



see blue.™

## eUreKa! E-Newsletter, Vol X

### Deadlines

#### Call for Letter of Intent to Submit to *Kaleidoscope*

Dates for 2010:

**April 22, 2010:** Complete submission delivered electronically to the editor

**June 2010:** Notification of acceptance/rejection and instructions for suggested/required revisions Information may be found at [www.uky.edu/kaleidoscope](http://www.uky.edu/kaleidoscope)

#### Boren Scholarship Opportunity

Boren Awards: the **Boren Scholarship** for undergraduates (<http://www.borenawards.org/>) - the Boren awards are for study abroad in countries and intensive study of languages deemed critical to US National Security interests; some awards may be made for Spanish & French for STEM majors (see website). The deadline is **February 10, 2010**.

#### Applications are now being accepted for Summer Undergraduate Research and Creativity Grants.

Approximately 15 grants up to a maximum of **\$2,000 each** will be awarded. Funds may be used as the recipient chooses. Don't miss out on this great opportunity.

**Eligibility:** Any UK undergraduate in good academic standing returning to UK in the fall of 2010 who has a UK faculty sponsor may apply. Both individual projects and joint ventures have been endorsed by the selection committee, which is also interested in funding interdisciplinary efforts.

**Applications:** Visit the eUreKa! website for registration materials and guidelines at <http://www.uky.edu/EUREKA> or an application may be obtained at [www.uky.edu/EUREKA/URCG/index.htm](http://www.uky.edu/EUREKA/URCG/index.htm) or pick up applications in the eUreKa! office in 115 Bowman Hall.

**Application Deadline: February 25, 2010** (applications should be submitted to the office of eUreKa!, 115 Bowman Hall. Electronic versions may be submitted to [eureka@uky.edu](mailto:eureka@uky.edu).)

Questions: contact Evie Russell (859) 257-6420 or email: [evie.russell@uky.edu](mailto:evie.russell@uky.edu)

#### 2010 Nanotechnology Summer Undergraduate Research Experience (SURE)

The University of Massachusetts Amherst is [seeking applications](#) for the 2010 program. Applications are due by **February 28, 2010**. Selected students will spend 10 weeks, from June 1 to August 1, 2010, engaged in cutting-edge nanoscale device development research projects with faculty mentors and graduate student lab mates. Funding from the National Science Foundation provides each student with a \$3,400 stipend, lodging, travel to campus, and a number of activities and events outside the lab. Women and persons from underrepresented groups are strongly encouraged to apply. Contact the SURE program director at [massnanotech@research.umass.edu](mailto:massnanotech@research.umass.edu) for additional information

#### Beckman Scholars Program

application process is now open and the **deadline to apply is March 5th**.

To apply, a student must be a sophomore or junior at UK, majoring in Chemistry, Biology, or a closely related discipline (such as chemical engineering or agricultural biotechnology), and have already completed at least one semester of research experience, and must carry out his or her Beckman research in the lab with an approved mentor. The list of mentors, along with further application information can be found at the following link: <http://www.uky.edu/Beckman/>

All materials must be submitted electronically.

## Deadlines Continued

### Oswald Research and Creativity Program

Deadline: **March 11, 2010**

Deadline for Fine Arts and Design: **March 31, 2010**

Registration forms are now available in the Office of eUreKa, 115 Bowman Hall or at our web site [here](#). Any current UK undergraduate (full- or part-time, enrolled for either semester) who does not already have a four-year degree is eligible for this competition and is invited to submit papers and other projects in the following categories:

1. Biological Sciences
2. Design (architecture, landscape architecture, interior design, etc.)
3. Fine Arts (film, music, painting, sculpture, videotape, etc.)
4. Humanities: Creative
5. Humanities: Critical Research
6. Physical and Engineering Sciences
7. Social Sciences

Entry forms, official rules, and further information about the competition may be obtained at <http://www.uky.edu/EUREKA/oswald/>

### FY 2010 Summer Undergraduate Research Fellowship (SURF) - NIST GAITHERSBURG

National Institute of Standards and Technology, Department of Commerce

The SURF NIST Gaithersburg programs are soliciting applications in the areas of Electronics and Electrical Engineering, Manufacturing Engineering, Nanoscale Science and Technology, Chemical Science and Technology, Physics, Materials Science and Engineering/ Neutron Research, Building and Fire Research, and Information Technology. The SURF program will provide an opportunity for the NIST laboratories and the National Science Foundation (NSF) to join in a partnership to encourage outstanding undergraduate students to pursue careers in science and engineering.

