

THE TIBBS TIMES

Your source for campus events, news, and information designed especially for UNC bioscience PhD students.

Welcoming the start of another academic year

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The TIBBS team would like to welcome the 88 new BBSP graduate students to UNC as well as congratulate the remaining students on completing another successful year of research. Whether you are just beginning your graduate career or find it difficult to remember how long you have actually been in graduate school, we hope the following quotes about science will provide some inspiration, motivation, or if nothing else a bit of humor.

If you have a favorite science quote, be it inspirational, humorous, or brutally accurate, you can share it with other students and postdocs as well as read your colleagues' favorite science quotes on the discussion board of [the TIBBS Facebook Page](#). Enjoy!

"The most exciting phrase to hear in science, the one that heralds new discoveries, is not 'Eureka!' but 'That's funny...!'"

Isaac Asimov—Russian-born professor of biochemistry



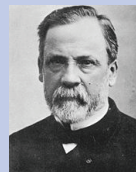
Asimov

"Genius is one percent inspiration and ninety-nine percent perspiration."

Thomas Edison—US inventor

"Chance favors the prepared mind."

Louis Pasteur—French chemist and bacteriologist.



Pasteur

"[Science is] piecemeal revelation."

Oliver Wendell Holmes—U. S. poet, essayist, physician.

"Most of the fundamental ideas of science are essentially simple, and may, as a rule, be expressed in a language comprehensible to everyone."

Albert Einstein

"You can argue with me son, but you can't argue with figures"

Foghorn Leghorn, Warner Brothers cartoon character.



Foghorn Leghorn

"Science is simply common sense at its best, that is, rigidly accurate in observation, and merciless to fallacy in logic."

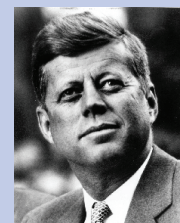
Thomas Henry Huxley—English biologist.

"If your experiment needs statistics, then you ought to have done a better experiment."

Ernest Rutherford English physicist and Nobel prize winner.

"The greater our knowledge increases, the greater our ignorance unfolds."

John Fitzgerald Kennedy



J F Kennedy

TIBBS-Sponsored Events in September

Tuesday 9/8, 12:00 - 1:00, Translational Medicine Lunch and Learn—Practical suggestions for basic scientists presenting to clinical researchers with Dr. Susan Henning, PhD.
3200 Thurston Bowles Building

Dr. Henning will speak from her personal experience as a basic scientist studying intestinal stem cells in the UNC Department of Medicine. Prior to coming to UNC she was a researcher in the Department of Pediatrics at Baylor College of Medicine. Dr. Henning is an engaging speaker, an exemplary teacher, and was recently recognized by the American Gastroenterology Association as an “Outstanding AGA Woman in Science”. Lunch will be provided to those who register.

[Click here to register.](#)

Friday 9/15, 3:30—5:00, Finding funding for graduate students in the biological and biomedical sciences

Health Science Library room 307

Susan Gramling, Director of UNC's Grant Source Library, will tailor her popular funding workshop specifically to biomedical and biological PhD candidates. She will demonstrate how to search national databases for funding opportunities based on scientific discipline, funding agency, year in graduate school, as well as by nationality, ethnicity, or gender. The workshop will be held in a computer classroom and each participant will have time to perform personalized funding searches and to set up their own funding alerts.

The class size is limited to the first 30 registrants.

[Click here to register](#)

Wednesday 9/16, 12:00 - 1:00, How to live like royalty on a graduate school stipend*
Bondurant G030

Dr. Ashalla Freeman and Dr. Patrick Brandt have over a decade of combined experience surviving on graduate school stipends. In this workshop they'll share some tried and true tips for stretching your stipend to the end of the month, keeping up with bills, and preparing for the unexpected.

Lunch will be provided to those who register.

*Living like “Royalty” should be interpreted symbolically

[Click here to register](#)

See page 3 for more TIBBS-sponsored events in September



[Spotlight on the TIBBS website](#)

The “[Resources](#)” tab on the TIBBS website contains tons of information and links about:

- funding opportunities,
- links to educational resources,
- professional skills advice
- job advice,
- grad student survival guides, and
- lots more!

TIBBS-Sponsored Events in September

Friday 9/18, 12:00, TIBBS Social—Sushi!

MBRB main floor lobby

Come on out to the MBRB lobby to enjoy some sushi and get to know your fellow graduate students better. There will be California rolls, rainbow rolls, dragon rolls, nigiri, and many others.

No registration necessary but please bring your UNC OneCard to be served.



Monday 9/21 12:00 - 1:00, Alumni Lunch with a recent UNC Pharmacology PhD student

Neuroscience Research Building 3118

Dionne Glast, a recent PhD graduate from the Department of Pharmacology, will talk about her successful hunt for postdoctoral training that landed her a fellowship in the Campbell University/Novella Fellowship Program. The Campbell/Novella clinical research fellowship emphasizes clinical as well as research training required to take a leadership position as faculty in academia or in the clinical research pharmaceutical industry. Dionne can answer your questions about the fellowship, surviving her



dissertation defense, or just give you assurance that there are opportunities beyond graduate school. Lunch will be provided to those who register.

