injected with the fluorescent dye, Lucifer Yellow, in the snail, *Helisoma trivolvis*. Electrical impulses in these neurons trigger the secretion of saliva. Photo courtesy of Dr. Don Murphy, for more information on what the Murphy lab investigates, check out the [Murphy Lab](#) website.

Page, Charles H. *Neurobiology*. Online. Internet. 01/07/2008. < <http://www.sicb.org/careers/neuro.php3>>.

## Notes from Neuroscience

There is a growing need to train students in neuroscience at the undergraduate level. The recently formed Bachelors in Neuroscience degree at UIC, has now graduated 21 students since Spring 2006, and currently has 30 majors with more interest each semester. A Bachelors degree in Neuroscience provides the background for future graduate study and/or the study of medicine. The UIC major is a joint effort of the Departments of Biological Sciences, Psychology and Philosophy.

Dr. Stephen Kelso is available to assist students who wish to inquire about or declare the major. Please contact Dr. Kelso ([skelso@uic.edu](mailto:skelso@uic.edu)) to set up an appointment to review your credits and to plan your path to graduation with a degree in Neuroscience. For additional information on the curriculum, the faculty involved and information about other associated events, please visit the Neuroscience website at [www.uic.edu/las/LIN](http://www.uic.edu/las/LIN).

## WISE: Women in Science and Engineering

The UIC Women In Science & Engineering program (WISE) is an academic support program for all UIC women students studying a science, technology, engineering, and math field. The mission of WISE is to recruit, retain, and advance women in STEM fields. WISE works to accomplish this goal with workshops, seminars, travel grants, and scholarships.

This semester WISE is sponsoring a stress management workshop and scholarship information session. A seminar on public policy is being planned where students who attended the PLEN Women in Science/Technology Conference in Washington, DC will speak about the careers paths they discovered are open to people with solid science backgrounds. The WISE End of the Year celebration will happen on April 10th at 6 pm in SCE 605. An RSVP to [wisueic@uic.edu](mailto:wisueic@uic.edu) is required.

Please visit our new website at [www.uicwise.org](http://www.uicwise.org) and click on News to find our events calendar.

## Alumni Spotlight: Sandra Gibbons

I came to UIC in 1984 majoring in biology. As an undergraduate I began working in the lab of Dr. Howard E. Buhse, Jr. I completed my B.S. in biology in 1988 and completed my M.S. in biology in 1992 with Dr. Buhse. My thesis was entitled Purification of Some Components of Stomatin an Inducer of Transformation in *Tetrahymena vorax*.

It was during graduate school that I discovered the career path which I wanted to pursue: teaching. My first teaching assistant position was a section of vertebrate embryology. I remember being scared to death. My fear quickly dissipated; I found teaching exhilarating and was hooked. In addition to finding my career path I also found my future husband while in graduate school. I am married to Jack Gibbons the electron microscopist for the biology department. We have two children, Tom and Leah.

I am currently a Professor of Biology at Moraine Valley Community College where I have been teaching since 1993. I teach General Biology I and II, as well as Introductory Microbiology. In 2004 I returned to UIC as a Lecturer to teach BIOS 350, General Microbiology. It is very rewarding personally and professionally to be a returning alumnus and teach at UIC. I have found the students at UIC to be bright, curious, and to enjoy the learning process. In 2006 I was awarded the [Silver Circle](#) for teaching at UIC. In 2006 I also completed a second Masters degree in education specializing in online teaching. I am an Innovator of the Year Award Winner, May 2007, for my work with the MVLA Committee. The Moraine Valley Learning Academy designs profession growth courses for faculty. From my educational experiences at UIC I was able to have a challenging and rewarding career teaching biology.



