We take the BS out of BBS.

With the retirement of the Eppindwarves, B needs to find a new mascot. Send us your ideas! While you’re brainstorming, check out our latest issue. We tell you about patenting your discoveries, offer a first-hand account of planning for a scientific conference, and detail the components of a good talk. For fun, check out Trail Mix and our summer calendar. As always, finish up with the B mag contest.

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B Contest: The WORST Things You Could Hear from Your PI

Intellectual Property at Yale

AN INVESTIGATIVE REPORT

BY C. MASON

So, you’ve found the cure for cancer on your rotation project, and you want to patent the small molecule that is responsible for slapping those cell cycles back into shape. What are your rights? How much money can you make? How much of a slice does your PI get?

All these questions can be answered by the policy of Intellectual Property here at Yale, administered by the Office of Cooperative Research (http://www.yale.edu/ocr/), and the person you would speak with is Jon Soderstrom (jon.soderstrom@yale.edu). In an interview, I got the specifics for the policies of intellectual property and the rights, opportunities, and potential for a graduate student.

First and foremost, to file a patent or be part of a patent, you must be an inventor. To be even considered an inventor, you must have made a non-obvious, enabling contribution to the invention. This means that even if you ran the critical Western Blot or made the buffer in the lab for the person who designed the experiment, you will not be an inventor. You must have contributed something, an idea or a protocol, that no one else could have invented.

Once you are an inventor, the question turns to the pie – the money pie - and the size of the slices. Yale’s policy is as such:

Inventors’ Rights to revenue:
- 50% of first $100,000 profit
- 40% of second $100,000 profit
- 30% of each subsequent $100,000 profit

So, after the first $200,000 of profit, the inventors will take 30% of the profits from this small molecule. If, however, there is more than one inventor (as there usually is), each inventor must make a specific claim to the patent. There are two types of claims:

Independent Claim: specific, unique part of invention
Dependent Claim: claim dependant on another part of the invention

Independent claims usually carry more weight for receiving more money from the patent. So, how does the profit get sliced up? All inventors for any invention must agree to their percentage of the revenue. Nothing will proceed until all the inventors with dependent and independent claims agree. For example:

Professor Johnson, Post-doc Anderson, and

continued on page 3
Hey Mr. President, That’s Not What I Said: Science Policy Politics in the Bush Administration  

BY R. RABENSTEIN

As a B-mag staff newbie, writing a scathing article on the Bush administration’s use of science in policy making is probably not the way to endear readers to me. Some may view the title and quickly dismiss the writer as some wacko left-wing nut. Well, I am, for the moment, still sane; and although I feel like I’m at an AA meeting every time I say it: My name is Reba, and I’m a Liberal. There are many reasons why I’m no friend of the current administration, but I’ll focus on the administration’s use of scientific reports in policy making.

Last August, Rep. Henry A. Waxman, the Ranking Member of the Committee on Government Reform for the U.S. House of Representatives, commissioned a report on Politics and Science in the Bush Administration (www.politicsandscience.org). It details the ways in which the administration has manipulated scientific advisory committees, altered or concealed scientific information, and directly or indirectly obstructed research that does not corroborate White House policy. Highlights of the report include: replacing experts in lead poisoning from the Advisory Committee on Childhood Lead Poisoning Prevention with persons associated with the lead industry, including a lead industry consultant; appointing Dr. W. David Hager to the FDA’s Reproductive Health Drugs Advisory Committee, (Dr. Hager is a religious conservative who once suggested that women read the Bible and pray in order to relieve menstrual cramps); and, after asserting that the “Administration’s climate change policy will be science-based” (President’s Statement on Climate Change, July 13, 2001), the State Department blocked the re-appointment of Dr. Robert Watson, a leading climatologist, following intensive lobbying by ExxonMobil and forced the elimination of the entire section on global warming from the EPA’s 2002 annual air pollution report.

