Bio Department Ugly Sweater Contest 12/15/14 - picture by Cheeptip Benyajati

Left - Right: Yuliya Ablaeva, Sina Ghaemmaghami, Bob Minckley, Dragony Fu, Andrei Seluanov, Tom Eickbush, Danna Eickbush, Brenna Rybak, Michael Van Meter

**Happy Holidays Biology Style**

Who says Biologists don’t know how to have fun?

The photograph above was taken at the Biology Department Holiday Party where many of the faculty outdid themselves competing for the title of Best Ugly Sweater.

The competition was fierce as there were two categories “Best Un-Altered” and Best “Hand-Made”. “Un-altered” meaning this beautiful garment had already been hanging in their closet. “Hand-Made” implies there was a vision, possession of a glue gun, and tireless effort.

The winner of the best “un-altered” sweater was snagged by Dr. Bob Minckley while Drs. Tom and Danna Eickbush took home the prize for best “hand-made” sweater. Dr. Minckley dawned a cropped number reminiscent of the 80’s and the Eickbush ensemble incorporated pipets and other elements from Bio labs.... definite crowd pleasers. See page six for a closer look.

As you head home for much needed R and R be sure to check out this issue of UPBM e-news to see what opportunities lie ahead in the spring semester and peruse recent additions made to the “Opportunities” section.

Have a fabulous and above all safe holiday season and we will see you next year.

By Marianne Arcoraci & Dr. Cheeptip Benyajati.
Biology Department Pipet Holiday Tree on Display in Hutchison 402. Decorated by Heather LeBleu '16, BCD

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deKiewiet Fellowship Summer 2015
Letters of Intent Due 3/2/15 / Proposals Due 3/16/15

The de Kiewiet Summer Research Fellowships are designed to give University of Rochester students in the B.S. and B.A. Tracks in the Program in Biology and Medicine an opportunity to obtain substantial research experience in the laboratories of Program Faculty.

de Kiewiet Fellows work for ten weeks during June, July, and August (6/1/15 - 8/3/15) in the lab of their research mentor and present a poster in the UPBM Poster Session in October of their fellowship year. Fellows receive a $4000 stipend this period.

Application Process: Officially declared UPBM juniors are invited to apply. The application process is competitive as there is a limited amount of openings available. Candidates will be required to write a letter of intent, two essays, a research proposal and obtain two letters of support.

The letter of intent is due Monday March 2nd, 2015. While the essays, research proposal, and letters of support will be due on the first Monday after Spring Break March 16th, 2015. A statement from the candidates research advisor regarding the authorship of the proposal will also be due on the 16th as well.

Research Advisor’s Statement of Authorship: While some guidance from the faculty research mentor is expected the student is responsible for the authorship of their proposal. The research advisor should e-mail a brief statement addressed to the UPBM Committee explaining how much of the de Kiewiet Research Fellowship Proposal was written by the student and how much was contributed by the faculty member. Statements should be e-mailed directly from the faculty to Marianne Arcoraci by the proposal deadline on March 16th, 2015.

Applicant Review: The scientific quality of research proposals, essays, letters of recommendations, and the student’s academic status will be reviewed by the UPBM committee. Applicants are welcome to submit an additional letter to the committee to support their candidacy if desired.

Results will be communicated to the applicants by the end of the first week in April.

Finding Mentors / Getting Started: It is the student’s responsibility to find a program faculty member who conduct research within their area of interest and will agree to sponsor them during the summer.

Whether a student is already working with a faculty member or a search needs to be conducted it should be planned well in advance so there is ample time for the faculty and students to prepare. Visit the Independent Research Website for tips and resources on Finding a Research Mentor.

Related
deKiewiet Formal Proposal Guidelines
2014 deKiewiet Photo Album
Finding A Research Mentor
UPBM Calendar for AY 2014-15
UPBM Poster Session 2014 Slideshow
Receiving honors in research recognizes a student for outstanding accomplishments in scientific discovery. Students majoring in the Undergraduate Program in Biology and Medicine (UPBM) with research of exceptional quality and a minimum BIO GPA of 2.7 may apply for candidacy during their senior year. Candidates must have developed a novel body of work that includes publication quality data from which to generate a senior thesis. In addition, candidates must successfully present and defend their senior thesis before a faculty examination committee.

Planning of a senior thesis generally begins before or at the beginning of the senior year. Students should consult both their major/track coordinator and research advisor beforehand. Students may use research obtained through Independent Research (395) courses, fellowships, internships, and voluntary work to compose their senior thesis.

Data collected from other institutions outside of the university may be used to support a portion of the thesis; “however, all facts and figures reported as results in the thesis must be derived by the candidate, and must be part of the collaboration with the UR faculty who is overseeing the writing of student’s thesis”.

A defense committee for a senior thesis consists of three UR faculty members who work within a relevant field of study and are qualified to examine the candidate’s thesis. Research mentors will need to give at least 1 - 2 names of faculty whom they feel are an appropriate fit and would be willing to serve on the committee. These recommendations should be included on the application for candidacy.” All recommendations require the review and approval of the candidate’s academic advisor.

Interested students must submit an application for candidacy to the UPBM office (Hutchison 488) with the endorsing signatures of both their research mentor and major/track coordinator by Monday, March 2nd, 2015. Please note that students do not need to register an Independent Research (395) course to do a senior thesis unless necessary to complete experimentation.

