Upcoming TIBBS-sponsored events:

**Thurs./April 4th at 5:30 pm in Bondurant G030: WinS/GWIS Equality for Women in Science Discussion**

Women in science often face unique challenges throughout their career. Many of these issues have been front-page news in the past year. Please join us for a lively discussion of three articles. To register: [http://tinyurl.com/a5chps6](http://tinyurl.com/a5chps6)

**Fri./April 5th at noon on the MBRB Lawn: Graduate Student Appreciation Week Social**

In celebration of Graduate Student Appreciation Week, join us for a delicious ice cream sundae social! We’ll have a variety of ice cream flavors and loads of toppings! UNC faculty members will be dishing out ice cream to show their appreciation for all of your hard work. No registration is necessary, but please bring your One Card to participate.

**Wednesday, April 10th from 8:30 am to 4:30 pm at the Courtyard Marriott, Chapel Hill: 4th Annual Postdoc Boot Camp**

Are you less than two years from graduation? Are you starting to think about where to do your postdoc? Are you in the middle of your postdoc search? Wherever you are in the process, the 4th annual TIBBS Postdoc Boot Camp will put you on the path to success. You’ll learn the following:

- How to plan strategically for a postdoc that will get you on the right path to your preferred career.
- How to best apply for advertised and unadvertised positions.
- How to effectively navigate your postdoc so you finish on your own chosen timeline.

Registration for this event is limited to 45 graduate students. To register: [http://tinyurl.com/cns8qmx](http://tinyurl.com/cns8qmx)

**Thurs./April 18 at noon in Bondurant 2035: Career Networking Lunch with Dr. Amy Rawls**

Interested in science editing? Join us for a Career Networking Lunch with Amy Rawls, PhD, Head of Recruitment and Talent Development at American Journal Experts. Amy will discuss career paths in science writing and editing, share ways that graduate students can prepare now for these career opportunities, and answer any other questions that participants have. To register: [http://tinyurl.com/cb8nw9o](http://tinyurl.com/cb8nw9o)

**Thurs./April 18 from 8:50 am to 3:45 pm in the Koury Oral Health Sciences Building: 2013 Translational Medicine Symposium**

This symposium will showcase the translational research that is being conducted by UNC graduate, post-doc, medical, dental, public health, and undergraduate students. The symposium is co-sponsored by the HHMI-funded Program in Translational Medicine (PITM) and the NCI-funded Cancer Cell Biology Training Program (CCBTP). We will have distinguished researchers from UNC and other institutions speaking about their translational research. Registrants are encouraged to present a poster, regardless of the nature or success of their research project. Once registered, a confirmation email will be sent along with information about abstract submission. If you have any questions, please email kewoodward@unc.edu. To register: [http://tinyurl.com/transmed2013](http://tinyurl.com/transmed2013)
Women in science often face unique challenges throughout their career – many of these issues have been front-page news in the past year. Please join us for a lively discussion of the articles posted below. A casual dinner will be served. The articles we will discuss include:

Article 1: Science Faculty’s Gender Biases Favor Male Students
Article 2: Why Women Still Can’t Have It All
Article 3: Gender Differences In The Salaries of Physician Researchers

Space is limited! Register at http://tinyurl.com/a5chps6

All genders are encouraged to attend.
Agenda at a Glance

Keynote address
“A goal without a plan is just a wish” Philip Clifford, PhD, Professor of Anesthesiology and Physiology, Associate Dean for Postdoctoral Education, Medical College of Wisconsin

Postdoc Panel
Panelists from academia, industry, government, and teaching postdocs share their advice.

Faculty Panel
PIs answer your questions about how they interview, how they hire, and what makes a successful postdoc.