Another report published earlier this year from the Union of Concerned Scientists (UCS, “Scientific Integrity in Policymaking: An Investigation into the Bush Administration’s misuse of science”, March 2004,) restates and elaborates on many of the findings from the Waxman report and cites other instances of misuse, (see www.ucsusa.org). For instance, the UCS report followed up on the United States Department of Agriculture’s (USDA) suppression of the work of Dr. John Zahn, a USDA microbiologist, who measured significant levels of hazardous (to humans) airborne antibiotic-resistant bacteria produced from hog farms in Iowa and Missouri. The USDA barred Dr. Zahn from presenting his findings several times, stating that it was not the mission of his department to comment on human health. Yet, the website of Dr. Zahn’s research unit clearly states its mission “is to solve critical problems in the swine production industry that impact production efficiency, environmental quality, and human health” (USDA Online from March 2004, www.nsric.ars.usda.gov; if you visit the site now, the statement leaves out “human health,” swapping “swine” for “human”). Dr. Zahn’s predicament is not unique, as the USDA issued a directive in 2002 calling for staff scientists to get prior approval before presenting or publishing “sensitive issues.” This policy is sensible with regard to bioterrorism, but the USDA’s definition of sensitive issues is any “agricultural practices with negative health and environmental consequences, e.g. global climate change; contamination of water by hazardous materials (nutrients, pesticides, and pathogens); animal feeding operations or crop production practices that negatively impact soil, water, or air quality.” (Lists of Sensitive Issues for ARS Manuscript Review and Approval by National Program Staff – February 2002 [revised]).

The above list of the Bush administration’s actions against science and scientists barely scratches the surface of the subtle and not so subtle ways that this administration is chipping away at the integrity of disseminating scientific information to the public. By stacking advisory committees with sympathetic ideologues, heavily editing independent governmental reports, and prohibiting the distribution of scientific findings, the Bush administration is showing its contempt for scientists and the American public.
graduate student Smith discovers a small molecule to treat lung cancer. It becomes a drug that gets sold through Bristol-Myers-Squibb, and the drug generates $3.3 million dollars per year. That means Johnson, Anderson, and Smith get 30% of that profit, making $1 million a year.

The professor, post-doc, and student sit down and discuss percentages. The student has an independent claim (discovered the chemical reaction to create the drug), and the post-doc and professor have dependant claims (work with by-products of that reaction). It may be:

- **Independent claim** = 50% - $500,000
  - Student = 50% - $500,000

- **Dependent claims** = 50% - $500,000
  - Post-doc = 25% - $250,000
  - Professor = 25% - $250,000

Once the company takes over, your fortune rests in the drug’s success, but you no longer need to work, and the money just keeps flying into your pockets.

The most important point of this policy, and the point you MUST remember, is that all inventors must agree to the profit distribution before a single penny is allotted. Therefore, if professor Johnson angrily declares that it is his/her lab, and graduate students only get 5% in his lab, graduate student Smith can throw a beaker of HCl on the floor and declare, “Lies! All lies!” Well, the beaker is just for dramatic effect, but the student, the post-doc, and the professor all have equal rights to negotiate their part of the profit. No one gets a penny until everyone agrees and signs the patent. If there is an impasse for the inventors, the arrangement can be mediated by patent lawyers, but, again, the final decision is up to the inventors. It is impossible for a student to receive no money for an invention, if he or she is truly an inventor, unless the student does not know her/his rights.

So, why does Yale get 70% of the profit, when Smith, Johnson, and Anderson developed the drug? Two reasons: First, Yale claims itself as a necessary contributor to the development of the intellectual property, because we do all our work under their lights, breathing their temperature-controlled air, in their state-of-the-art facilities, with their top-notch staff and cleaning services. Since it is hard to have all those things in a basement laboratory, Yale claims it should receive profits. Secondly, the patent application process administered by OCR takes hundreds of thousands of dollars in dealings with the U.S. patent office, lawyer fees, business negotiations, and research costs. Since Yale takes the burden of all those fees as well, it then feels justified in taking 70% of profits from any patent developed here at Yale.