## Undergraduate Advisors Corner

- FYI: You do not need to make an appointment if you want to declare or change your Major to Biological Sciences or Biochemistry. Just stop by, it only take a couple of minutes to complete.
- If you have a quick question, you might want to stop by for Walk-In Advising (Tuesdays). If, however, you want an advisor to go over what courses you still have left to take and do a degree audit with you, you must make an appointment.
- Before you register for a course, crack open that Undergraduate Course Catalog and check what the pre-requisites are for that course. If you have not yet taken the pre-requisite courses, then do NOT register for the course.
- Graduating and not sure what to do with your Biology, Biochemistry or Neuroscience major? Then you might considering registering for BIOS 196: [Biology Colloquium](#)., see page 6 for more information on the Biology Colloquium (BCQ).

Jason Cashmore  
(3266 SES)  
Tricia Stark  
(3276 SES)

Monday, Wednesday,  
Thursday, and Friday  
9:30-12p  
1p-3:30p  
Call 312-996-2211 to  
make an  
appointment

## Summer Internships----Internships----the way to your future!!!!!!

It is important to start early when looking for summer internships within the science field. Most companies have deadlines ranging from January 30th to March 1st. For Bio majors, you should have some idea as to what you are interested in, and then begin researching companies that are producing or focusing on your area of interest. In many cases, you may want to start off in some type of lab setting and proceed from there. Start looking at various industries, i.e.: food, paint, hair/face (cosmetic), pharmacy, recycling; then research those companies that you have an interest in. Most companies have their intern positions online and you can apply there as well. Don't forget to go to the [UIC Intern/Part-Time Job Fair](#) on the 14th of February and talk to your professors for leads.

The following are some companies you may want to look into:

- |                                  |                 |
|----------------------------------|-----------------|
| ⇒ Fuchs Lubricants               | ⇒ Helene Curtis |
| ⇒ Avon                           | ⇒ Pharmacia     |
| ⇒ Gabriel Environmental Services | ⇒ Baxter Labs   |
| ⇒ Gabriel Laboratories           | ⇒ Unilever      |

For more information on Cooperative Education and Intern opportunities, contact:: Sharon Heslop, Director

[LAS Co-Op Education/Internship Program](#)

350 University Hall

312-996-0425

[lascoop@uic.edu](mailto:lascoop@uic.edu)

## MAKE A GIFT TO BIOLOGY

We are committed on developing support for our Biology students. We have a number of scholarships to fund students and their research. We are focused on increasing the scholarship opportunities provided to them, and enhancing the classroom experience by acquiring up to date technology for our laboratories. Making a gift is easy and tax-deductible, and it has an immediate impact on the experience on Biology students.



To make a gift, simply write a check payable to

The University of Illinois at Chicago

In the Memo section write :  
Unrestricted Biology

### Alumni News

View the newsletter on-line at:

<http://www.uic.edu/depts/bios/newsletter.shtml>



### Keep In Touch Alumni Questionnaire

Please send me more information on:

- |   |  |
|---|--|
| <input type="checkbox"/> Contributing to an article to the newsletter | <input type="checkbox"/> Upcoming Seminars       |
| <input type="checkbox"/> Departmental needs for private support       | <input type="checkbox"/> Volunteer opportunities |
|   | <input type="checkbox"/> Other please specify:   |

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Name

Address

Email Address

Phone

Cut along the dotted line and please mail to: Tricia Stark, Dept. of Biological Sciences (M/C 066), 845 West Taylor Street, 3276 SES, Chicago, Illinois 60607-7060,  
-or-  
email us the information at [tricia@uic.edu](mailto:tricia@uic.edu) so we can stay in touch with you!

The Liberal Arts and Sciences Alumni Association is looking for alumni & friends like you!



LASAA Board with Dean Christopher Comer at the 2006 LAS Scholarship Dinner

We are a diverse group of alumni volunteers donating our time to enhance the UIC experience in the College of Liberal Arts and Sciences.



LAS students learn about Careers in Law from LAS alumni at this LASAA-sponsored event

There's a place for you in the LASAA!