Workshops:
• Thinking strategically about your postdoc training
• Crafting effective cover letters & CVs

Lunch provided
PM networking reception

When?
April 10, 2013
8:30 am – 4:30 pm

Where?
Courtyard Marriott, Chapel Hill, NC

How?
Registration requires two steps. Go to TIBBS.unc.edu for a registration link and information about submitting your CV. Registration cap is 45.
Translational Medicine Symposium
Koury Oral Health Sciences Building
Thursday, April 18, 2013

Distinguished speakers - Kirkland Auditorium

9:30-10:30 Dr. Franck Maucais-Jarvis
Diabetes & translational endocrinology

1:00-1:30 Dr. Cam Patterson
Cardiovascular medicine

2:15-3:15 Dr. Leisa Johnson
Cancer drug development & mouse models

10:45-12:00 Poster session - Atrium

4:00-4:30 Informational sessions
Translational medicine training program - G605
Advice for undergraduates seeking careers in medicine - Kirkland Auditorium

Students speakers - Kirkland Auditorium

9:00-9:30 Adam Friedman, Pharmaceutical Sciences
Rebecca Bauer, Toxicology

1:30-2:00 Mariko Weber, Neurobiology
Kate Hacker, Genetics

To register for the symposium and to submit an abstract, please visit http://tinyurl.com/transmed2013 or scan the barcode.
Glioblastoma (GBM) is not a word you want to hear from your doctor. This type of brain cancer, or glioma, has a 5-year survival rate of less than 10%,1 compared to cancer as a whole at 68%.2 One of the reasons for this extremely low survival rate is that >95% of all drugs do not cross the blood-brain barrier and are thus ineffective against this disease.3 Fortunately for us, Dr. Shawn Hingtgen is focused on solving this problem using stem cells.

A stem cell is a special type of cell that can be programmed to differentiate into any cell type in the body, allowing a single fertilized egg to grow into an adult. Current stem cell technology lets scientists take tissue from an adult and create induced pluripotent stem cells (iPS cells). Typical iPS cell research is aimed at growing new organs or repairing injured tissue, a field known as regenerative medicine. However, research into unconventional uses for stem cells uncovered an interesting observation: stem cells have a natural ability to “home” or target to sites of injury or disease, including solid tumors. What Dr. Hingtgen seeks to do is to arm them with various cancer-fighting weapons so that they are able to target the difficult-to-reach brain tumors and deliver a tumor-killing therapy. The weapons of choice are toxic fusion proteins, such as TRAIL or other pro-death and anti-growth proteins. When given alone, these proteins would not be very effective due to short circulation time and an inability to get into the brain. Dr. Hingtgen seeks to harness armed stem cells to target the therapeutic to the brain tumor, where they would continuously manufacture the therapeutic protein locally.

In order to arm the stem cell with his therapy of choice, Dr. Hingtgen turns to molecular biology and lentiviruses. Lentiviruses are used to engineer stem cells to express a desired protein as well as a fluorescent protein. Manipulating the cells in such a way gives Dr. Hingtgen the ability to track the location of the armed cells by using an animal imaging method known as intravital microscopy. Exciting preliminary data suggest that tumor growth can be stopped for at least two weeks with just a single injection of stem cells in the brain.

In addition to pushing the boundaries of therapeutic agents, Dr. Hingtgen also seeks to create a more translational mouse model. In clinical practice, standard treatment involves surgical resection followed by chemotherapy and radiation. However, current mouse models have no surgical component to them, making it difficult to translate successful mouse therapies into human ones. “Our ultimate goal is to move our treatments into patients. In speaking with neurosurgeons, we identified several significant issues that needed to be addressed before this could be accomplished. However, traditional mouse models of GBM could not provide the answers we needed so we utilized our expertise to create more relevant models that could answer these questions,” explained Dr. Hingtgen.

Using fluorescence-guided microdissection, >95% of a mouse tumor is thought to be resected, as measured by MRI and luminescence. The mouse tumors re-grow 18 days post resection, mimicking the same recurrence problem seen by clinicians. Using this model, Dr. Hingtgen found that the stem cells are not retained very well in the brain following surgery, negatively impacting the success of the stem cell treatment. To improve stem cell retention, Dr. Hingtgen has begun to collaborate with biomaterials scientists and neurosurgeons in developing an implantable-gel system to provide his stem cells a protected base from which to attack.