The area in which a graduate student has limited power is the exact result, implementation, and distribution of a drug, since these activities proceed mainly according to the caprices of the company (Bristol-Myers-Squibb, Pfizer, or other). Input was needed from the University and other organizations (Doctors without Borders, GESO) to change the policy of expensive African distribution for D4T, an AIDS treatment drug. The inventors had little effect in asking for a reduction in cost, and it took a lot of other people to help convince the company to change. This limited involvement in your invention’s effect and usage has always been a caveat (along with less money) in academic patents and research, like with physicists who had their laser research commandeered for the Star Wars program or atomic energy turned into weapons. However, academic research involves less personal investment, and the academy is not likely to lose all its stock and disappear if an experiment goes wrong. If the number of botched experiments determined a University’s finances, many would disappear quickly. Hopefully any discovery by a graduate student at Yale would be used responsibly, but it is always a good idea to follow the paths of your brain children, especially when someone else is giving them a ride to school.

For more information, you can visit the OCR website (listed earlier in this article) or contact Jon Soderstrom. For more motivation to find the cure to a disease, just remember that you might be able to earn money by breathing alone, once that 30% starts rolling your way. Good luck.
This year I found myself with the opportunity to attend a summer conference. I should at least briefly admit that I did notice the chance to have a few days away from sunny New Haven. I was also conscious of the greater opportunity to learn some interesting things and establish connections with different people in my field. Having been to the Society for Neuroscience Conference last fall, I hoped to capitalize on lessons I learned to make the most of my second meeting. I hoped the ideas I focused on in picking a conference and preparing for it would produce a valuable experience for me as I look toward what are (hopefully) the last few years of graduate school for me.

Preparation to attend a conference began a few months earlier in March. Two parts seemed most essential: deciding on a conference (duh) and deciding whether or not to submit an abstract. Word of mouth proved to be helpful to decide on a specific conference as the annual RNA Society meeting came highly recommended, and I felt it would be valuable to meet scientists operating from a different perspective related to what I do than those at the Society for Neuroscience meeting. My advisor approved of the choice (always a positive), so I finalized my decision to attend the RNA Society meeting in Madison, Wisconsin. Deciding on the meeting was accompanied by deciding on presenting. Although I wanted to have a poster this time, I decided along with my advisor that I was not quite at a point where it would be wise to present my work. With my preparation for the meeting simplified by this decision, my thoughts turned to the preparations I could make to benefit the most from going.

I was keenly aware, after my conference experience the previous fall, that not submitting an abstract opens a new set of challenges centered on avoiding anonymity at the conference. I would have to take initiative on my own to make connections and have a productive time. I attempted a couple of different key strategies to help my chances as I prepared. First, before receiving a list of abstracts or presenters, I assembled a list of specific people and labs to look for who would be particularly relevant to my own interests to meet. Secondly, upon receiving a schedule and abstracts, I first identified sessions of particular importance and then read abstracts to prioritize talks and posters of greatest interest. Probably the single biggest lesson I learned from previous experience was that, without a plan of at least a few specific target talks and posters, it is exceptionally easy to get lost with countless sessions going on in different rooms and different buildings. I thought that knowing at least a few specific presentations and rooms I wanted to visit would be extremely helpful.

Upon arriving at the meeting, I tried to focus on a couple of points. First, I knew I needed to be as outgoing and engaging as possible in talking to people and asking questions. This may sound simple to many, but it never is for me. I tend to be timid in groups, so it required definite effort. I focused on the poster sessions for this and made an effort to be more active asking questions than I was at the Neuroscience conference the previous year. Second, I knew that it can be easy to overload trying to see every talk and too many posters. I had learned from the Society for Neuroscience meeting that I needed to give myself some breaks. It is much easier to focus all of my attention on a reasonable number of presentations per day instead of insisting on attending every single session and burning out. Besides, it was nice to use some free time to see Madison (apparently it is easy to find beer and bratwurst).