The objective of the SURF Programs is to build a mutually beneficial relationship among the student, the institution, and NIST. This opportunity will offer unique research and training opportunities for undergraduates, providing them a research-rich environment and exposure to state of the art equipment.

**Closing Date: Feb 16, 2010**

**Link to Full Announcement**

<http://www.surf.nist.gov/pdf/ffo.pdf>

### 5th Annual Showcase of Undergraduate Scholars

[http://www.uky.edu/EUREKA/Showcase/REGISTRATION\\_2010.html](http://www.uky.edu/EUREKA/Showcase/REGISTRATION_2010.html)



**5TH ANNUAL SHOWCASE OF UNDERGRADUATE SCHOLARS**

**Registration is now open: January 18-March 10, 2010**

Apply Online at:  
[www.uky.edu/EUREKA/Showcase/REGISTRATION\\_2010.html](http://www.uky.edu/EUREKA/Showcase/REGISTRATION_2010.html)

Students across campus will be showcasing their research and creative works. Register now to present your talents.

**Date: April 28, 2010**  
**Time: 9am - 2pm (Setup)**  
**4pm - 7pm (Showcase)**

All undergraduate students are encouraged to publicly display, perform, and/or demonstrate their creative design, development, research, performance, and achievements. Oral presentations are also welcomed.

**sour**  
School of  
Undergraduate  
Research

**eUreKa!**

### Call for Applications/Nominations: 2010-11 ASTRONAUT SCHOLARSHIP

The **Astronaut Scholarship** is a \$10,000 award for outstanding students who exhibit motivation, imagination, and exceptional performance in science, technology, engineering, or mathematics (STEM) disciplines at selected schools including UK.

Eligible candidates are **rising juniors, rising seniors, and students entering graduate school (master's level only) at UK** who are **U.S. citizens**.

Students must be nominated by faculty members familiar with their work. Two letters of recommendation are required in sum, one of them being from the 'nominating' faculty member. Students interested in being nominated should approach their faculty members and discuss the award opportunity with them.

To be considered for nomination, please submit materials by **4 p.m., Tuesday, February 23, 2010**: <http://www.astronautscholarship.org/scholarship.html>

See attachment for further information

## Events

### National Student Exchange

**Priority application deadline: Wednesday, February 17**

Students can go to one of nearly 200 colleges in the U.S., Guam, Puerto Rico or the Virgin Islands and pay UK tuition! That's right, students pay UK tuition to go to another amazing campus within the U.S. and its territories.

Students can exchange for a semester or a year and this is the perfect time to participate.

More Details:

Students must have a 2.75 UK cumulative GPA

Students must have completed at least 12 hours at UK

Check out all the schools and other great information at [www.nse.org](http://www.nse.org)

### 3rd Annual Multicultural Health Careers Open House

Feb.6, check-in at 10 a.m., event from 11 a.m.-3:30 pm, 104 Wethington Building - The UK Health Professions Colleges annual Open House is open to any undergraduate or graduate student interested in Health Careers. Registration online only at [www.uky.edu/omsa/health.htm](http://www.uky.edu/omsa/health.htm). Complimentary lunch provided. More info 859-257-5196.

### Spring Internships with the Sierra Club!

**Internship:** The Sierra Club's Coal-Free Campus Campaign is hiring student interns for the winter/spring semester. Internships will provide students with invaluable experience in grassroots environmental advocacy organizing. Internship areas include, but are not limited to: media relations, grassroots campaigning, coalition building, and events coordinating.

Full information is available at: <http://oes.posterous.com/>

**Apply Here:** <http://spreadsheets.google.com/viewform?formkey=dFF6aVdZDQ3OU9zMiBFEX0VQSWtkN2c6MA>

### ANATOMY OF THE MCAT' FREE WORKSHOPS

**Free Score-Raising Strategies Section by Section!**

**March 2, 2010**

A team of specialist instructors will dissect the MCAT' subject by subject and share strategies designed to improve your score on each section of the exam.

Come see for yourself why Princeton Review students **improve their scores by an average of 10 POINTS**. Based on 2009 survey comparing reported pre-course MCAT' or diagnostic test to post-course MCAT.

**Tuesday, March 2<sup>nd</sup>, 2010 | 7:00PM – 9:00PM**

**University of Kentucky**

**\* exact location TBA**

Register online at [PrincetonReview.com/Anatomy](http://PrincetonReview.com/Anatomy) or call 800-2REVIEW.