To get more information and to get connected: [lasaa@uic.edu](mailto:lasaa@uic.edu) or call 312 412 3281 <http://connect.las.uic.edu>



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## Faculty News

Dr. Miquel Gonzalez-Meler and his laboratory have studied the response of invasive plants to global change and found that plants exhibit metabolic flexibility in response to climate change. His research has been published in the September issue of [Plant Physiology](#).

Research by Dr. Oliver Pergams, Visiting Research Assistant Professor, on the fast change in genetic makeup and morphology of a field mouse common to the Volo Bog state natural area in the northwest suburbs has been published in the January issue of the journal [Molecular Ecology](#) and by [United Press International](#). In addition, research by Dr. Pergams and Patricia Zaradic, that examines the correlation between a reduction of outdoor and nature-related activities and a rise in more sedentary video and computer-oriented activities, has received attention from several news outlets, including [Reuters](#) and the [Associated Press](#). Their research will appear in the [Proceedings of the National Academy of Sciences](#).

Dr. David Featherstone has been getting a lot of attention in the popular press recently as a result of his research published in the January issue of [Nature Neuroscience](#). Although the popular press refers to it as the discovery of the “gay gene,” Dr. Featherstone thinks the work is more accurately described as “a genetic and biochemical mechanism by which homosexual behavior is selectively suppressed in male fruit flies.” Dr. Featherstone’s research has been seen publicized by: [Science](#), [Nature](#), [The New York Times](#), [The Los Angeles Times](#), The Chicago Sun-Times, [The Times of London](#), CBC Radio I program “As It Happens,” [Fox News](#), NBC’s January 7th episode (Chapter 2, Headlines) of “[The Tonight Show with Jay Leno](#),” National Public Radio’s comedy quiz show “[Wait, Wait, Don't Tell Me](#),” UIC’s [Chicago Flame](#), and numerous other places.

Research led by Dr. Thomas Park, about the unique and unusual lack of pain in response to stimuli shown in naked mole-rats has been highlighted in the journal [Nature](#), in addition to [National Geographic](#), [Scientific American](#), and [UIC News](#).

The following professors won awards during the 2006-2007 Academic Year:

- Dr. Peter Okkema was granted an award from the National Institutes of Health.
- Dr. Brian Kay was granted a sub award from the National Institutes of Health and the US Air Force Surgeon General.
- Dr. Teresa Orenic received an award from the National Science Foundation.
- Dr. Joel Brown and Dr. Som Ale were granted an award from the Snow Leopard Conservancy.
- Dr. Chris Whelan and Dr. Miguel Gonzalez-Meler were granted an award from the National Fish and Wildlife Foundation
- Dr. Kate Warpeha and Dr. Lon Kaufman received a contract from Colorado State University.
- Dr. Qun-Tian Wang received a grant from the Leukemia Research Foundation and a WISEST sub award.
- Dr. Jennifer Long was granted an award from the US Department of Agriculture.

- ⇒ Are you interested in working alongside a faculty member on your own research?
- ⇒ Are you interested in working in a lab for credit?
- ⇒ Want to earn lab and research experience for graduate school, medical school, or other post-baccalaureate education?

Then you should consider registering for **BIOS 399: Independent Research**. For more information on pre-requisites, student responsibilities, and how to find a research instructor, visit [http://www.uic.edu/depts/bios/courses/bio\\_courses.shtml#399](http://www.uic.edu/depts/bios/courses/bio_courses.shtml#399)



“The nervous system of the naked mole-rat has several unique adaptations that allow the animals to survive in crowded underground burrows where oxygen is scarce and CO2 is dangerously high. Studying these adaptations is important for understanding how the environment shapes the evolution of nervous systems.”

Courtesy of [Dr. Thomas Park](#).

Is there a someone you feel should be recognized for making a positive impact on your education?

You can nominate a faculty or staff member. Visit the [WOW Award](#) website to learn how.