Finally, upon returning to the land of Yale's, I am left to evaluate my own preparation and plan for attending the RNA Society Meeting. Overall, I found my preparation to be effective. I made it to most of the sessions I had planned and actually learned a lot too. Along the way, I met some helpful people from different labs and even got a few ideas that hopefully I can use back here. Lastly, I never felt overly exhausted and actually managed to have quite a good time while I was there. I did, not surprisingly, find that I still need to work on being comfortable asking questions and starting conversations in a crowd. A few people slipped by whom I should have spoken with, but hopefully there will be more opportunities. As I look forward to going to more conferences over the next few years, I feel that the most significant improvement to my experience will be to see how my own work is received. As for now, it is back to the joy that is a New Haven summer.
In our last article, we covered how to create effective, high-impact slides for a scientific presentation. All slides should have one central point and should use both succinct text and visual aids to deliver important information. Using these guidelines, the next step is to focus on the overall content of the presentation, from background information through data and acknowledgements. You want the audience to know exactly what you plan to cover, and throughout the talk, you want to make it clear where you are in that process.

ORGANIZING A PRESENTATION

As you begin to focus on the content of your presentation, consider the context in which you will be presenting your data. First, where will you be presenting your data; and what resources are available in the room? Is the equipment for a presentation from your laptop available, or will you need to bring a projector or prepare slides? Will you have a laser pointer, or should you bring your own? Especially if your talk is outside of the Yale campus, you cannot make assumptions. Don’t let yourself be caught in a bind. Next, identify your audience. Who will be attending, and what is their background? Are you presenting to colleagues who work on closely related projects, or to a group of students who have virtually no experience, even with the techniques that you use? Most often, your group will be somewhere in the middle. Based on this assessment you should have a good idea of how much background material you will have to cover in order for the audience to understand the data you will be presenting. If you are presenting to an inexperienced audience, you may end up sacrificing some of your data presentation for the sake of a clear talk. Finally, how much time will you have? Think about how long the talk is meant to last, and make a rough calculation of how long to spend on background information and how much time to spend on the data itself.

Now that you have a strategy, you should make an outline for the structure of your talk. Generally any talk can be based around the following components: introduction, background, data, summary, and acknowledgements.

The Introduction

You've probably heard the advice, “Tell them what you are going to say, say it, and tell them what you just said.” I think this is great advice. Use your introduction to explain the big picture of your talk. Start with a title that explains the central theme. Next, let your audience know what to expect throughout the talk by giving an overview of what you plan to discuss, focusing on the central research questions you will address and why they are of value. This will keep your audience grounded throughout the talk, and even an inexperienced listener will have a clear idea of why each part of your talk is important and how it fits in with the rest. By the end of your introduction, your audience should know what is coming and why it matters.

Background

Your background section should cover two things: past research that puts your own work in context, and methodological information that will help the audience interpret the data you are about to show. Cover only the background research that is directly relevant to the data you will be presenting. It may be a good idea to categorize past research into a few main points that set the stage for why you did the research you are about to show. Too much information can confuse your audience. If you are going to discuss data that hinges upon a complex pathway, you may want to consider placing an overview of this on a board before you give the talk, so the audience may refer to it as you proceed through your slides. Methodological explanations, when necessary, are often clearly and efficiently explained with a picture or a flow chart. This will help a novice in the audience to understand the procedure you followed. At the end of your discussion, you may want to reiterate some key points from your introduction to explain again the importance of your own research based on what is known and not known in the field.

Data

The data section, of course, is the heart of the talk. By now, you’ve told your audience exactly what you plan to share with them. Now share it. Organize the flow of the data just as you said you would in your introduction. Aim to cover only the amount of data that you can successfully explain in the time you have available. It is better to explain a little bit of data well than to present a lot poorly. When making your slides, decide what data stands best alone and what data is best shown along side an additional piece. For instance, if you are trying to convince your audience that two different conditions yielded distinct results, the results should be shown together (space permitting), rather than on separate slides, so the audience can directly compare the data. Try to include summary graphs to emphasize the conclusions you drew from the primary data. Remember, most people are uncomfortable with summary graphs if they have not first seen a sample of primary data. When possible try to include statistical analyses with your data to lend credibility to your findings.