[Click here to register](#)

Science Communication Podcasts available for free from NAS

In June, 2009 the National Academies of Science Office of Communications held the third annual [Communications Fair](#) for National Academies staff and scientists.

The National Academies are now offering podcasts of the sessions [at their website](#) on topics such as:

- Communicating Science to Diverse Audiences
- Information and Misinformation at the Speed of Light
- Science and Hollywood: Education Through Entertainment

Go to <http://www.nap.edu/commfair.html> to access the podcasts.

Wednesday 9/30 3:30—5:00 How to write a winning NSF Graduate Research Fellowship proposal.

Location to be announced

The NSF GRFP is one of the most prestigious individual predoctoral fellowships awarded by the US government. In this workshop you will learn from actual NSF reviewers what they look for in a winning proposal. To help you write your proposal you will receive a grant writing handbook and a CD with funded and non-funded NSF grants from UNC students.



For more info go on the NSF GRFP go [here](#)

[Click here to register.](#)

Volunteers needed for Chapel Hill Science Olympiad

We received the following request for volunteers to serve as science mentors for a local middle school participating in the Science Olympiad.

My name is Chris Moorman. My husband Ed Holub and I coach the Science Olympiad team at Phillips Middle School in Chapel Hill. Science Olympiad is a like a science track meet with 23 events in which teams of two students compete. Some of these events involve building knowledge, and some events involve building things, such as rockets, bridges, catapults, or a new cookie recipe. A description of all events can be found at [here](#).



Our problem is that we are not scientists. I am a business school professor and my husband is a businessman. However, we are committed to motivating the next generation of scientists through programs like Science Olympiad! To make our program work, we need to recruit scientists and/or science students to coach the 23 two-person event teams.

We are writing to ask if you might volunteer to help our team. Volunteers would coach one or two of the 23 two-person teams. There are study aids and references available. The kids do most of the learning themselves, but there are times when they need help and encouragement. The students really react well to working with mentors. Aside from learning about their events, the students have an opportunity to learn about careers in science-related fields. We anticipate you would meet with the students 8 – 10 times, with a heavier concentration of meetings from February – April as the regional and state tournaments get closer.

If you can take some time to help these young scientists, please contact Chris and Ed at 919-942-1915, moorman@duke.edu, or eholub@mindspring.com. Thank you!
For more information from Chris and Ed [click here](#)

Where on Campus is That??



If you're one of the first ten PhD students to correctly identify the location of this picture on UNC campus I'll bring you a free candy bar! Email your guesses to pdb@unc.edu.

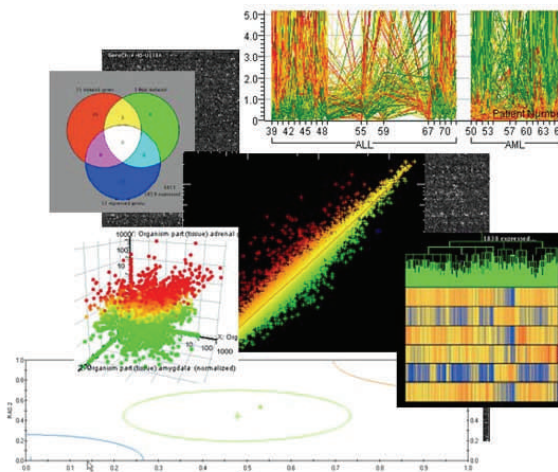
[Click here for past contest photos and a list of winners](#)

Bio-computing training resources at UNC

Whether you're an incoming graduate student trying to build your first EndNote library, a second year student learning to do BLAST searches or primer design with Vector NTI, or a more senior student struggling to wrap your brain around your first set of microarray data, there are many campus resources at your fingertips to empower you and train you in these and many other bio-computing software packages. Our thanks to **Dr. Tom Randall** of the Center for Bioinformatics for compiling the following information.

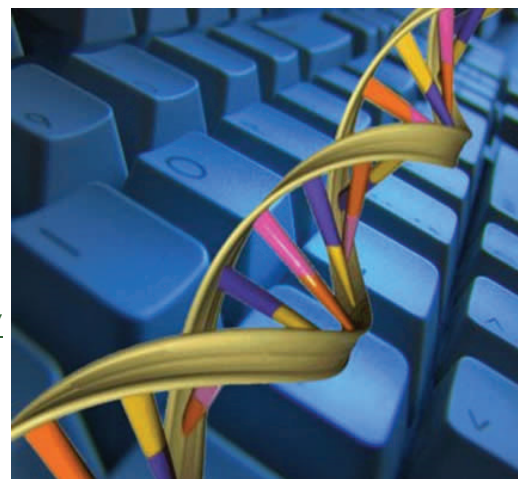
UNC Center for Bioinformatics (<http://bioinformatics.unc.edu>)

The UNC Center for Bioinformatics licenses a variety of software programs such as Vector NTI, Sequencher, Genespring and Partek (<http://bioinformatics.unc.edu/software/index.htm>) necessary for a wide range of common biological and bioinformatics research analyses which are available to all UNC Chapel Hill researchers at no cost. In support of these we also offer a variety of hands-on workshops covering the use and application of these packages, and other commonly used software applications (<http://bioinformatics.unc.edu/education/workshops.htm>). Workshops are offered regularly throughout the year at no cost. We also have considerable experience concerning non-licensed bioinformatics software packages and are available for consultation and advice on a range of bioinformatics topics. Contact tarandal@email.unc.edu for further information.



