Deepak Gopalakrishna, PhD candidate in the Genetics Curriculum, Michael J. Hackett, PhD candidate in molecular pharmaceutics, and MBA student Tim Moriarty were awarded $15,000 for their fledging business, NovoLipid Inc., which is commercializing a drug modification technology that makes current cancer drugs safer and more effective.

The team was among eight proposed ventures that took home a total of $50,000 in prize money at the 2010 Carolina Challenge. They emerged as winners from the record field of 121 teams that signed up in January to compete. The Carolina Challenge is a student-led program of the Carolina Entrepreneurial Initiative (CEI), that helps UNC students, faculty and staff learn to transform their ideas into new ventures of all kinds.

"I think the real value of the Challenge is twofold: one, it rewards entrepreneurial ideas and supports them through the process of developing into ventures; two, it connects students and faculty who have great ideas with people who can finance them," said CEO Brent Blonkvist, a senior business administration major and art minor, who led the 15-member student organizing team.

NovoLipid team members said the Challenge helped them refine their pitch, which will be very important as the team pursues venture financing. Winning also gives them credibility and a $15,000 bank account to get started.

"Vetting the idea with entrepreneurs, lawyers and the different judges and getting their feedback helped solidify our thinking on how this needs to be presented," said Gopalakrishna.

“And we’ve got credibility now,” said Hackett. “Because we’ve been vetted through all of these entrepreneurs and venture capitalists, we carry a lot more water now. We’re not just two graduate students.”
Upcoming TIBBS-Sponsored Events

Wednesday 5/26  12:00 On the MBRB lawn
TIBBS Monthly Social—LocoPops on the Lawn
Come on out to the MBRB lawn to celebrate the arrival of Spring while getting to know your fellow graduate students AND enjoying local LocoPops. No registration necessary but please bring your OneCard to be served.

Yummy flavors include:
1. Mexican Chocolate
2. Cookies and Cream
3. Chocolate Brownie
4. Strawberries and Cream
5. Pomegranate Tangerine
6. Cherry Lime
7. Mojito
8. Mango Chile

Tuesday 6/1  6:30pm at the Carolina Club
Etiquette dinner with Industry and Academic professionals

Many industry or academic job interviews (including postdoc interviews) include a dinner out with your future colleagues and supervisors. But what some candidates don’t realize is that the interview dinner is an integral part of the interview process that can make or break your chances of getting an offer. At this event you’ll have the chance to share a meal with scientists and leaders from industry and academia, who together have hired countless new PhDs like yourself. Learn from them how to make the right impression before your job counts on it.

Selected industry participants:

Don Rose, Director of NC Biostart; Ward Petersen, VP at Inspire; Randall Marcuson, former CEO of Embrex; Vivian Doelling, Acting VP of R&D at Immune Biosciences; Christy Shaffer, former CEO at Inspire; Tom Mercolino, Founder and CEO of CertiRX; Anil Goyal, President and founder of Open Doors Group; Perry Genova, President and CEO of OncoScope

Academic participants will be announced soon.

Space is limited.  Click here to express your interest.
TIBBS Professional Development Library Book Reviews

UNC’s biomedical graduate students now have their own source of more than 60 books covering a broad range of topics from career exploration, to manuscript preparation, to academic job searching, to issues facing minority students. The new library is housed in the TIBBS/BBSP offices in the northeast corner of the 1st floor of the Bioinformatics Building.

The *Woman Scientist: Meeting the Challenges For A Successful Career* by Clarice M. Yentsch and Carl J. Sindermann

Every profession should have a guide for women as pragmatic and thorough as this one for women in the sciences. Yentsch, a career-research scientist, and Sindermann (*Winning the Games Scientists Play*) leave to others the search for root reasons why few females enter scientific fields and examine instead, in interviews and case studies, the topology of science careers (mostly academic) as experienced by women. The authors cite some familiar difficulties: the "invisible woman syndrome" and the steep-sided pool of female research assistants. But they also compile results of surveys describing various forms of gender-based differential treatment in science arenas and offer commonsense suggestions for women in the working environment. With its explicit recommendations, the book could be the basis of a policy manual at any institution.

For a complete list of books available in the TIBBS Library click here

If you’re interested in borrowing one of the books please contact Ms. Eileen Hayter (ehayter@email.unc.edu or 843-8291) to be sure the book is available.

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 you’ll get a free king size candy bar! Email your guesses to pdb@unc.edu.