A recent junior addition to the Molecular Pharmaceutics division of the Eshelman School of Pharmacy, Dr. Hingtgen is part of a growing number of translational researchers at UNC and is in a unique position to bring together disparate tools to solve the complex problem of glioma and develop the next generation of drug treatments. His future work will involve improving the efficacy of his protein weapons, finding new weapons, and developing his gel-based implantation method.

References

About the author: Luke Roode is a graduate student in the Division of Molecular Pharmaceutics in the School of Pharmacy at the University of North Carolina at Chapel Hill. His research is focused on understanding the interplay between PRINT Nanoparticle properties and their resulting biodistribution.
TIBBS Trivia Contest: Name That Scientist!

Let’s exercise our brains with some TIBBS trivia! The first UNC graduate student with a correct response will win a UNC lunch bag! Five runners up will receive a delicious candy bar! Here’s how to play:

1. Like us on Facebook
2. The trivia question will be posted on our wall a few minutes after distributing the TIBBS Times.
3. Email your answer to erin.hopper@unc.edu. Good luck!

Pioneering Postdoc Programs

AMERICAN ACADEMY OF MICROBIOLOGY COLLOQUIUM FELLOWSHIP

The American Academy of Microbiology (Academy) is accepting applications for its next Colloquium Fellow. This is a one-year fellowship for a recent microbiology Ph.D. recipient to develop skills in science policy and communication. Applicants for the fellowship should have a broad interest in the field and a willingness to learn about topics outside their own area of expertise. The fellowship will provide salary and some benefits.

In addition to academic researchers and clinicians, the field of microbiology needs individuals who are skilled in science communication and public outreach. The goal of the AAM Colloquium fellowship is to provide an opportunity for a recent microbiology Ph.D. graduate to develop these skills. Each year the Academy convenes five to six colloquia to address critical issues in microbiology. The fellow will work closely with the Academy Director on the colloquium program, participating in the entire process from choosing appropriate topics through proposal development and fund-raising to writing colloquium reports to publicity and dissemination.

Applications are due May 15, 2013. Please visit here for a full job description, and here for application instructions.
Click here to view seminars, workshops/events, and TIBBS events on our TIBBS calendar.

Cheap Things

Groupon
Groupon is a website that offers deals on things to do, services, and places to eat in your area.

Living Social
Offers one deal every day with discounts of up to 90% at local restaurants, bars, spas, theaters, and more.

Our Local Deals
Deals for the Greater Chapel Hill, Carrboro and Orange County Communities

APRIL EVENTS:
Sustainability Center and Solar Stage at UNC Science Expo
Saturday, April 13, 2013
10am-3pm
UNC Campus
As part of this year’s NC Science Festival, the Town of Chapel Hill is sponsoring a Sustainability Center and Solar Stage to educate and encourage making environmentally responsible decisions in our lives. www.townofchapelhill.org/scienceexpo

5th Annual Scrapel Hill Art Exhibit
University Mall, April 29 thru August 23
Scrapel Hill is an annual exhibit dedicated to make people think creatively about reuse, and features works created from discarded objects and materials. Scrapel Hill is an ongoing partnership between the Town of Chapel Hill’s Public and Cultural Arts Office and University Mall. Local and regional artists are invited to submit works that help educate and promote the value of

Chapel Hill/Carrboro events:
[http://chapelboro.com/Calendar/9470615](http://chapelboro.com/Calendar/9470615)

Playmaker’s Theater:
[http://playmakersrep.org/](http://playmakersrep.org/)

Raleigh Festivals this Month:
[http://eventful.com/raleigh/events/categories/festivals_parades](http://eventful.com/raleigh/events/categories/festivals_parades)

Triangle Film Events this Month:
[http://eventful.com/raleigh/events/categories/movies_film/this-month](http://eventful.com/raleigh/events/categories/movies_film/this-month)