Information Technology Services(ITS, <http://its.unc.edu/Research/applications/index.htm>)

Research Computing (RC) offers workshops for UNC faculty, students, and staff on a variety of topics of interest to researchers who use computers in the course of their work. The broad topic areas include introductions to using various computing resources on campus, parallel programming, topics in general computing, using Linux, and topics on particular research applications such as Matlab. To learn more visit the RC training registration page at <http://help.unc.edu/6274> or see our training page at <http://its.unc.edu/Research/training/index.htm>.



Health Sciences Library (HSL, <http://www.hsl.unc.edu/>)

The Health Sciences Library (HSL) offers classes, web-based instructional materials and one-on-one consultations for UNC faculty, staff and students on a variety of topics of interest to researchers in health affairs. Class sessions on EndNote and RefWorks, as well a series of workshops on searching core molecular biology resources are offered on a regular basis. Additional class topics include database searching, information management and knowledge presentation.

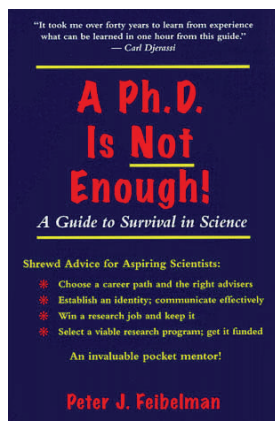
For more information about the library's instructional and consultation services, including self-paced guides and tutorials, visit the HSL classes and consultations page at <http://www.hsl.unc.edu/Services/Classes/classes.cfm>

To register for currently available classes, see the HSL class registration page at <http://www.hsl.unc.edu/Services/Classes/classregistration.cfm> You can also contact a librarian via email or chat at <http://www.hsl.unc.edu/asklib/>

TIBBS Professional Development Library Book Reviews

For a complete list of titles in the TIBBS Lending Library [click here](#). To check out a book contact Eileen Hayter at 843-8291 or by email: ehayter@email.unc.edu

A PhD Is Not Enough: A Guide To Survival In Science by Peter J. Feibelman

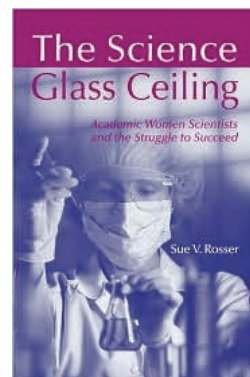


Despite your graduate education, brainpower, and technical prowess, your career in scientific research is far from assured. Permanent positions are scarce, science survival is rarely part of formal graduate training, and a good mentor is hard to find. This exceptional volume explains what stands between you and fulfilling long-term research career. Bringing the key survival skills into focus, *A Ph.D. Is Not Enough!* proposes a rational approach to establishing yourself as a scientist. It offers sound advice of selecting a thesis or postdoctoral adviser, choosing among research jobs in academia, government laboratories, and industry, preparing for an employment interview, and defining a research program. This book will help you make your oral presentations effective, your journal articles compelling, and your grant proposals successful. *A Ph.D. Is Not Enough* should be required reading for anyone on the threshold of a career in science.

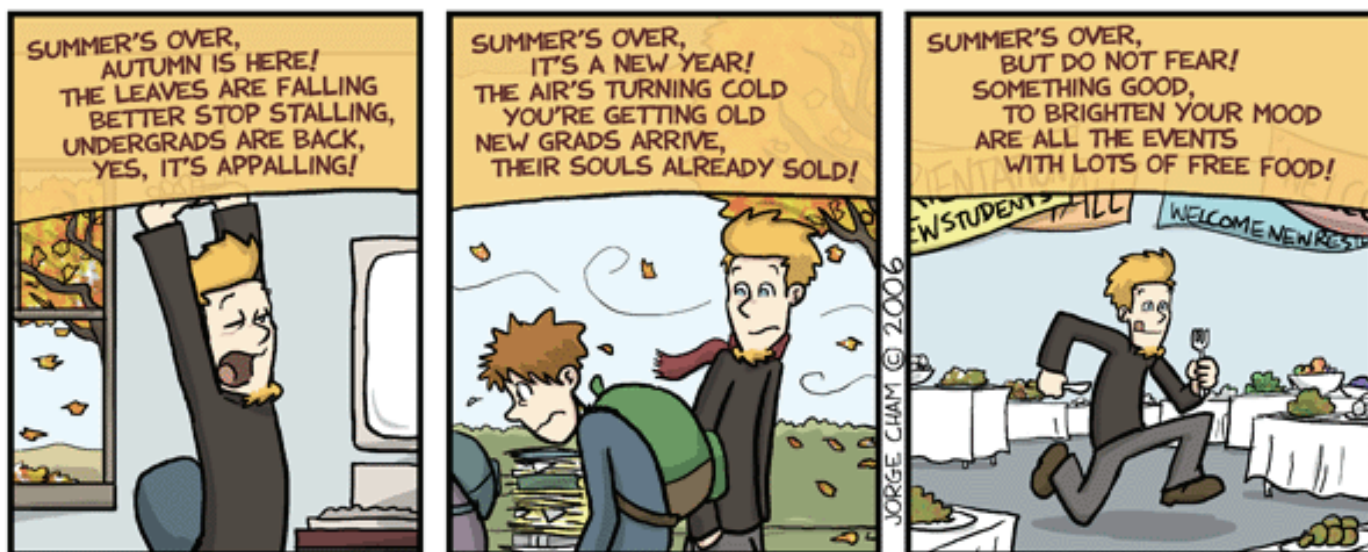
Do you have a suggestion for a future edition of the TIBBS Times? Send it to pdb@unc.edu