Click here for past contest photos and a list of winners
May 2010 Seminars (page 1 of 3)

May 4th
DNA Replication Licensing and Cell Cycl3 Checkpoints
Presented by Dr. Jean Cook, UNC Biochemistry and Biophysics, from 11:00 a.m. to 12:00 p.m. in 1131 Bioinformatics.

Micro-scale devices to organize and probe neurons and neuronal circuits
Presented by Anne Taylor, PhD, California Institute of Technology, as part of the Biomedical Engineering Seminar. At 1:00 p.m. in 150 Macnider.

Using SILAC to Study Cell Signaling in Neurons
Presented by Thomas A. Neubert, PhD, Skirball Institute as part of the Pharmacology Seminar Series. At 4:00 p.m. in 1131 Bioinformatics.

May 5th
All About Activism: Red-Shifted Biosensors for Multiplexed Visualization of Cell Signaling Dynamics
Presented by Chia-wen Hsu, UNC Chapel Hill. At 12:00 p.m. in Chapman Hall 125.

Constructing Supramolecular Polymer Architectures and Networks for Medical Application
Presented by Hongang Cui, PhD, Northwestern University, Biomedical Engineering Seminar. At 1:00 p.m. in 150 Macnider.

May 6th
Cortical Inerneurons: Fate Determination and Potential Use in Cell Based Therapy for Epilepsy
Presented by Stewart Anderson, MD, Associate Professor, Psychiatry, Neurology, and Neuroscience, Cornell. At 12:30 p.m. in 1131 Bioinformatics.

May 7th
Metabolic engineering of recombinant phytochemicals: challenges and perspective
Presented by Dr. Mattheos Koffas, SUNy-Buffalo, as part of the Molecular Pharmaceutics Seminar. At 11:00 a.m. in G100 Bondurant Hall.

May 10th
Smoking Trends in Cancer Survivors
Presented by Dr. Deborah Mayer, UNC Chapel Hill, Nursing. At 4:00 p.m. in NC Cancer Hospital Patient Family Resource Center Conference Room.

COMMON SLEEP DISORDERS IN ACADEMIA

PhD Comics by Jorge Cham, PhD
May 11th
Nanoparticles in Biology: Engineering the Interface for Delivery and Sensing
Presented by Dr. Vince Rotello, UMass-Amherst, as part of the Molecular Pharmaceutics Seminar Series. At 9:00 a.m. in 1001 Kerr Hall.

Multiple Paths to a Single End: What Legionella pneumophila Learned from Amoebae…and What it Did Not
Presented by Ralph Isberg, PhD, Howard Hughes Medical Institute and Tufts University as part of the Microbiology and Immunology Seminar Series. At 9:30 a.m. in 1131 Bioinformatics.

Exosite-mediated Inhibition of C/oagulation Factor IXa
Presented by Dr. John Sheehan, University of Wisconsin, part of the biochemistry and biophysics seminar series. From 11:00 a.m. to 12:00 p.m. in G202 MBRB.

Polarization-Sensitive NIR Imaging and Theranostics With Gold Nanorods and Nanostars
Presented by Alex Wei, PhD, Purdue University, a C-CCNE Seminar. At 12:00 p.m. in Pleasants Room, Wilson Library.

Social Cognition and the Human Amygdala
Presented by Ralph Adolphs, PhD, Professor, Psychology, and Neuroscience, Caltech. At 12:30 p.m. in 1131 Bioinformatics.

Pharmacological Quiescence and DNA Damage
Presented by Norman E. Sharpless, MD, UNC Chapel Hill, Medicine and Genetics as part of the Pharmacology Seminar Series. At 4:00 p.m. in G202 MBRB.

Triangle Synapse Club
Presented by Jerry Yakel, NIEHS. From 5:00-7:00 p.m. at Duke-101L Bryan Research Building.

May 12th
Aberrant Chromatin Remodeling and Epigenetic Dysregulation as Drivers of Ongogenic Transformation
Presented by Charles W.M. Roberts, MD, PhD, Dana-Farber Cancer Institute, as part of the UNC Lineberger Cancer Center Seminar Series. At 4:00 p.m. in 00-002 Joseph S. Pagano Conference Room, UNC Lineberger Cancer Center.

Feedback Control of Mitosis: A Structural Perspective
Presented by Dr. Andrea Musacchio, European Institute of Oncology, Milan, Italy, as part of the Biology Department Seminar Series. At 4:00 p.m. in 201 Coker Hall.

