

# UPBM E-NEWSLETTER

Undergraduate Program in Biology and Medicine

UPBM E-NEWSLETTER March 2014

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**March 2014**

SUBS T-Shirt Design and Logo by Lauren Vigneau Available Now!

## Society for Undergraduate Biology Students (SUBS)

### Mission / Upcoming Events / T-Shirts 4 Sale

**SUBS Mission:** "Our purpose is to promote faculty-student interaction, to serve as a guiding force for Biology majors/interests, provide networking opportunities through events, and to cater to the needs of the membership through member input."

**Stem Cell Awareness Week March 21st - 28th** The 7th Annual Stem Cell Research Awareness Week (SCRAW) is presented by SUBS and it is a week of events that are aimed at raising awareness and funds to help support stem cell research. More information about this year's events will be posted in the next UPBM e-Newsletter.

**Club Rochester Mad Scientist Happy Hour March 21st** A great place to meet, eat and relax with students, faculty and staff. Enjoy delicious free appetizers and low cost beverages at our monthly happy hour! The Club meets on Fridays from 4:00pm – 5:30pm in Meliora Salon D. Further details will be e-mailed as we get closer to the date.

**SUBS T-Shirts:** Pictured above, are now available for purchase at \$10 each. Acceptable forms of payment are cash and check (made payable to the UR).

**Sweet how do I get one?** Fill out the the [SUBS on-line T-shirt order](#). The UPBM office will e-mail confirmation to let you know if the size(s) requested are in stock and to come and pick them up from Hutchison 488.

### Related

- \* [SUBS web site](#)
- \* [SUBS T-shirt Order Form](#)

## Interested in Studying Abroad

### New Brochure with Information on Student Abroad Programs for Biological Science Majors

Myths and perceptions about biology majors and pre-med students not being able to studying abroad are debunked in the [Office of Study Abroad's new on-line brochure for biology majors](#).

The brochure contains information on how pre-med students can fit overseas studies into their academic plans, provides links to recommended programs for biology majors, and gives tips on how to get started.

Visit the online brochure and/or better yet, contact the [Office of Study Abroad](#) to meet with one of their advisor's to discuss options.

#### Related

[Study Abroad Office](#)

[Study Abroad Brochure for Students Majoring within the Biological Sciences](#)

## National Collegiate Research Conference (NCRC)2014

### UPBM Majors Showing Them How It's Done / New Perspectives by Yanhan Ren '14, BMG



UPBM majors Harris Weber '15, BCD, Nirlipta Panda '14, BNS, Sarah Joseph, '14, BMG, and Yanhan Ren '14, BMG, showed up and showed out at this year's NCRC conference.

Below is Yanhan Ren's article published in The Buzz the describes how his experience at the Conference allowed him to gain insight into problem solving through different perspectives.

I plan to attend to medical school in the future. This conference not only helped me to get to know how students who are at my same age are working on, but also created a platform of communication and networking. It is highly possible that we will meet with each other again after graduation. Therefore, getting to know other students created endless possibilities of collaboration.

I am really excited with the innovation challenge part. Normally I would approach a question from a biological perspective. But NCRC allowed me to solve a current hot topic with people from different fields. For example, we formed a group 6 with students from the fields of biology, chemistry, mechanical engineering, computer science and political science. We proposed the use of decentralized electrical energy supplies to individuals living in the third world countries. One of the students working in mechanical engineering part suggested the use of flow-cells because it would store electricity more efficiently than lithium batteries. Other students from the chemical engineering filed proposed the installment of solar panels on roofs to provide these people with hot water and electricity. At the end, people can sell back their energy back to the government, creating a sustainable cycle of green energy. We made a poster at the end to express our ideas and thoughts. It was a great challenge but I enjoyed the moments of brainstorming and the clashing of ideas with my teammates.

The conference not only offered a point of view from the research perspective, but also created a view from the industry and business fields. We have companies such as Novartis, Bio-rad, De Shaw, and Schlumberger coming to the conference, offering internships and jobs to us. They also organized workshops and discussion groups to allow us better understand how the field of industry and business works. They also gave many examples on how individuals like us, coming from a strong scientific field, can benefit from industry and business. For instance, the Dean of Harvard Undergraduate Research have a MD-PHD degree but worked in De Shaw, an investment company for 15 years. She expanded the beautiful combination of research and industry together and how it benefited her life.