Summary

Have at least one slide at the end of your data discussion that summarizes your findings. By this point in the talk you’ve introduced to your audience what you planned to say and have successfully said it. Now, reiterate what you just said. You want your audience to remember all of the data they’ve seen and the conclusions you’ve made. If you are giving a long talk with more than one main part, it might be a good idea to give mini summaries along the way, again, to keep your audience grounded in what you want them to take away from your talk and where you are in that process.

Acknowledgements

Acknowledgements are a short but important part of your talk. Be sure to remember to thank all the people who have provided you with technical, intellectual and moral support. In our final upcoming article, we will cover strategies for the delivery of an effective talk. With a rationally organized talk prepared using clear, focused slides, most of the work is done. A little bit of practice will help you to deliver a talk that will do justice to your work. B
**OUTTA HERE!**

Congratulations to everyone who became a bona-fide doctor this past semester!

### Cell Biology

Amy Bany (Michael Koelle)  
*Genetic and Cellular Analysis of the Inhibition of Egg Laying in Caenorhabditis elegans*

Stephen Goodman (Michael Stern)  
*Structure/Function Analysis of EGL-15, the Caenorhabditis Elegans Fibroblast Growth Factor Receptor*

Agnes Lee Ang (Ira Mellman/Mark Mooseker)  
*GTPases and the Control of Polarized Targeting in MDCK Cells*

Melissa Marcucci (Pietro DeCamilli)  
*Amphiphysin: a Key Regulator of Membrane Deformation*

Vasiliki Tsakraklides (Mark Solomon)  
*Cell Cycle Regulation: Comparison of Cak1p-like Cdk Activating Kinases & Function Analysis of Cdh1p*

### Genetics

Matthew Weed (Kenneth Kidd)  
*Embryos, Cloning, and Controversy: A Comparative Analysis of Research Policy in the United States and Great Britain*

Jennifer Gallagher (Susan Baserga)  
*Assembly and Function of the SSU Processome in Ribosome Biogenesis*

Dov Greenbaum (Mark Gerstein)  
*Comparing mRNA and Protein Abundance via Genomic and Proteomic Characteristics*

David Grimm (Michael Caplan)  
*Localization and Function of the Autosomal Dominant Polycystic Kidney Disease Proteins Polycystin-1 and Polycystin-2*

Peng Huang (Michael Stern)  
*Regulation of Fluid Balance by FGF Receptor Signaling in C. elegans*

### Experimental Pathology

Elayne Provost (David Rimm)  
*Mutation-Specific Behavior of Beta-Catenin*

Soo-Jung Lee (David Stem)  
*Mechanisms of Rad53 Activation in DNA Damage Checkpoint Pathways In Saccharomyces cerevisiae.*

### More Random photos. Top: Rick Lifton, chair of Genetics and Kris Kahle, MD/PhD student.  
*Middle: Tiffany Samaroo, Genetics. Bottom: Zareen Gauhar, MCDB. Photos courtesy of C. Mendenhall.*
Visual evidence that students really do graduate from Yale. Shown are photos from the May 24, 2004 Commencement at Woolsey Hall. Left: Jay Goodman and Amy Bany of Cell Biology. Right: Fatima DaCruz, MB&B; Elayne Provost, Ex. Pathology; Lisette Acevedo, Pharmacology; and Ayanna Cooper, Pharmacology. Photos courtesy of J. Alvaro
Dear B
Got a problem? Got questions? Just ask B. (Advice is for entertainment purposes only, and you have only yourself to blame if you follow any of the stupid suggestions.)

Dear B,
How come some students get to go to Woods Hole for the summer, and I have to stay here in New Haven?
-Bumming in Bass

Dear Bumming,
Why are you complaining? What does Woods Hole have that New Haven doesn’t? Ok, besides closer proximity to tourist attractions, less noise, cheaper parking, better weather, better seafood, better beaches...

Dear B,
I don’t have a question to ask. I just wanted to say that you give really crummy advice.
-Anonymous

Dear Anonymous,
I don’t have an answer to give. I just wanted to say that you wrote a really crummy letter.