May 13th
Building a Synthetic Cell
Presented by Clyde Hutchinson, PhD, Distinguished Investigator, J. Craig Venter Institute, as part of the GMB Seminar Series. At 12:00 p.m. in G100 Bondurant Hall.
May 2010 Seminars (page 3 of 3)

May 21st
Identifying Novel Genetic Determinants of Hemostatic Balance
Presented by Dr. David Ginsburg, as part of the Thrombosis and Hemostasis Lecture Series. From 11:00 a.m. to 12:00 p.m. in the Pagano Conference Room LCCC.

Reducing the Burden of Breast Cancer
Part of the UNC LCCC/NC Comprehensive Cancer Program. From 8:00 a.m. to 4:00 p.m. at Edgecombe Community College, 2009 W. Wilson Street, Tarboro, North Carolina.
May 2010 Campus Events and Workshops (Page 1 of 4)

May 5th
Lunch & Learn: Flagging Patient Medical Records for Study Participation
This workshop will provide you with step-by-step instructions on the process for accurately flagging a patient’s medical record when that patient is also participating in one of our clinical trials. We will cover UNCH’s new online training module and provide you with the necessary forms to submit for access to SMS. Workshop presented by Cindy Carland Huskins, Compliance Analyst, UNC Health Care System. Sponsored by the Office of Clinical Trials. Held from 12:00-1:30 p.m. in 1131 Bioinformatics. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22528

May 7th
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 in Glaxo 148 from 10:00 a.m. to 12:00 p.m. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22465

May 11th
Photoshop I: Introduction
Photoshop is a powerful imaging tool that lets you adjust and enhance images. In this class you will gain a comprehensive understanding of the Photoshop workspace environment and will be able to navigate with confidence into the myriad of menus and dialog boxes. You will also learn about the significance of different file formats, such as GIFs, TIFFs, JPEGs, and PSDs, when working with images for the Web or print. Our expert teachers will take the guess work out of this complex program with tips and techniques to help save you time and frustration. Classes are held in 67 MacNider Hall, site of the Faculty Multimedia Development Lab from 12:00 – 1:00pm. To register: http://www.med.unc.edu/www/events/photoshop1/view

May 12th
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 in Glaxo 148 from 10:00 a.m. to 12:00 p.m. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22467
May 2010 Campus Events and Workshops (Page 2 of 4)

May 13th
Photoshop II: Layers
In this class, you will learn essential skills that will become the foundation for creating images in Photoshop. Photoshop lets you isolate different parts of an image on layers. Each layer can then be edited independently, allowing tremendous flexibility in creating and revising an image. You'll learn step-by-step how to use the most important Layers features and techniques that will take your skills to a whole new level of efficiency and creativity. Classes are held in 67 MacNider Hall, site of the Faculty Multimedia Development Lab from 12:00 – 1:00pm. To register: http://www.med.unc.edu/www/events/photoshop2-copy/view

May 17th
Transitioning to Microsoft Office 2007
Microsoft's Office suite just got an upgrade. In this workshop we'll learn how to navigate the Office 2007 workspace in Word, Excel, and PowerPoint. We'll explore features such as the ribbon, tabs, and context-sensitivity. Topics covered include saving in old.doc/.xls/.ppt formats; inserting pictures in Word; creating tables in Excel; and creating basic PowerPoint presentations. Class time will also be devoted to answering your specific questions. This class will end the desperate hunt for your favorite buttons! Classes are held in 67 MacNider Hall, site of the Faculty Multimedia Development Lab from 12:00 – 1:00 pm. To register: http://www.med.unc.edu/www/events/office2007/view

May 18th
Photoshop III: Selections
This class will teach you essential principles of not only how to make and modify selections but why they are so important. You'll learn how to use Photoshop's selection tools to manipulate areas of the image without affecting the entire image. You will also learn how to apply these selections to layers for greater flexibility in editing the image. Understanding the use of selection tools is essential to editing images in Photoshop. Classes are held in 67 MacNider Hall, site of the Faculty Multimedia Development Lab from 12:00 – 1:00pm. To register: http://www.med.unc.edu/www/events/photoshop3-copy/view