The Science Glass Ceiling: Academic Women Scientists and the Struggle to Succeed by Sue V. Rosser

In this book Sue Rosser chronicles the plight of women faculty across the country noting difficulties, double standards, and backlash that they routinely face. Rosser interviewed some of the country's best female scientists about their research, love of science, and routing barriers faced. As the first woman Dean at a science/technical school, Rosser offers realistic solutions from an insider's perspective.



PhD (Piled Higher and Deeper) Comic Strip by Jorge Cham, PhD



September 2009 Seminars (Page 1 of 3)

September 2nd

Intrinsic Disorder and Developmental Biology presented by A. Keith Dunker, Professor of Medical Research, Biochemistry & Molecular Biology, and Informatics, Indiana University Schools of Medicine & Informatics as part of the Biophysics Program held at 12:00 PM, in Chapman 125.

September 4th

Nanoscale Studies of Clotting Factor-Membrane Interactions presented by Dr. Jim Morrissey as part of the Thrombosis & Hemostasis Lecture Series from 11:00 – 12:00 in the Pagano Conference Room

September 8th

"Structure-function studies of DNA repair enzymes: Watching one molecule at a time" presented by Ben Van Houten, PhD as part of the Biochemistry Lecture Series from 11:00-12:00 place TBD.

Pharmacogenomics & Individualized Therapy presented by Tim Wiltshire, PhD, UNC Chapel Hill Genetic variation in mice: modeling disease, pharmacogenetics, and basic biology held at 4:00 in 1131 Bioinformatics.

"Genetic Variation in Mice: Modeling Disease, Pharmacogenetics, and Basic Biology" IPIT Seminar presented by Tim Wiltshire, PhD, Associate Professor Division of Pharmacotherapy and Experimental Therapeutics at 4:00 in 1131 Bioinformatics

September 9th

The Collaborative Cross as a Platform for Cancer Research at UNC presented by Fernando Pardo-Manuel de Villena, PhD as part of the UNC Lineberger Cancer Center Seminar Series held at 4:00 in the Pagano Conference Center.

Building a Synthetic Cell – The Synthetic Genomics Approach presented by Clyde A. Hutchinson III, Professor Emeritus of Microbiology, UNC-CH as part of the Biological Seminars held at 12:00 PM in Chapman 125.

September 11th

"Genetic Regulation of Genome Stability in Yeast" presented by Dr. Tom Petes as part of the Carolina Center for Genome Sciences Lecture Series from 12:00-1:00 in Bondurant G100.

September 14th

"Genetic Influences on Alcohol Dependence and Aspects of Personality." presented by Ian Gizer, Ph.D., Postdoctoral Fellow, UNC Department of Genetics and Bowles Center for Alcohol Studies held from 12:30-1:30 in 124 Taylor Hall.

Is your favorite seminar series missing? Email Patrick Brandt (pdb@unc.edu) to have it included next month.

September 2009 Seminars (Page 2 of 3)

September 15th

"The importance of being flexible: Unstructured domains in clathrin coat assembly" Presented by Dr. Mara Duncan as part of the Biochemistry Lecture Series from 11:00-12:00 in 1131 Bioinformatics.

"Biobanks and Strategies of Tissue Access in the U.S. and Europe" Presented by Rob Mitchell, Ph.D., Associate Professor of English, Faculty in the Institute for Genome Sciences and Policy, Duke University. 11:00am-12:00pm in the Health Sciences Library, room 527.

"Signaling Circuitry in Vascular Morphogenesis" presented by Dr. Luisa Iruela-Arispe as part of the McAllister Heart Institute from 12:00-1:00 in MBRB G202.

"The Roles of Integration and Constraint in Adaptive Evolution: a Floral Case Study" presented by [Jeffrey Conner](#) from Michigan State University as part of the Biology Seminars held at 4:00 in Coker 201.

September 16th

Detonation Diamonds: Nanoparticles for Biochemical Applications presented by Suzanne Ciftan Hens, Scientist, International Technology Center & RIVIS, Inc., Raleigh as part of the Biological Seminars held at 12:00 PM, Chapman 125.

September 18th

Endothelial tissue factor expression in the sickle mouse presented by Dr. Robert Hebbel as part of the Thrombosis & Hemostasis Program held from 11:00-12:00 in the Pagano Conference Room.

September 22nd

"Burning fat: Signaling mechanisms controlling fat cell metabolism and thermogenesis" presented by Dr. Sheila Collins as part of the Biochemistry Lecture Series from 11:00-12:00 in 1131 Bioinformatics.