This research conference also helped me to realize what I am in need of at this moment. Rochester is a great school for research studies. Nevertheless, big cities on the coastal areas such as Boston, New York, Washington DC and San Francisco have even more to offer. For my gap year before my application to medical school, I will be pursuing a master degree in medical science in Boston University while conducting research in Boston Medical Center.

To future attendees: Do not hesitate to attend this conference. 40 dollars for food and registration is the best deal you will ever find! :). This conference even helps you to plan your career path. People from all fields such as natural sciences, social sciences, and humanities are attending this conference. Talk to them and talk with the keynote speakers, you will find their words and ideas will change your mind. If you don't

know what you want to do with you future, come to Harvard NCRC and experience the life in research as well as the life in industry and business.

My name is Yanhan Ren, I am a liaison for future Harvard NCRC events. If you have any further questions, please contact me at 585-754-1337 or email me at [yren6@u.rochester.edu](mailto:yren6@u.rochester.edu).

Related:  
[NCRC Website](#)

## Seniors: Pictures for Senior Slide Show & Theme Song Needed

### Biology Department Diploma Ceremony (BIO, BCD, BEB & BMG Majors)

The Senior Slide Show is a Biology tradition and is viewed each year during graduation at the Department Diploma Ceremony .

This is a great way to have one last laugh or cry with your classmates and of course show your family what an awesome time you had at the UR. However, we need pictures and a theme song to make this happen.

The pictures and theme song should represent your experiences with your colleagues and of course....be tasteful. Feel free to type in comments, names, titles..it's all good.

Need a visual? Visit the [senior slide show from 2013](#).

Help make the senior slide show a huge success and e-mail your pictures and theme song suggestions to the UPBM administrator before May 1st, 2013.

Details about this year's Diploma Ceremony will be forwarded to majors next month.

Related  
[Commencement 2014 Website](#)  
[Senior Slide Show from 2013](#)

## Rochester Science Cafe Talks at Barnes and Noble, Pittsford Plaza

### Message from Dr. Goldfarb / Next Event March 25th

Since 2009 I have been co-organizing the Rochester Science Cafe with a physicist at RIT, Joshua Faber. These public face-to-face conversations with Rochester's leading scientists are held throughout the academic year at the Pittsford Barnes & Noble Bookstore on the 4th Tuesday of most months. These events are suitable for everyone, including young teenagers. Our cafes have been supported by a grant from NASA.

Please bookmark our website for information about past and future cafes. <http://sciencecaferochester.blogspot.com>  
[\[sciencecaferochester.blogspot.com\]](http://sciencecaferochester.blogspot.com)

Hope to see you at the March 25 cafe: "**Visual perception as a window to brain function**" by Dr. Duje Tadin, Ph.D. Associate Professor Brain and Cognitive Sciences and Ophthalmology, Center for Visual Science University of Rochester

**ABSTRACT:** To which task is the biggest part of your brain devoted? It is not memory, nor is it reasoning. It is actually visual perception. About a half of the human cortex is involved in processing visual stimuli. This helps explain why even though humans lag far behind machines in memory and computing power, our vision is far superior to even the most advanced computer vision. Understanding vision gives us insights into a wide range of brain functions. My own research has revealed that a simple visual task can strongly predict IQ scores, that as we enter old age some aspects of our vision become enhanced, and that visual tasks where individuals with autism show superior performance may reveal important cues about autism. Join me for a discussion about visual perception as well as questions you may have about the brain and vision.

Related  
[UR Transit Schedule](#)  
[Barnes & Noble, Pittsford, Google Map](#)

**World Premier of Informed Consent at Geva Theatre**  
**Students Invited to Special Event on March 28th**

**Student tickets available for World Premier of *Informed Consent***

**WHAT:** A World Premier of *Informed Consent*  
**WHEN:** Mar 28. Student price: \$27  
**WHERE:** [Geva Theatre Center](#), 75 Woodbury