WOW Awards can be given each month. If you have questions about this award or the selection process, please contact the Selection Committee, c/o the University of Illinois Alumni Association, at 312/996-8535 or [wowaward@uic.edu](mailto:wowaward@uic.edu)



**“Research is what I'm doing when I don't know what I'm doing.”**

**Wernher Von Braun**

## Student News

- The Biology Colloquium won the UIC College Bowl held on October 24th. Congratulations! For more info on the Biology Colloquium, see below.
- John Wilk, a graduate student in Dr. Mary Ashley's lab, was selected to receive the Provost's Award for Graduate Research for his project, "Using ecophenotypic responses in Baja California *Isognomon Solander 1786* (Bivalvia: Isognomonidae) to expose evolutionary processes". The award is intended to recognize outstanding researchers among UIC graduate students, to enhance the quality of their research, and to assist in progress toward completion of their advanced degree. John was also interviewed for a January 14th issue of UIC's [Chicago Flame](#).
- Paul Velazco, a graduate student in Dr. Henry Howe's lab, was awarded the Albert R. and Alma Shadle Fellowship in Mammalogy.



Proudly displaying their domination of points after their big win at the UIC College Bowl are BCQ celebrants: (left to right): Robert Malchow, Billy Michael, Katie Knapawan, Anisha Jacob, Natasha Novokovsky, and Michael Yabes.

## Curriculum News

Summer semester has changed! In case you haven't heard, summer semester at UIC now has a 4-week session and an 8-week session. The Biological Sciences department will be offering courses in both sessions. For more information, visit: [www.summer.uic.edu](http://www.summer.uic.edu).

## What is the Biology Colloquium?



I have been part of UIC's Biology Colloquium (BCQ) program (BIOS 196) for the past four years. As a student leader and coordinator, I realized how important BCQ is in shaping the mindsets of many college students. This class is an amazing opportunity to have fun while really figuring out what your passion is. As a student, I heard lectures which opened my mind to many interesting and fulfilling career paths that I had never even heard of. I learned if you can get someone to pay you to do what you love, that is success. The week-long field trip at the end of spring semester brings a plethora of ad-

ventures such as hiking, mountain climbing, canoeing, and more. BCQ leaders have also participated in the college-wide event, "College Bowl," which is an academic trivia game where teams compete against each other for prizes. The "BCQ Commandos" fought all the way through and ended up winning first place in Fall 2008. The Colloquium is not just an organization, it's a family, and I am extremely proud and privileged to have been a part of it for this long.

Anisha Jacob  
Student Coordinator (Wednesday)

Interested in the Biology Colloquium? Want to know more? Check out the BCQ website at: <http://www.uic.edu/depts/bios/bcq/index.htm>

As a student-run class for individuals interested in biology, BCQ provides an overview of biology and the diversity of biological career opportunities, a place to meet fellow students with similar interests in a comfortable and stimulating atmosphere and a helpful resource for information concerning research opportunities and future coursework. Two faculty advisors are also on hand to assist with student communication. This is a great way to make a REAL connection with a faculty member.

### Graduate Departmental Contacts and Information

#### Director of Graduate Studies

Dr. Roberta Mason-Gamer,  
Associate Professor  
Biological Sciences  
845 W. Taylor St.  
(MC 066)  
Chicago, IL 60607  
(312) 996-4537  
(312) 413-2435  
fax  
Email:  
[robie@uic.edu](mailto:robie@uic.edu)

#### Graduate Office:

Admissions:  
Margaret Kleist,  
3250 SES  
(312) 996-2931  
Email:  
[kleist@uic.edu](mailto:kleist@uic.edu)

Continuing Students:  
Beth A. Brand,  
3248 SES  
(312) 996-2955  
Email:  
[bethann@uic.edu](mailto:bethann@uic.edu)

## Seminars

### Ecology and Evolution: Tuesdays at 4pm, 4289 SEL, 840 W. Taylor Street

2/12/08: Maria Miriti, Ohio State University; Integrating spatial and individual variation to population and community dynamics  
 2/19/08: Bethany Bradley, Princeton University; Impacts of land use and climate change on regional plant invasion: Cheatgrass in the western U.S.  
 2/20/08: Douglas Bruggeman, Michigan State University; Incorporating Landscape Dynamics into Tradable Credit Systems for Biodiversity  
 2/26/08: Emily Minor, University of Maryland; Landscape connectivity: for better or for worse?  
 4/8/08: John Terborgh, Duke University; Why parks are failing in the tropics  
 4/22/08: Paul Velazco; TBA