Thorough List of Local Events by Category:
[http://eventful.com/raleigh/events](http://eventful.com/raleigh/events)

**LOCAL EVENTS CALENDARS**

Chapel Hill Event Calendar:

Durham Event Calendar:

Carrboro Citizen:
[http://twitter.com/#!/CarrboroCitizen](http://twitter.com/#!/CarrboroCitizen)
[http://www.carrborocitizen.com](http://www.carrborocitizen.com)

Raleigh Carrboro Events
[http://events.triangle.com/raleigh-nc/events/carrboro+events](http://events.triangle.com/raleigh-nc/events/carrboro+events)

Independent Weekly:
[http://www.indyweek.com](http://www.indyweek.com)
[http://twitter.com/#!/indyweek](http://twitter.com/#!/indyweek)

**ATHLETIC EVENTS**

Full Schedules available for every sport: [http://www.goheels.com/](http://www.goheels.com/)
UNC Campus Recreation Intramural Sports
http://campusrec.unc.edu/getting-involved

 Runs:
For a complete list of local runs and races: http://runwellnc.com/

Fleet Feet in Carrboro has weekly free Pub Runs, yoga, and 4, 10, ½ marathon, and marathon training workouts: http://www.fleetfeetcarrboro.com/

Some races in Chapel Hill:
2013 Heels 4 Homes 5K, Saturday, April 6 at 8 am in Kenan Stadium: Join UNC Football Coach Larry Fedora and Rameses for the first annual Heels4Homes 5K at UNC Chapel Hill. All proceeds go to support Kenan-Flagler’s Habitat for Humanity partnership - helping ‘raise the roof’ for deserving families in Orange County! Race kicks off and finishes inside Kenan Memorial Stadium, and Rameses will be on hand for photos at the finish line! $20 registration includes race tee-shirt, post-race refreshments & more! For more information: https://extranet.kenan-flagler.unc.edu/MBAclubs/habitat/Pages/Heels4Homes5K.aspx

Color the Hill 5K Fun Run: The Color the Hill 5K and Fun Run is the wackiest time you can have on a cross country course! Make sure you show up at the start line as a blank canvas – white attire is best. Then run, walk, skip or dance your way to the finish line while you move through a rainbow of fun. All ages, skills, sizes and shapes are welcome and having a blast at the Color the Hill event is what it’s all about. By the finish line, you’ll look like a Jackson Pollock painting! For more information: http://www.colorthehill.com/

Tar Heel 10-Miler: Join Us! The 6th annual running of the Tar Heel 10 Miler presented by CEP Compression Sportswear and the Fleet Feet Sports 4 Mile Run. All happening Saturday April 20th 2013 at UNC’s Kenan Stadium - showcasing UNC campus, Downtown, Chapel Hill, and the most beautiful neighborhoods in North Carolina! This year’s field is limited to the first 5000 runners. For more information: http://tarheel10miler.com/

THE ARTS AND SCIENCES

Carolina Performing Arts:
http://www.carolinaperformingarts.org/genres/all

Shows at Cat’s Cradle, Carrboro:
http://www.catscradle.com/schedule.html

UNC Music Department Performances and Events:
http://music.unc.edu/calendars/thecalendar
UNC Ackland Art Gallery Calendar:

Morehead Planetarium
250 E. Franklin St, Chapel Hill

Museum of Life and Science, Durham
http://www.ncmls.org/visit
$12.95 adults, $10.95 seniors 65+, $9.95 children (3-12)
DSI Comedy Theatre

Carrboro Artcenter:
Craft workshops, dance classes, and live music

Carolina Theatre’s “Retrofantasma” film series:
A monthly film series of double-features dedicated to bringing classic horror movies back to the big screen in 35mm! Created in 1998, RETROFANTASMA has developed a large dedicated audience of horror movie enthusiasts whose desire to see their favorite terror flicks is matched only by their willingness to cheer at the screen. Tickets: $7.
[http://festivals.carolinatheatre.org/retrofantasma/](http://festivals.carolinatheatre.org/retrofantasma/)