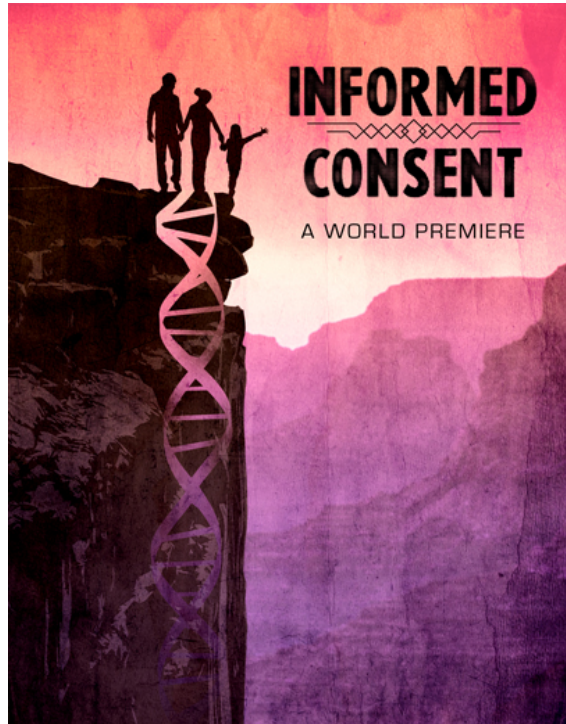
*Based on a true story of the Havasupai Tribe, **Informed Consent** looks at the personal and national debate about DNA research and responsibility. An ambitious geneticist is hired to solve why a Native American tribe is being devastated by diabetes. However, the research opens up issues of genetic “ownership” and threatens to destroy the tribe’s most sacred traditions. This heartwarming and honest tale explores the question of just how much knowledge is too much.*

Author: Deborah Zoe Laufer  
 Director: Sean Daniels

Students are invited to attend a special event sponsored by the Friends of Ganondagan on **Friday, March 28** for the reduced rate of **\$27**.

Schedule

6:30 – 8:00pm	Dessert and coffee
7:00 – 7:20pm	Prologue play preview
8:00 – 9:30pm	<i>Informed Consent</i> performance
9:30 – 10:00pm	Talk-Back panel discussion



To purchase tickets, bring a check for \$27 made out to Geva and your University ID to

**Medical Center:** Chris Donnelly, Division of Medical Humanities & Bioethics, MRBX G-11137, 275-5800  
**River Campus:** Jennifer Sherwood, Multidisciplinary Studies Center, Dewey 4-209B, 276-5305

*Deadline for ticket purchases is the end of business on March 21.*

**NOTE: URM C Ethics Conference with the Author: March 5, 12pm, 2-6408**

*Presenting Sponsor:* Rochester Clinical Research. *Event Sponsor:* The Pike Company and Tom and Ebets Judson. *Reception Sponsor:* Genesee Regional Bank. *Patron Sponsors:* John Ninfo and Judith Ranaletta and Madeline H. Schmitt & Michael P. Farrell. *Educational Sponsors:* University of Rochester Educational Partners: Division of Medical Humanities & Bioethics, School of Medicine and Dentistry; Clinical and Translational Science Institute, URM C; Council for Diversity and Inclusiveness in the School of Nursing; University Committee for Interdisciplinary Studies (UCIS) Cluster for Health and Human Values and Cluster in Genetics; Office of Graduate Education & Postdoctoral Affairs, School of Medicine and Dentistry; University Office for Faculty Development and Diversity; Office of Faculty Development and Diversity, School of Medicine and Dentistry; Department of Anthropology; and Program in Public Health-Related Majors.

## Opportunities

Have any of these opportunities worked for you?

E-mail the [UPBM Office](#) with your feedback. Positive and negative feedback are welcome.

[Alaskan Observers North Pacific Ground Fish Observer](#)  
[North Pacific Ground Fish Observer Position Openings](#)

[Albert Einstein College of Medicine](#)  
[Summer Undergraduate Research Program](#)

[Amgen Scholars](#)  
[Amgen-UROP Scholars Program](#)

[Amgen Scholars](#)  
[Program Homepage](#)

[Case Western Reserve University](#)  
[Summer Programs](#)

[Case Western Reserve University](#)  
[Summer UG Research in Pharmacology](#)

[Chicago Center for System's Biology](#)  
[Research Experiences for Undergraduates Summer Program](#)

[Cincinnati Children's Hospital](#)  
[Summer Undergraduate Research Fellowship \(SURF\)](#)

[Cold Spring Harbor Watson School of Biological Sciences](#)  
[Summer Undergraduate Research Program](#)

[Columbia University](#)  
[IGERT Research Program for Undergraduates](#)

[Columbia University / Barnard College](#)  
[Amgen Scholars Summer Research Program](#)

[Cornell University](#)  
[Boyce Thompson Institute for Plant Research Internships](#)