### Molecular, Cellular, and Developmental Biology: Tuesdays at 10:30am, 4300 MBRB, 900 S. Ashland Avenue

2/12/08: Bindiya Kaushal, UIC; Role of AbrB and ScoC: transition state regulators in phoPR expression  
 2/19/08: Joseph Dillard, University of Wisconsin-Madison; *Neisseria gonorrhoeae* secretes chromosomal DNA via a type IV secretion system.  
 3/4/08: Oleksii Dubrovskiy, UIC; Molecular mechanism of directional sensing in yeast  
 3/18/08: David Eddington, UIC; TBA  
 4/8/08: Katherine Warepha, UIC; TBA  
 4/22/08: Rick Morimoto, Northwestern University; TBA  
 4/29/08: Shalu Shiva; TBA  
 5/6/08: Sei-Kyoung Park; TBA

### Neurobiology: Thursdays at 10 am, 4289 SEL, 840 Taylor Street

2/13/08 (Wednesday): Guofa Liu, Northwestern University; Netrin signal transduction in axon guidance  
 2/21/08: Yingxi Lin, Harvard Medical School; Activity-dependent Regulation of Inhibitory Synapse Development  
 3/6/08: David McLean, Cornell University; Using zebrafish to reveal principles of neural circuit function

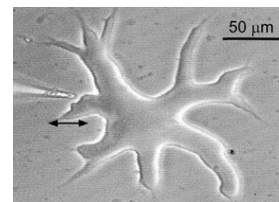
### Seminar Questions:

*Ecology & Evolution:*  
 Lynne Wiora  
[wiora@uic.edu](mailto:wiora@uic.edu)

*Molecular, Cellular, and Developmental Biology*  
 Corinna Kitcharoen  
[ckitch1@uic.edu](mailto:ckitch1@uic.edu)

*Neurobiology*  
 Bernadette Fredricks  
[bfred@uic.edu](mailto:bfred@uic.edu)

*Landscape, Ecological, and Anthropogenic Processes*  
 Mary Wais  
[mwais@uic.edu](mailto:mwais@uic.edu)



**Dr. Paul Malchow** studies neurophysiology of vision. In this image, a proton-sensitive electrode approaches an isolated skate retinal cell.

## Important Dates to Remember

February 22: Last day to add or drop a course with College approval & receive a "W."  
 March 24-28: Spring vacation. No classes.  
 March 31: Summer/Fall 2008 Registration begins.  
 April 10: Dept. of Biological Sciences Undergraduate Awards Day  
 May 2: Instruction ends.  
 May 5-9: Final Examinations.  
 May 10: Semester ends.  
 May 11: Commencement  
 May 19: Summer semester begins (4-week session)

Need help with your science class?

Then visit the [Science Learning Center](#)

201 SES  
 845 W. Taylor St.  
 Chicago, IL 60607

SLC offers tutoring  
 Monday-Friday  
 7:30am-5pm

Contributors:

Dr. Simon Alford  
Veronica Arreola  
Dr. David Featherstone  
Sandra Gibbons  
Sharon Heslup  
Dr. Brian Kay  
Dr. Stephen Kelso  
Anisha Jacob  
Dr. A. Don Murphy  
Amanda Onysio  
Dr. Thomas Park  
Beth Powers  
Tricia Stark

[http://  
www.uic.edu  
/depts/bios/  
ungradstudy.  
shtml](http://www.uic.edu/depts/bios/ungradstudy.shtml)

## Scholarships

### Upcoming Scholarship Deadlines for Biology Students

The Office of Special Scholarship Programs (OSSP) assists undergraduate and professional students in applying for nationally-competitive scholarships. In addition, we also provide information about other scholarships either at UIC or external to the university, advice on application preparation, and assistance throughout the application process. OSSP is located in 2506 University Hall. For more scholarship information, please visit our website at <http://www.uic.edu/depts/oa/ssp>.