Mito-Nuclear Epistasis, Thermal Selection, and Fitness: When Your Genes are Just Another Part of the Environment presented by David Rand from Brown University as part of the Biology Seminars held at 4:00 in Coker 201.

September 23rd

Clinical Relevance and Molecular Mechanisms of CXCL13/CXCR5 Interactions that Promote Prostate Cancer Cell Invasion and Growth presented by James Lillard as part of the UNC Lineberger Cancer Center Seminar Series at 4:00 in the Pagano Conference Room.

Structural Studies of Microbial Targets: Infection, Drug Resistance, and Drug Efficacy presented by Matthew Redinbo, Prof. and Chair, Dept. of Chemistry, UNC-CH as part of the Biological Seminars held at 12:00 PM in Chapman 125.

Is your favorite seminar series missing? Email Patrick Brandt (pdb@unc.edu) to have it included next month.

September 2009 Seminars (Page 3 of 3)

September 25th

Seminar presented by Dr. Jerry Ware from The University of Arkansas as part of the Thrombosis & Hemostasis Lecture Series from 11:00-12:00 in the Pagano Conference Center.

September 28th

“Can 2-Bottle Choice Still Be Used Effectively to Study Alcohol Drinking?” Presented by David Overstreet, Ph.D., UNC Department of Psychiatry and Bowles Center for Alcohol Studies. Bowles Center for Alcohol Series Special Seminar held from 12:30-1:30 in 124 Taylor Hall.

September 29th

“Rec-ing the DNA Repair Shop to Rearm Antibiotics” presented by Dr. Scott Singleton as part of the Biochemistry Lecture Series from 11:00-12:00 in 1131 Bioinformatics.

“Ecology, Color Polymorphisms and Speciation in Fish” presented by Jeffrey McKinnon from East Carolina University as part of the Biology Seminars held at 4:00 in Coker 201.

September 30th

Regulation of Protein Synthesis in Mammalian Mitochondria presented by Emine C. Koc, Assistant Professor, Biochemistry and Molecular Biology, Pennsylvania State University held at 12:00 PM in Chapman 125.

September 2009 Campus Events and Workshops (Page 1 of 6)

September 1st

Lesson Planning The process of lesson planning involves more than simply deciding what material to cover in class. In this workshop, we will discuss key elements of designing a lesson plan that will engage and involve your students. Participants are invited to bring a previous, current, or future lesson plan for discussion and analysis. Held from 12:30-1:45 in Davis Library, Room 219 also held from 3:30-4:45 in Carrington Hall, Room 208. To register: http://www.abcsignup.com/reg/event_page.aspx?ek=0052-0006-2cbda8e4eb6340e99878f531d163d211

September 2nd

IT Resources for Your Course This guided tour will help you to navigate the wide variety of campus resources available to instructors, including instructional tools for use inside and outside of the classroom, library resources, resources for creating your own course materials, and campus IT support services. Held from 12:00-1:00 in House Undergraduate Library, Room 124. To register: http://www.abcsignup.com/reg/event_page.aspx?ek=0052-0006-3188257302904815b62881c34f114fa0

Aseptic Techniques The IACUC Aseptic Techniques class is a hands-on wet lab designed to teach students how to maintain a sterile field during survival rodent surgery. This course is mandatory for all Laboratory Animal Coordinators in laboratories performing sterile rodent surgery. All UNC rodent users who will be performing sterile surgeries are encouraged to attend. Alternatively, training and certification may be provided through a certified proficient Laboratory Animal Coordinator.

Prerequisites: Research Profile, Lab Worker Form, Animal Handler Form, and IACUC/DLAM on-line orientation (http://cfx3.research.unc.edu/iacuc_reg/). Held from 10:00-12:00 in 148 Glaxo. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22101

September 3rd

Creating Effective Assignments. Assignments can create the opportunity for deep learning when students use the material covered in class to practice the processes of professional engagement in the discipline in a structured context. Students can also benefit from the feedback provided by the teacher and/or their peers when assignments are reviewed. This workshop will cover the basics of assignment development, use and evaluation that result in effective assignments. Held from 12:1:45 in Davis Library, Room 219. Also held from 3:30-4:45 in Carrington Hall, Room 208. To register: http://www.abcsignup.com/reg/event_page.aspx?ek=0052-0006-46a41581196c432a80f16023520a902d

Carolina Innovations Seminar Held from 5:30-6:30 p.m. in Sitterson Hall, Room 014. Speaker: Nobel Prize winner Dr. Oliver Smithies. Dr. Smithies has been an Excellence Professor of Pathology and Laboratory Medicine at UNC - Chapel Hill since 1988. Dr. Smithies is credited for the development of gel electrophoresis and his work in developing homologous recombination (gene targeting), which allows for the construction of animal models of complex human genetic diseases, earned him the Nobel Prize in 2007. To register: http://www.research.unc.edu/otd/carolina_innovations_seminar.php

September 8th

Translational Medicine Lunch and Learn—Practical suggestions for basic scientists presenting to clinical researchers with Dr. Susan Henning, PhD. 12:00 - 1:00 in 3200 Thurston Bowles Building