This is an extremely popular event and seats fill quickly. **RESERVE YOUR SPOT TODAY!**

## Student Opportunities

### Summer Research Scholars Program

Cornell University's Department of Plant Pathology and Plant-Microbe Biology in Geneva, students can participate in research projects within the discipline of plant pathology and plant-microbe biology. Details may be found at:

<http://www.nysaes.cornell.edu/pp/scholars/>

**Deadline: February 15, 2010**

### Project L/EARN at Rutgers

will accept 10 students this year who are minorities, first generation college attendees or who are from low-income families. Participants will assist faculty with research projects and attend daily research training classes. They will receive the cost of tuition, room and board, a stipend of \$3,900, and three academic credits. For more info:

<http://www.rwjf.org/humancapital/product.jsp?id=54828>.

**Deadline: Feb. 16, 2010**

### The Gilman Scholarship Program

will be piloting a special Summer 2010 award cycle for STEM disciplines. This is a study abroad opportunity. For information, visit:

[http://www.iie.org/Content/NavigationMenu/Programs7/Gilman\\_Awards/Home8/PilotSummer2010FactSheet.pdf](http://www.iie.org/Content/NavigationMenu/Programs7/Gilman_Awards/Home8/PilotSummer2010FactSheet.pdf)

**Deadline: April 6, 2010**

## REU & Other Opportunities

### University Of Kentucky Undergraduate Research Program (UKURP)

UKURP creates student/faculty partnerships that support the development for teaching and engaging undergraduate students.

If you are participating in scholarly work with a faculty mentor, please register with the database. For more information, visit <http://www.research.uky.edu/aspnet/vsprojects/ukurp/UKURPStudents.aspx>

### NASA

offers opportunities to students at all grade levels. To view a list of current opportunities, visit <http://www.nasa.gov/audience/forstudents/postsecondary/index.html>.

### Student Research Opportunities

<http://www.research.uky.edu/students/index.html>

### Database for NIH summer opportunities

<https://science.education.nih.gov/SummerScience.nsf/Index.htm>

### \*\*National Science Foundation (NSF)

funds a large number of research opportunities for undergraduate students through its REU Sites program. An REU Site consists of a group of ten or so undergraduates who work in the research programs of the host institution. Each student is associated with a specific research project, where he/she works closely with the

faculty and other researchers. Students are granted stipends and, in many cases, assistance with housing and travel. Undergraduate students supported with NSF funds must be citizens or permanent residents of the United States or its possessions. An REU Site may be at either a US or foreign location.

For more information: <http://www.nsf.gov/crssprgm/reu/index.jsp>.

### St. Jude Children's Research Hospital

<http://www.stjude.org/poe/>

POE (Pediatric Oncology Education) at St. Jude program. The Pediatric Oncology Education program at St. Jude Children's Research Hospital is funded by the National Institutes of Health / National Cancer Institute. The POE program offers a unique opportunity for students preparing for careers in the biomedical sciences, medicine, dentistry, pharmacy, allied health, and veterinary medicine to gain biomedical and oncology research experience. The POE program provides a short-term training experience (internship) in either laboratory research or clinical research.

## REU & Other Opportunities

### The Epcot Science team

is looking for college students and recent graduates (within 6 months of Bachelors degree) to participate in a fun and challenging six-month internship in several different agricultural and science education fields.

They are currently looking for students to fill internships for the Fall 2010 (mid-June 2010 – early January 2011) and the Spring 2011 terms (late-December 2010 to late-June 2011).

Interested students should email a cover letter, resume, school transcript, and one letter of recommendation to

[wdw.epcot.science.internship@disney.com](mailto:wdw.epcot.science.internship@disney.com). Selected students will be interviewed via phone by a Walt Disney World representative to further discuss the internship.

Please go to <http://disneyinterns.com> <<http://disneyinterns.com/>> and click on “Walt Disney World® Resort,” and select “Apply Now,” then choose “Animal Programs/EPCOT Science.”

When addressing correspondence, please include the name Les Frey to ensure timely and efficient mail delivery.

### REU at University of Maryland:

University of Maryland is seeking applications for Scholars to become integral members of 5 team-based research projects in computer security coordinated by faculty in the A. James Clark School of Engineering and College of Computer, Mathematical, and Physical Sciences. Students majoring in engineering, computer science, math, and physical science are strongly encouraged to apply.