Candidates will need to facilitate the formation of their defense committees by working with their faculty advisor to identify and reach out to faculty to invite them to serve. Faculty members to serve on the defense committee should be discussed when students meet with their advisors to have their applications for candidacy approved. Candidates will need to report the names of their committee to the UPBM Office by Monday, March 23rd.

It is the responsibility of the candidate to contact the defense committee members to schedule a date and time. Candidates should initiate this process as soon as the examination committee is formed as it may be difficult to coordinate a mutual date, time and conference room by Friday April 10th, 2015. Final arrangements should also be communicated to the UPBM office by 4/17/15.

Senior thesis papers should be a minimum of 20 pages in length and written as a scientific paper using supporting text, diagrams, figures, and properly noted references. Candidates must provide copies of their thesis to each of their committee members and the UPBM office at least one week in advance of their thesis defense. Please note that failure to comply may result in the cancellation of the defense.

Students should prepare a 20-minute presentation and should be prepared to answer questions during an oral examination. If the committee agrees, the seminar may be open to guests; however, the oral examination will be closed.

The thesis defenses must be completed and the results communicated to the UPBM office in writing by the end of the first week in May, Friday May 1st, 2015. Upon successful completion “Honors in Research” will be noted on transcripts and a certificate awarded at the student’s diploma ceremony.

Last year twenty one UPBM majors from the Class of 2014 defended a senior thesis.

Please contact Marianne Arcoraci with questions.

Related Links:
Timeline for Planning a Senior Thesis
Downloadable Application for Candidacy
UPBM Calendar for AY 2014-15
INTERNSHIP IN LONDON THIS SUMMER

EPA Internship Information from Lisa Frauens / Summer Deadline: February 16th, 2015

EPA Internships in Europe offer academic internship opportunities for Biology Majors in Medical Research, Hospital Administration and Public Health.

“My internship in Health Care Administration was better than I could’ve imagined! I was able to shadow an anesthesiologist in the operating room as well as create podcasts for medical students. It was a tremendous learning experience, and I would highly recommend this internship to anyone following a pre-medical track or anyone interested in public health.”

- by Brittany Porter, Intern with University College London Hospital

“Magical: the only word to accurately describe my experience. My internship gave me a valuable perspective on international healthcare that I have been able to apply to academic and professional experience since my return to America.”

- by Teel Liddell, Intern with UK Dept. of Health

Deadline for summer applications is February 16th, 2015.

Visit the EPA Internship Website or contact Lisa Frauens directly for more details.

Related:
Office of Study Abroad
EPA Internship Website

STUDY ABROAD

Schedule of Information Sessions for Spring Semester Due Out Soon

The Office of Study Abroad encourages interested students to attend an information session.

The spring information session schedule will soon be made available at the study abroad website at the following URL: http://www.rochester.edu/College/abroad/. Be sure to visit the study abroad website frequently to find out when it has been posted.

Related:
Office of Study Abroad

SHARING MEANS CARING

Newsletter Submissions Welcome

Chances are things that interest you may also be of interest to your colleagues. Please contact the UPBM Office with your contributions and/or ideas to incorporate into our future newsletters.
Picture Pages

SUBS / UPBM Pizza Study Break (12/15) and BIO Department Ugly Sweater Contest (12/12)
Opportunities

★ Any feedback on these programs greatly welcomed (positive or negative).

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)

Cleveland Clinic Center for Reproductive Medicine
Summer Internship Program

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

Davis Projects for Peace
Kathryn W. Davis Summer Fellowship

Deutscher Akademischer Austausch Dienst (DAAD)
Research Internships in Science and Engineering (RISE)

Duke University / Robert Noyce
Teacher Fellowship Program

EPA Internships
Medical Research and Health Science Internships Available in Europe!

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

NASA Space Radiation Summer School
Summer 2015 Program

National Collegiate Research Conference (NCRC)
NCRC 2015 Applications

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 Heart Source
Volunteer Opportunities in Africa
One Start
Your chance to win US$150k to realize your biotech business idea

PIRG - Job Openings for Graduating Seniors
http://jobs.studentpirgs.org/

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

Teach for America
Opportunities

Texas Tech University Health Sciences Center
Summer Accelerated Biomedical Research Internship
Tulane University
Graduate Program in Biomedical Sciences

The Chicago Center for Systems Biology Summer REU
Summer REU Program in Systems Biology

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, RC Libraries
Research Initiative Award for Undergraduates

University of Rochester, UPBM
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

Woodrow Wilson Fellowships
Stem Teaching

World Teach
Opportunities

Helpful Links
This -N- That

Athletics
Biology Department
Center for Study Abroad & Interdepartmental Programs
Center for Excellence Teaching and Learning
Counseling Center
Dining
Directory
Employee Discounts
Gwen Green Career and Internship Center
Health Professions Advising Office
Facilities
Information Technology

Journal Of Undergraduate Research (JUR)
Kapalan Test Prep and Admissions
Libraries
My4Org - Your campus cheat sheet
Research Connections Newsletter
Rochester Academy of Science
Student Fellowships Office
Undergraduate Program in Biology & Medicine
Undergraduate Research Office
University Health Services
Writing Speaking and Argument Program

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