[Cornell University, College of Agriculture & Life Science](#)  
[Summer Research Scholars Program](#)

[Deutscher Akademischer Austausch Dienst \(DAAD\)](#)  
[Research Internships in Science and Engineering \(RISE\)](#)

[Duke University / Robert Noyce](#)  
[Teacher Fellowship Program](#)

[Fred Hutchinson Cancer Research Center](#)  
[Summer Undergraduate Research Program](#)

[Fred Hutchinson Cancer Research Center](#)  
[Internships in Scientific Research or Medicine](#)

[Fulbright Scholarship](#)  
[US Student Program](#)

[Gerstner Sloan-Kettering](#)  
[Summer Undergraduate Research Program](#)

[Harvard Medical School](#)  
[Summer Undergraduate Research Internship Program](#)

[Harvard School of Public Health](#)  
[Summer Program in Biological Sciences Public Health](#)

[Homeland Security DHS Education Programs](#)  
[HS-STEM Summer Internship Program](#)

[Institute for Health Metrics and Evaluation \(IHME\)](#)  
[Post-Bachelor Fellowship](#)

[Louisiana University Marine Consortium](#)  
[Summer Field Course Information](#)

[MATCH Education](#)  
[Teacher Residency](#)

[Mayo Clinic](#)  
[Summer Undergraduate Research Fellowship](#)

[MedLife](#)  
[Volunteers](#)

[Michigan State Veterinary](#)  
[Enrichment Summer Program](#)

[Nemours/Alfred I. duPont Hospital for Children and Nemours Office of Health Equity and Inclusion](#)  
[Summer Undergrad Research Scholarship](#)

[New York State Dept. of Environmental Conservation](#)  
[Summer Employment Opportunities](#)

[One Hear Source](#)  
[Volunteer Opportunities in Africa](#)

[Projects for Peace](#)  
[Kathryn W. Davis Summer Fellowship](#)

[Research Internships in Science and Engineering RISE](#)  
[Deutscher Akademischer Austausch Dienst \(DAAD\)](#)

[Roswell Park Cancer Institute](#)  
[Summer Research Programs](#)

[SUNY Oswego Global Laboratory](#)  
[Summer Science Research Abroad](#)

## Opportunities ... continued

Teach for America  
[Opportunities](#)

Texas Tech University Health Sciences Center  
[Summer Accelerated Biomedical Research Internship](#)

The Chicago Center for Systems Biology Summer REU  
[Summer REU Program in Systems Biology](#)

The Nature Conservancy  
[Careers](#)

The UNCF Merck Science Initiative  
[Science Scholarships and Fellowships](#)

University of Chicago  
[REU Program in Computational Neuropsychiatric Genomics](#)

University of Iowa  
[Summer Undergraduate MSTP Research Program](#)

University of California Berkeley  
[Amgen Scholars UG Summer Research Program](#)

University of Missouri  
[Summer Internship Programs](#)

University of Notre Dame Environmental Research Ctr.  
[Summer Programs](#)

University of Rochester  
[Research Positions](#)

University of Rochester, UG Program of Bio & Medicine  
[deKiewiet Summer Fellowship](#)

University of Tennessee Knoxville  
[Summer Research Experience for Undergraduates \(REU\)](#)

University of Texas South Western  
[Summer Undergraduate Research Fellowship SURF](#)

University of Utah  
[Undergraduate Research Programs](#)

West Virginia University Center for Neuroscience  
[Summer Undergraduate Internship SURI Program](#)

World Teach  
[Opportunities](#)

## Helpful Links and Resources

### This -n- That

[Athletics](#)  
[Biology Department](#)  
[Center for Study Abroad & Interdepartmental Programs](#)  
[Counseling Center](#)  
[Dining](#)  
[Directory](#)  
[Employee Discounts](#)  
[Gwen Green Career and Internship Center](#)  
[Facilities](#)  
[Information Technology](#)

[Journal Of Undergraduate Research \(JUR\)](#)  
[Kaplan Test Prep and Admissions](#)  
[Libraries](#)  
[Pre-Med and Allied Health Professions Advising](#)  
[Research Connections Newsletter](#)  
[Rochester Academy of Science](#)  
[Undergraduate Program in Biology & Medicine](#)  
[Undergraduate Research Office](#)  
[University Health Services](#)

## Contact Us

Please feel free to send submissions and / or any feedback to the [UPBM Office](#)

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