Dr. Henning will speak from her personal experience as a basic scientist studying intestinal stem cells in the UNC Department of Medicine. Prior to coming to UNC she was a researcher in the Department of Pediatrics at Baylor College of Medicine. Dr. Henning is an engaging speaker, an exemplary teacher, and was recently recognized by the American Gastroenterology Association as an "Outstanding AGA Woman in Science". Lunch will be provided to those who register. [Click here to register.](#)

September 2009 Campus Events and Workshops (Page 2 of 6)

September 8th (continued)

EndNote Held from 1:00am to 12:00pm in HSL – 329. This hands-on workshop will provide an introduction to EndNote, including how to create a library of references and use it to automatically format your bibliography. This session will cover importing references from PubMed as well as entering references manually. We will also review using the "Cite While You Write" feature to add citations to Word documents and produce bibliographies using a variety of styles. 5 seats available. To register: <http://www.hsl.unc.edu/Services/Classes/classregistration.cfm>

September 10th

Organizing Your Research Literature RefWorks is a web-based bibliographic management and formatting program available to all current UNC students, faculty, and staff. In this hands-on session, participants will create an account; learn how to build a personal database by importing references from library and other web-based systems; and learn how to format bibliographies for manuscripts and other publications. Held from 12:00-1:00 in the **Health Sciences Library, Room 307**. To register: http://www.abcsignup.com/reg/event_page.aspx?ek=0052-0006-7a32bfbcb103740a1afac038959bcadb4

September 14th

Introduction to Vector NTI This session will be an overview of the basic tools available in the Vector NTI Suite of software. The course is targeted towards those who have not used the software, or are new to it, and who are interested in using this software to support their research. The modules that make up the Vector NTI system support annotation, sequence assembly, blast searching, translation, primer design, in silico cloning, and a number of common DNA analysis tools. The graphical interface, image quality, and ease of information import and export from the Vector NTI system are very user friendly. This session will be hands on for those using a Windows version of Vector NTI although are applicable for Macintosh users. A laptop will be available for all attendees to use during the session. TIME: 2-4 PM. LOCATION: 2136 Bioinformatics. **To register find the appropriate class at the following link:** http://bioinformatics.unc.edu/cgi-bin/dev/seminars.cgi?db=default&uid=&view_records=1&ID=*&mh=10&sb=5&so=ascend

September 15th

Finding funding for graduate students in the biological and biomedical sciences 3:30–5:00 in Health Science Library room 307

Susan Gramling, Director of UNC's Grant Source Library, will tailor her popular funding workshop specifically to biomedical and biological PhD candidates. She will demonstrate how to search national databases for funding opportunities based on scientific discipline, funding agency, year in graduate school, as well as by nationality, ethnicity, or gender. The workshop will be held in a computer classroom and each participant will have time to perform personalized funding searches and to set up their own funding alerts.

The class size is limited to the first 30 registrants.

[Click here to register](#)

Introduction to Sequencher This session will be an overview of the basic tools available in Sequencher. Topics covered in this session: quality assessment of sequences, loading sequences into Sequencher, trimming sequences (vector, endtrimming, low quality ends), sequence assembly (assemble by name, assemble to reference sequence), edit contig, variance table, export the analysis result. This session will be hands on for those who use a Windows version of Sequencher although is applicable for Macintosh users. A laptop will be available for all attendees to use during the session. The session will be in Rm 2136 Bioinformatics building from 2:00-4:00 PM. **To register find the appropriate class at the following link:** http://bioinformatics.unc.edu/cgi-bin/dev/seminars.cgi?db=default&uid=&view_records=1&ID=*&mh=10&sb=5&so=ascend

September 2009 Campus Events and Workshops (Page 3 of 6)

Rat Handling and Techniques The IACUC Rat Handling and Techniques class is a hands-on wet lab designed to teach students basic techniques in rat handling. Techniques taught include restraint, simple injections, bleeding techniques, anesthesia and euthanasia. This course is mandatory for all Laboratory Animal Coordinators in laboratories working with live rats. All UNC rat handlers are welcome to attend. Alternatively, training and certification may be provided through a certified proficient Laboratory Animal Coordinator. Prerequisites: Research Profile, Lab Worker Form, Animal Handler Form, and IACUC/DLAM on-line orientation (http://cfx3.research.unc.edu/iacuc_reg/). Held from 10:00-12:00 in 148 Glaxo. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22103

September 16th

How to live like royalty on a graduate school stipend*

12:00 - 1:00 in Bondurant G030

Dr. Ashalla Freeman and Dr. Patrick Brandt have over a decade of combined experience surviving on graduate school stipends. In this workshop they'll share some tried and true tips for stretching your stipend to the end of the month, keeping up with bills, and preparing for the unexpected. Lunch will be provided to those who register.