Dear B,
Don’t the students who write for B have anything better to do with their time? Shouldn’t they be in lab like the rest of us?
-Always Working

Dear Always,
Winston Churchill led Europe through WWII, yet he somehow found time to bang out a world history book now and then. J.R.R. Tolkien was a super busy Oxford professor, yet he managed to write a book or three in his day. I guess if you were this talented, you too would find the time to write great prose.

Erica Ann Champion, Genetics
- I dunno. It’s *your* project.
- I have to go home. The Olsen twins are on Oprah.
- The only time I have to meet with you is from 4 to 5am, while I’m in the sauna. Naked.

Carrie Iwema, Postdoc in Neurosurgery
- I’m hiring a couple of new postdocs to work on the same project as you— whoever gets the data first can stay in the lab.
- Since I didn’t get the grant renewal, I can’t afford to keep everyone in the lab—so let the death match begin!!!
- So.....I’ve been thinking that we might BOTH benefit if I stay late and help you work on that experiment.....”wink, wink”

Caitlin Aptowicz, postdoc in Neurobiology
- I quit.

Rachel Anderson, MB&B
- Are you busy Friday night?
- Can I have the first dance at the holiday party?
- Good news - I just heard we’re rooming together at the departmental retreat.

Lara Ely, Microbiology
- Luckily, we caught the fire before it spread beyond your bench.
- Why don’t you dig last year’s samples out of the 14C waste and run them again?

Sierra Colavito, MCGD Track
- This time I promise. Just one more experiment before you graduate.
- Silly. OF COURSE grad students are supposed to write grants for their PI’s.
- Sure you can join my lab. But we decide who graduates by feats of strength.
- Sorry, you got scooped, and I’m not talking about ice cream.
- Our centrifuge broke, so from now on just hold your tubes, stick your arms out, and spin.

Matt Cabeen, MCGD Track
- Oops! I think I just stepped on your mouse.
- It’s your week to be the vortex.
- Yeah, I’m going to have to go ahead and ask you to move your desk down to storage B.
- You’re just going to have to choose between your family and this science.

Jeff Knight, Pharmacology
- My son is making a transgenic mouse for his science fair project. Will you supervise him?

Jennifer Round, MCD
- Space is getting tight - you don’t mind sharing your bench with a few undergrads, do you?

Aaron Lewis, Cell Biology
- Do you remember when I discussed your work with a friend of mine a few months back? Well he just published your paper in Science. Sorry.

Brian Tucker, MB&B
- I slept with your mom

Scott Boyle, MB&B
I’m taking a sabbatical to do some bench work. I’ll be sharing a bench with you.

continued on page 10

Members of the Picciotto lab and friends at a 4th of July party in East Haven. Photo courtesy of N. Horst.
The summer is here, and it’s hot! What better way to cool off than to get out on the water? In my opinion, nothing rivals the peaceful serenity of being on a sailboat. If you share these sentiments but lack the cash for that masted fiberglass fusion of form and function, then this installment of Trail Mix is just for you. The Yale Corinthian Yacht Club (YCYC) is a sailing facility that houses the Yale Sailing Team during the academic school year. Luckily for us, they open their doors to the Yale community (and the general public) for the summer!

Located a scant 10 minute drive away in Branford on Short Beach Cove, the YCYC offers twenty four 2-person sailboats (420’s) and some wind surfing equipment to round out your water bound experience.

Before you ditch out of lab and dart down there this afternoon, a summer membership is required - but is well worth the price. For Yale students, $175 will gain you unlimited access to these sailboats 7 days a week (Mon-Fri 12-8PM, Sat-Sun 10 AM–8 PM). For those with families, add an extra $50 and everyone can join the fun. Membership includes free guest privileges (so you and a friend can sail these 2-person boats), entrance to regattas with other local yacht clubs, and even an opportunity to enter the US Sailing Association championships.