Varsity Theatre on Franklin St.
The Varsity Theatre has been a landmark of Chapel Hill and Franklin Street for over 50 years. Since the Sorrell building was built in 1927, it has always housed a movie theater, starting with the original Carolina Theater and then the Village Theater before becoming home to the Varsity.
[https://twitter.com/#!/varsitytheatre](https://twitter.com/#!/varsitytheatre)

**FOOD AND DRINK**
Comprehensive list of food and drink specials, bar events in the area:

Carrboro Farmers’ Market
301 W. Main St., [www.carrborofarmersmarket.com](http://www.carrborofarmersmarket.com)
Saturdays 7 a.m.-noon (year-round)
Wednesdays 3:30-6:30pm (starting April 13th)
These fruits and veggies are in season: Belgian Endive, Brussels Sprouts, Butternut Squash, Cactus Pear, Cardoon, Cherimoya, Chestnuts, Clementines, Collard Greens, Date Plums, Dates, Delicata Squash, Grapefruit, Kale, Kiwifruit, Leeks, Mandarin Oranges, Maradol Papaya, Oranges, Passion Fruit, Pear, Persimmons, Pummelo, Red Banana, RedCurrants, Sharon Fruit, Sweet Dumpling Squash, Sweet Potatoes, Tangerines, Turnips

Pick your own fruits and vegetables:
Check out these directories for local pick-your-own farms:
[http://www.pickyourown.org/NCpiedmont.htm](http://www.pickyourown.org/NCpiedmont.htm)

CH Bar Specials:
Frequently updated nightly bar specials in Chapel Hill
[https://twitter.com/#!/CHBarSpecials](https://twitter.com/#!/CHBarSpecials)

The Stagger- Chapel Hill/Durham/Raleigh area drink specials. [www.thestagger.com](http://www.thestagger.com)

Recession Tuesdays at ACME
Carrboro
All entrees $12.95 every Tuesday. Reservations highly recommended.

Tylers Taproom, Carrboro/Durham/Apex:
[http://www.tylerstaproom.com/happenings](http://www.tylerstaproom.com/happenings)
**Cheap Things**

**APR 2013**

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**Rockfish Southpoint:**
1/2 price bottles every Monday and Saturday
$2 all drafts and free glass for featured beer every Thursday at 6pm and free appetizers 9pm-11pm.
https://twitter.com/#!/RockfishNC

**First Fridays, Downtown Raleigh**
Art, Food, Music for free in downtown Raleigh
http://www.godowntownraleigh.com/first-friday-raleigh

**Carolina Brewery:**
http://www.carolinabrewery.com/carolina_brewery_news.html

**City Beverage, Durham**
http://www.citybeverage-durham.com/

**Broadstreet Cafe, Durham**
http://www.thebroadstreetcafe.com/events.html

**Bull City Homebrew:**
http://www.brewmasterstore.com/

**Fifth Season Gardening Co., Carrboro:**
Gardening, Home, and Beer/Wine making supplies
http://www.fifthseasongardening.com/

**VOLUNTEER OPPORTUNITIES**

**UNC Hospitals Volunteer Information**
http://www.unchealthcare.org/site/volunteers/adult_volunteers

**United Way:**
Requires creating an account. Once registered, search by zip code for nearby volunteer events.
http://volunteer.truist.com/triangle/user/login/?return_url=%2ftriangle%2fvolunteer%2fhome%2f&type=&__flash_message__=The+page+you+are+trying+to+reach+requires+you+to+log+in+or+register&__hs____flash_message__=ad9b4f32ce0331b664cebef21caae8fd2ab92f46

**Habitat for Humanity:**
Orange County:
http://www.orangehabitat.org/volunteer/

**Durham:**
http://durhamhabitat.org/volunteer/volunteer-worksites.html

**Orange County Animal Shelter:**
http://www.co.orange.nc.us/animalservices/volunteers.asp