*Living like "Royalty" should be interpreted symbolically

[Click here to register](#)

RefWorks Held from 10:00am to 11:00am in HSL - 329. What is RefWorks and How Can it Help Me? An introductory hands-on workshop on using RefWorks to store citations downloaded from a variety of sources, and to format citations and bibliographies

11 seats available. To Register: <http://www.hsl.unc.edu/Services/Classes/classregistration.cfm>

Parr Center for Ethics Lunch & Learn Open to faculty, graduate students and undergrads. In this ongoing series of workshops a small discussion group meets over lunch to explore timely ethical issues within their respective fields of interests. September's session, **Undocumented Immigrants in America: Defining Human Rights**, continues the discussion launched in the previous week's public panel discussion, examining the concept of human rights and its applicability for undocumented immigrants in the US. Led by Professor Judith Blau, Department of Sociology. Held from 12:00-1:00 in Hyde Hall, University Room. To register:

http://cfx.research.unc.edu/res_classreg/browse_multiple.cfm?New=1&event_id=22127

Graduate Funding 101 - Sciences and Health Sciences Disciplines 9am-1pm, Graduate Student Center

This half-day workshop will provide an introduction to the library's resources, strategies for conducting funding searches, effective writing strategies and insight into literature reviews. The workshop includes a lunch panel discussion with experts

Register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22118

September 17th

Creating Active Classrooms from Noon - 1:30pm in the Graduate Student Center. Co-sponsored and facilitated by the Center for Faculty Excellence. Lunch is provided. Contact Dr. Brian Rybarczyk brybar@email.unc.edu to register

Molecule Construction and Design with Vector NTI This session will cover the in silico (Molecule Construction and Design) capabilities in Vector NTI; this is applicable to those using any current version of VNTI on PCs or Macs. Prior experience with Vector NTI is essential. This will be a two hour hands-on session with a laptop provided. The session will be in Rm 2136, Bioinformatics from 2-4 PM. **To register find the appropriate class at the following link:** http://bioinformatics.unc.edu/cgi-bin/dev/seminars.cgi?db=default&uid=&view_records=1&ID=* &mh=10&sb=5&so=ascend

September 2009 Campus Events and Workshops (Page 4 of 6)

Mouse Handling and Techniques The IACUC Mouse Handling and Techniques class is a hands-on wet lab designed to teach students basic techniques in mouse handling. Techniques taught include restraint, simple injections, bleeding techniques, anesthesia and euthanasia. This course is mandatory for all Laboratory Animal Coordinators in laboratories working with live mice. All UNC mouse handlers are welcome to attend. Alternatively, training and certification may be provided through a certified proficient Laboratory Animal Coordinator. **Prerequisites:** Research Profile, Lab Worker Form, Animal Handler Form, and IACUC/DLAM on-line orientation (http://cfx3.research.unc.edu/iacuc_reg/). Held from 10:00-12:00 in 148 Glaxo. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22116

September 18th

TIBBS Monthly Social—Sushi! 12:00 MBRB main floor lobby

Come on out to the MBRB lobby to enjoy some sushi and get to know your fellow graduate students better. There will be California rolls, rainbow rolls, dragon rolls, nigiri, and many others. No registration necessary but please bring your UNC OneCard to be served.

Organizing Your Research Literature RefWorks is a web-based bibliographic management and formatting program available to all current UNC students, faculty, and staff. In this hands-on session, participants will create an account; learn how to build a personal database by importing references from library and other web-based systems; and learn how to format bibliographies for manuscripts and other publications. Held from 11:00 AM - 12:30 PM in House Undergraduate Library, Room 207. To register: http://www.abcsignup.com/reg/event_page.aspx?ek=0052-0006-f78c4db8194a40458975dc3ecadeec47

September 21st

Alumni Lunch with a recent UNC Pharmacology PhD student

12:00 - 1:00 in Neuroscience Research Building 3118

Dionne Glast, a recent PhD graduate from the Department of Pharmacology, will talk about her successful hunt for postdoctoral training that landed her a fellowship in the Campbell University/Novella Fellowship Program. The Campbell/Novella clinical research fellowship emphasizes clinical as well as research training required to take a leadership position as faculty in academia or in the clinical research pharmaceutical industry. Dionne can answer your questions about the fellowship, surviving her dissertation defense, or just give you assurance that there are opportunities beyond graduate school. Lunch will be provided to those who register.

[Click here to register](#)

September 22nd

PCR Design in Vector NTI This session will focus on the various PCR design operations available in Vector NTI (VNTI). Prior experience with VNTI is expected and necessary. The operations available for PCR design will be the main focus and examples of the most applicable types of PCR design in VNTI will be covered. Managing Oligos within the Oligo database as well as export and import of primers will also be covered. This session is applicable to all versions of VNTI currently being used but PC laptops will be used in the session. Some PCR Design options are not available on the Mac. The session will be scheduled for 2 hours. The session will be from 2-4 PM in Rm 2136, Bioinformatics. **To register find the appropriate class at the following link:** http://bioinformatics.unc.edu/cgi-bin/dev/seminars.cgi?db=default&uid=&view_records=1&ID=*&mh=10&sb=5&so=ascend

Breeder Policy Lecture This course is mandatory for all Principal Investigators and mouse handlers with breeding colonies. The one hour lecture reviews the Institutional policy concerning cage population densities, housing and breeding mice. Held from 10:00-10:45 in 148 Glaxo. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22051

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September 24th

Integrating Homework and Textbook Readings from 1:00–2:30pm in the Graduate Student Center. Co-sponsored and facilitated by the Center for Faculty Excellence. Contact Dr. Brian Rybarczyk brybar@email.unc.edu to register

ContigExpress in Vector NTI This session will focus on the ContigExpress (CE) function in VNTI. Version 10.3 will be used. Prior experience with Vector NTI is essential. We will go over how to create and manage projects in CE. The managing and editing of both individual and groups of chromatographs will be covered. The various parameters involved in the assembly algorithm will be covered. From a group of chromatographs, we will assemble and edit a DNA contig that can be moved into Vector NTI. As the function of CE is very similar to Sequencher some of the pros/cons of these tools will be discussed. The session will be scheduled for 2 hours. The session will be from 2-4 PM in Rm 2136 Bioinformatics.