### Scholarship Association for UIC (SAUIC) 2008 Awards

**Deadline for MOST SAUIC Scholarships:** Friday, February 15 2008

This spring, over 60 scholarships are available to currently enrolled UIC students ranging in value from \$500 to \$5,000. **Website to visit:** [www.uic.edu/orgs/scholar](http://www.uic.edu/orgs/scholar)

### Morris K. Udall Scholarship

**Deadline for UIC nomination:** February 15, 2008; **National Deadline:** March 5, 2008

**Description:** Each year, the Foundation awards undergraduate scholarships of up to \$5,000 to sophomores and juniors in fields related to the environment, and to Native American and Alaska Natives in fields related to health care or tribal policy. Visit: [www.udall.gov](http://www.udall.gov)

### Jack Kent Cooke Scholarship for Graduate School

**UIC Application deadline:** February 14, 2008; **JKC Application deadline:** March 15, 2008

**Description:** The Jack Kent Cooke Foundation Graduate Scholarship Program awards 45-50 scholarships of up to \$50,000 to college seniors or recent graduates applying in the spring to attend graduate programs the following fall. Visit: [www.jackkentcookefoundation.org](http://www.jackkentcookefoundation.org)

### National Institutes of Health (NIH) Undergraduate Scholarship

**Deadline:** February 29, 2008

**Description:** The National Institutes of Health (NIH) Undergraduate Scholarship Program (UGSP) awards up to 20 scholarships of \$20,000 per academic year in tuition, educational expenses, and reasonable living expenses to scholarship recipients. Visit: <http://www.ugsp.nih.gov>

### National Institutes of Health (NIH) Summer Internships in Biomedical Research

**Deadline:** March 1, 2008. For more info, visit: <http://www.training.nih.gov/student/sip/>

### The National Academies Christine Mirzayan Science & Technology Policy Graduate Fellowship Program

**Deadline for Summer Programs:** March 1, 2008; **Deadline for Fall Programs:** June 1, 2008

**Description:** This Graduate Fellowship Program offers several 10-week internships. Stipends range from \$4,800 to \$5,300 plus living expenses and travel expenses up to \$500.

**Website to visit:** <http://www.nationalacademies.org/gateway/pg/3365.html>

### Tylenol Scholarship

**Application cycle opens:** February 1, 2008; **Application Deadline:** May 15, 2008

**Description:** The makers of Tylenol will award (10) \$10,000 scholarships and (150) \$1,000 scholarships for higher education to students who demonstrate leadership in community activities and school activities and who intend to major/are majoring in areas that will lead to careers in health-related fields. Visit: <http://www.tylenol.com/page.jhtml?id=tylenol/news/subptyschol.inc>

### Attention Juniors: Looking Ahead to Spring Deadlines for National Scholarships

OSSP typically begins working with students interested in the national scholarships and fellowships with early fall deadlines the spring of their junior year. These scholarships require intense and focused preparation, and often need sufficient lead time in order to create a strong application. If you are interested in the following national scholarships and fellowships, please see the corresponding page on our website, and contact Beth Powers ([bpowers@uic.edu](mailto:bpowers@uic.edu)) for more information, to schedule a meeting time, and to discuss further options.

**Rhodes Scholarship** (<http://www.uic.edu/depts/oa/ssp/rhodes>)

**Marshall Scholarship** (<http://www.uic.edu/depts/oa/ssp/marshall>)

**Mitchell Scholarship** (<http://www.uic.edu/depts/oa/ssp/mitchell>)

**Gates-Cambridge Scholarship** (<http://www.uic.edu/depts/oa/ssp/gates>)

**Fulbright Fellowship** (<http://www.uic.edu/depts/oa/ssp/fulbright2.htm>)

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