May 19th
What You Should Know When Conducting Trials with Drugs or Devices-An Opportunity for Regulatory Guidance and Discussion
This workshop is being offered as a CTSA collaboration with the NC Translational and Clinical Sciences (TraCS) Institute at UNC and the Duke Translational Medical Institute(DTMI). The workshop will be divided into 2 days (May 19, 2010 for IND and May 20, 2010 for IDE). This workshop will be held on 2 days to better address the IND and IDE process. You may sign up for one or both workshops, depending on your specific interests and investigational needs. This course will offer best practices when conducting clinical trials using FDA approved and non-approved drugs and/or devices. It will cover the IND/IDE process and the regulatory obligations of the sponsor-investigator once an IND/IDE is filed with the FDA. It will include roundtable discussion about the IND/IDE process and general questions from participants. Who is this course designed for? Anyone directly involved in conducting investigator-initiated trials: • Investigators • Regulatory Personnel • Clinical Research Nurses • Clinical Research Associates. Sponsored by NC TraCS (Translational and Clinical Sciences) Institute: NIH CTSA at UNC-Chapel Hill. Held from 9:00 a.m. to 12:00 p.m. in 1131 Bioinformatics. To register: http://cfx.research.unc.edu/res_classreg/browse_multiple.cfm?New=1&event_id=22534
May 2010 Campus Events and Workshops (Page 3 of 4)

PowerPoint: Tips & Techniques
You know the basics of creating a PowerPoint presentation, but now you'd like to take your presentations to a new level. In this workshop you'll learn more advanced techniques to enhance your PowerPoint presentations. Topics covered include drawing tools, slide animations, headers and footers, slide masters, automated presentations, and more. Class time will also be devoted to answering your specific questions. After attending this workshop, you'll no longer have to ask yourself "How did they get their presentation to do that?" Classes are held in 67 MacNider Hall, site of the Faculty Multimedia Development Lab from 12:00 – 1:00pm. To register: http://www.med.unc.edu/www/events/ppt-copy/view

May 20th
Photoshop IV: Masks
In this class you will learn the advanced skill of masking. Using layer masks you can nondestructively conceal parts of an image or an adjustment made to an image. With masks you can also isolate and manipulate specific parts of an image. Masks are convenient in that they can be edited repeatedly without permanently affecting the underlying image. Masks are a key component to creating photo collages. Classes are held in 67 MacNider Hall, site of the Faculty Multimedia Development Lab from 12:00 – 1:00pm. To register: http://www.med.unc.edu/www/events/photoshop4-copy/view

Scientific Writing from the Reader’s Perspective: A 2-Day Seminar
The TraCS Institute is pleased to announce the dates for a 2-day writing seminar titled “Scientific Writing from the Reader’s Perspective” taught by Dr. George Gopen. Dr. George D. Gopen is a Professor of the Practice of Rhetoric and Senior Lecturing Fellow in the Department of English and the School of Law at Duke University. As competition for external funding becomes more challenging, the importance of clearly communicating one’s ideas and getting one’s scholarly work successfully published is more important than ever. Dr. Gopen’s approach is based on a single idea: Learning to write for the reader allows the writer to control what readers learn. Dr. Gopen’s workshops have changed participants’ writing habits permanently, often resulting in improved grant writing success. Both junior investigators and experienced scholars/mentors will benefit from this program. Registrants must be able to commit two, full days to this workshop, as each session builds upon the previous one. Sponsored by NC TraCS (Translational and Clinical Sciences) Institute. From 8:00 a.m. to 5:00 p.m. at 2204 MBRB. Cost: $80. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22536

May 24th
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 survival 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 in Glaxo 148 from 10:00 a.m. to 12:00 p.m. To register: http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22471
May 25th
**Mandatory Breeding Policy Lecture**
This course is mandatory for all Principal Investigators, Laboratory Animal Coordinators and mouse handlers with breeding colonies at UNC. The one hour lecture reviews the Institutional policy concerning cage population densities, housing and breeding mice. Held from 11:00 - 12:00 in 148 Glaxo. To register: [http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22477](http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22477)

**Photoshop V: Creating Web Graphics**
In the final installment of our Photoshop classes, you will learn to create images for use on the Web. This course will familiarize you with concepts and techniques required to optimize images for display on the internet. You will also learn about several graphic formats that are appropriate for Web images, and how to choose the best one for output. Classes are held in 67 MacNider Hall, site of the Faculty Multimedia Development Lab from 12:00 – 1:00pm. To register: [http://www.med.unc.edu/www/events/photoshop5-copy/view](http://www.med.unc.edu/www/events/photoshop5-copy/view)

May 27th
**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/](http://cfx3.research.unc.edu/iacuc_reg/)). Held in Glaxo 148 from 10:00 a.m. to 12:00 p.m. To register: [http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22473](http://cfx.research.unc.edu/res_classreg/browse_single.cfm?New=1&event_id=22473)