To register find the appropriate class at the following link: http://bioinformatics.unc.edu/cgi-bin/dev/seminars.cgi?db=default&uid=&view_records=1&ID=*&mh=10&sb=5&so=ascend

Aseptic Techniques The IACUC Aseptic Techniques class is a hands-on wet lab designed to teach students how to maintain a sterile field during survival rodent surgery. This course is mandatory for all Laboratory Animal Coordinators in laboratories performing sterile rodent surgery. All UNC rodent users who will be performing sterile surgeries are encouraged to attend. Alternatively, training and certification may be provided through a certified proficient Laboratory Animal Coordinator.

Prerequisites: Research Profile, Lab Worker Form, Animal Handler Form, and IACUC/DLAM on-line orientation (http://cfx3.research.unc.edu/iacuc_reg/). Held from 10:00-12:00 in 148 Glaxo. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22104

International Coffee Hour 5:00-6:00pm, FedEx Global Education Center, 4th floor lounge. Social interactions for international students, scholars, faculty and staff. Registration not necessary

September 28th

VoiceThread: Multimedia Projects Made Simple With UNC VoiceThread (<http://voicethread.unc.edu>), students and instructors alike can easily create narrated slideshows from existing images, video clips, and documents and share them with a group. Members of the group can easily contribute annotations to the slideshow with text, audio, video or digital ink. In this workshop, we will explore how UNC instructors and students are currently using VoiceThread as an effective teaching tool, as well as how to create and manage VoiceThreads. Held from 12:00-1:00 in House Undergraduate Library, Room 124. To register: http://www.abcsignup.com/reg/event_page.aspx?ek=0052-0006-6D4B769A510C4224B1515D521C794AC5

September 29th

DNA and Protein Motif Analysis in Vector NTI This session will focus both on the DNA and protein motif analysis operations available in VNTI including the BLAST function. Prior experience with VNTI is expected and is absolutely necessary. How to do DNA/protein searches of the Explorer Database will be demonstrated. How to display motifs in AlignX alignments will also be covered. Managing Oligos in the Oligo database within VNTI will also be discussed as well as some graphics display focusing on the creation and manipulation of features. PC laptops will be used in the session. Some functions that will be discussed are not available on the Mac. The session will be scheduled for 2 hours. The session will be from 2-4 PM in Rm 2136 Bioinformatics.

To register find the appropriate class at the following link: http://bioinformatics.unc.edu/cgi-bin/dev/seminars.cgi?db=default&uid=&view_records=1&ID=*&mh=10&sb=5&so=ascend

September 2009 Campus Events and Workshops (Page 6 of 6)

September 30th

How to write a winning NSF Graduate Research Fellowship proposal.

3:30–5:00 Location to be announced

The NSF GRFP is one of the most prestigious individual predoctoral fellowships awarded by the US government. In this workshop you will learn from actual NSF reviewers what they look for in a winning proposal. To help you write your proposal you will receive a grant writing handbook and a CD with funded and non-funded NSF grants from UNC students.

For more info go on the NSF GRFP go [here](#)

[Click here to register.](#)

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Prerequisites: Research Profile, Lab Worker Form, Animal Handler Form, and IACUC/DLAM on-line orientation (http://cfx3.research.unc.edu/iacuc_reg/). Held from 10:00-12:00 in 148 Glaxo. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22105

October 1st

Graphic Design in Vector NTI

This session will cover the graphical manipulations of molecules available within Vector NTI. Some prior experience with Vector NTI will be assumed and will be necessary for this session. Creating and editing of molecule features will be covered as well as converting new annotations to permanent molecule features. Modifying the display of both graphics and text will be covered. We will go over creating and saving new molecule styles and the options for displaying within the sequence text. This session will be hands on for those using Vector NTI 10.3 but is applicable for Macintosh users. A laptop will be available for all attendees to use during the session. TIME: 2-4 PM. LOCATION: 2136 Bioinformatics.

To register find the appropriate class at the following link: http://bioinformatics.unc.edu/cgi-bin/dev/seminars.cgi?db=default&uid=&view_records=1&ID=*&mh=10&sb=5&so=ascend

October 3rd

2009 Meeting of the NC American Society for Microbiology

Held at NC Central University, 1800 Concord Street, Durham, NC

The day-long event will be a mixture of a dozen short talks from submitted abstracts, 2 dozen poster presentations, and invited lectures by Dr. Mark Goulian, University of Pennsylvania (Title: Two-component signaling in E. coli) and by Dr. Frank Scholle, NC State University (Title: West Nile Virus pathogenesis).

Abstract deadline - September 20th

Pre-registration deadline - September 28th

To register, submit an abstract, or for more information visit: <http://www.asm.org/branch/brnc/2009meeting/2009meeting.html>

Cost: \$10 for NC ASM members, \$10 additional membership fee for non-members - Online payments or at the door.