Never sailed before? Not a problem. Lessons are available for beginner as well as intermediate/advanced sailors and wind-surfers. Beginner lessons are available on the weekends and more skill-honing lessons are offered Monday and Wednesday evenings. Lessons do come at an additional cost, but if you want to avoid the boom clocking you in the jaw when you’re tacking, you may want to consider them. If interested, be sure to sign-up for a lesson at the time of your membership enrollment for a discount (see www.yale.edu/ycyc/summer/ for details). For those with even modest sailing experience, navigating the single-sail 420’s should come with a pretty low activation barrier.

To get to YCYC from New Haven take I-95 to Exit 51 (Frontage Road). Take a right at the second traffic light onto Route 142 (Hemmingway Avenue). At the third traffic light turn left onto Short Beach Road (Texaco station is on the left). At the stop sign (Clark Avenue) hang a right and continue past the beach to YCYC immediately on your left. So cross your fingers for some decent wind and head on down there! 

View of Short Beach Cove from the Yale Corinthian Yacht Club clubhouse. Photo courtesy of J. Robblee.
Dear B,

Is it ok for a BBS student to date someone in the humanities?  
-Trolling for Love

Dear Trolling,

If you want to date someone who wears black turtle necks in summer, smokes a pack an hour, guzzles bad coffee, and waxes prolific on the deconstruction of existential thought in 19th century France, don’t let me stop you.

Dear B,

How can I convince my PI to spring for the trip to a conference that I’d really like to attend? 
-Travelboy in TAC

Dear Travelboy,

Although there are many really generous PIs out there, recent studies confirm that sometimes it’s easier to pass a kidney stone than it is to pry a dollar out of a PI’s hand. If your boss is particularly tight-fisted, try one of these two techniques to loosen his grip:

1. Cry loud and often until he can’t stand it anymore and gives in. If you need to, go to Toys-R-Us to pick up tips from the crying kids whose cruel parents won’t buy them the latest must-have Spiderman lego set. You know which one I’m talking about.

2. Stand outside TAC with a big sign that says “Beep, beep. My PI is cheap.” Invite the media to cover the protest, and encourage them to send their news choppers. If you’re lucky, live feeds will be broadcast on Fox News; and your PI’s Mom will wind up on the O’Reilly Factor telling the whole world about how he doesn’t even buy her a card on her birthday. You’ll probably get kicked out of the lab, but then you could blow off the meeting and go on a real vacation. B
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<th>TYPE OF EVENT</th>
<th>COST</th>
<th>DATE</th>
<th>TIME</th>
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**Summer Calendar**

- **New Haven Symphony Orchestra Picnic**
  - **Date**: July 24 - August 7
  - **Time**: 6:00 p.m. - 9:00 p.m.
  - **Location**: New Haven Green

- **Car Rally**
  - **Date**: July 31
  - **Time**: 6:00 p.m.
  - **Location**: New Haven Green

- **Cookout**
  - **Date**: August 29
  - **Time**: 6:00 p.m.
  - **Location**: New Haven Green

- **Summer Concerts on the Green: Pediatric Limeria**
  - **Date**: July 10 - August 13
  - **Time**: 5:00 p.m.
  - **Location**: New Haven Green

- **Lunchtime Concert Series**
  - **Date**: August 26, September 10
  - **Time**: 12:00 p.m.
  - **Location**: New Haven Green

- **New Haven Symphony Orchestra: Berries and Jam**
  - **Date**: August 17
  - **Time**: 7:00 p.m.
  - **Location**: New Haven Green

- **Hot Sounds in the City (see below)**
  - **Date**: August 21 - 29
  - **Time**: 7:30 p.m.
  - **Location**: New Haven Green
The new dean of the med school is Robert Alpern, M.D., former dean of the UT Southwestern Medical Campus.

Jon Butler, new dean of the graduate school and professor of History, met with the BBS executive committee and took a student-led tour of the med school in June to get a better idea of what it’s like to be a bioscience student.

BBS orientation will be on Monday, Aug. 30. The first day of classes will be on Wednesday, Sept. 1.

Congratulations to B alumnus Elayne Provost and postdoc Michael Wolfgang, both of Ex. Pathology, on their June 25th wedding.

Congratulations to Trish Strickler, Microbiology, who married Rhoel Dinglasan, MPH ’98, on May 1st.

Best wishes to Jared Odegard and Valerie Hand, both in Immunobiology, on their recent wedding.

Congratulations go to Randy Teel, Immunobiology, and Anna Drejer, Genetics who were married on July 2.

Congrats also to Michelle Banfill, MCGD Track, who recently married Jason Kudron.

Rumor has it that Josh Hunsberger, INP, recently married Tracy McNally. Congrats!

Final wedding congratulations to Jennifer Miller, MCDB, who married to Alvar Soosaar on June 12.

Best wishes to Vinny Idone, Microbiology, on his engagement to Tauna Saunders.

Congratulations to B staff member Nathanael McCurley, Immunobiology, and his wife, Tara, on the June 24 birth of their daughter, Noe Helena, 7 lb 8 oz.

Support our Sponsor!

See the ad on page 3 for more details.

The B magazine

“The WORST Things You Could Hear from Your PI” Contest

PART OF THE GREAT B-YOND: A SHOWCASE OF STUDENT CREATIVITY

We don’t know whether to laugh or cry over this one. So many entries came in, and they all sounded true! Congratulations to our winners. Prizes are available in the BBS office. We are indebted to our sponsor, Independent American, LLC, for providing the prizes.

1st Place - $30 Modern Apizza Gift Certificate

Sean Kim, Immunobiology  So, what lab are you in?

2nd Place - $20 Amazon Gift Certificate

Stefanie Lapetina, MB&B  It is never too late to start over.

3rd Place - $10 Atticus Gift Certificate

Charlotte Frank, Microbiology  During your thesis defense your advisor leans over to another professor and whispers: I’m glad I’m not her advisor.

Other Notable Entries (in random order)

Matt Us Cruadhlaioch, INP

That’s where they tell you to bring the carcasses, but we actually have a special arrangement with No Greasy, No Oily.

I need you to sub for me at clinic this morning. Don’t worry - the patients will think you’re a resident.

If someone from the I.R.B. asks about this, just feign ignorance.

Sure you can have a new UV face shield. That’s why they give you a stipend.

Kevin Rice, Pharmacology

Have you finished that experiment yet? How about now? Now! What about now?

I know you gave group meeting yesterday, but what have accomplished since then?

Maya Davis, Pharmacology

I have spoken to my shrink and decided not to do research anymore.

The feds are onto me.

Aravind Basavapathrini, Pharmacology

I love you.

I’m pregnant...with your baby.

Veronica Segarra, MB&B

What do you work on?

Oh, Wow, You’re still here? I thought you had already graduated.

Why did you pick this lab anyways? You shouldn’t have joined, you should have listened to all the rumors.

I don’t like your project. Did I really give it to you?

Aaron W. McGee, postdoc in Neurology

You saw which poster? Oh, I remember now, my ex-postdoc’s entire lab has been working on your thesis project for a couple of years.

Jared Odegard, Immunobiology

Can I help you with that experiment?

Craig Gibson, CMP

It looks like your project is finally taking off. Let me give it to the new postdoc.

But if I tell them you’re ready to graduate, who will make the coffee?

Lab meeting will now begin with a lap around the block.

The grant’s running out. Work faster.

I just submitted a grant with that data of yours. Can you reproduce it yet?

Tine Herreman, Genetics

Did you see that article in Science? They did exactly what you’re doing.

Sean Kim, Immunobiology

(Conversation at adjacent urinals in the men’s bathroom) So, anything new to report?

Anindita Sinha, Microbiology

I think your thesis project is no longer relevant.

I just received a grant, based on data that you will have in two weeks. Get busy!

The reviewers hated your paper. They liked the font though.

The only impossible thing in this lab is to impress me.

I wonder if it would help if you solved the crystal structure of each intermediate in this six step reaction scheme.

Nate Sherer, Microbiology

Nate, why do you want to graduate? This is the best time of your career!

more contest entries can be found on page 8