Teams conduct research from June 1 through August 6, 2010. The program offers multiple tiers of mentorship and training in team skills and project organization, as well as addressing issues of concern to women in science and engineering. Each Scholar receives a \$4,000 stipend, \$300 food allowance and housing. Funding is available for transportation. Please review the Computer Security REU website at <http://www.wic.umd.edu/undergrad/reucomps.html> or contact Dr. Paige Smith ([pcsmith@umd.edu](mailto:pcsmith@umd.edu) or 301-405-3931) for more details.

This program is funded by the National Science Foundation and the Clark School of Engineering’s Department of Mechanical Engineering and Women in Engineering Program.

### Kentucky History Museum Internships

Several opportunities available at <http://www.kymuseums.org/jobopportunities.asp>

### US Dept of Education Internships

available during academic yr & summer. The Department has internships available for interested students throughout the school year. Internships provide students with an experience in government through real work responsibilities. An application to participate in the Department's program and additional information can be found at <http://www.ed.gov/students/prepare/job/intern/index.html>

### The Oak Ridge Institute for Science and Education (ORISE)

is committed to increasing diversity in science, mathematics, engineering, and other technical fields. It is their mission to attract a widely diverse applicant pool for their federal sponsors who offer education and training experiences. As a result, they offer fellowships, scholarships, internships, and research experiences. Information is available at: <http://sec.ornl.gov/>

### Summer Undergraduate Program in Engineering Research at Berkeley (SUPERB) -

Contact: <http://www.coe.berkeley.edu/departments/cues/superb/index.html>; [cblf@berkeley.edu](mailto:cblf@berkeley.edu) Eligibility: Open to underrepresented students focusing in Civil, Electrical, and Mechanical Engineering. Award: \$3,500 stipend and \$600 traveling allowance  
**Deadline: February 13**

### Summer Research Opportunities at Virginia Tech

REU Site: Modeling and Simulation in Systems Biology (MSSB) <http://biomath.vbi.vt.edu/>; Bioengineering and Bioinformatics Summer Institute (BSI) <http://www.bsi.sbes.vt.edu/>; REU Site: Microbiology in the Post Genome Era <http://microbiologyreu-ret.vbi.vt.edu/>; Multicultural Academic Opportunities Program (MAOP) <http://www.maop.vt.edu/>

### Opportunities at Virginia Tech For Prospective Graduate Students

Assistantship opportunity: "Transdisciplinary Team Science in the Life Sciences" <https://www.vbi.vt.edu/ts>;

Fellowship opportunity: VT-Initiative to Maximize Student Diversity (VT-IMSD) <http://www.imsd.apsc.vt.edu/>; For the graduate program, degrees are granted through Virginia Tech.

For a specific specialization please see the Genetics, Bioinformatics and Computational Biology graduate program ([https://www.vbi.vt.edu/education\\_and\\_outreach/educational\\_programs/graduate](https://www.vbi.vt.edu/education_and_outreach/educational_programs/graduate)) or the Virginia Tech Departments of Mathematics, Computer Science, Physics or Biological Sciences.

## REU & Other Opportunities

### Research Experience for Undergraduate Students at University of Missouri.

Students with majors in animal sciences, biology, biochemistry, chemistry, plant sciences, or related fields are encouraged to apply. All programs run for 9 weeks (Wednesday, June 2 - Friday, July 30), Students selected for these programs live in on-campus, air-conditioned housing (double rooms), and receive a full meal plan, covered by the program. Summer interns also are provided with funds to cover one hour of academic/research credit, travel to and from Columbia, MO and a stipend of \$3400.

Application due **February 12, 2010**.  
<http://undergradresearch.missouri.edu/>

### Cornell University LSAMP Summer Undergraduate Research Program

is accepting applications!  
[www.engineering.cornell.edu/lisamp](http://www.engineering.cornell.edu/lisamp)

**Deadline: March 1, 2010**

### Maryland Sea Grant's Research Experiences for Undergraduates in Estuarine Science

is a 12 week program during summer 2010 from May 23 to August 15. <http://www.mdsg.umd.edu/REU>  
 Applications due: **February 17, 2010**

### 2010 Nanotechnology Summer Undergraduate Research Experience (SURE)

The University of Massachusetts Amherst is seeking applications for the SURE program.

<http://www.umass.edu/massnanotech/SURE.htm>

**Deadline: February 28, 2010**

### The Renewable Energy MRSEC REU program at Colorado School of Mines

invites exceptional undergraduate math, science, and engineering students to participate in a ten-week summer research program. **Deadline: March 1, 2010**. Contact Dr. Chuck Stone at [cstone@mines.edu](mailto:cstone@mines.edu) or (303) 273-3762 for more information.



Join the Society for the Promotion of Undergraduate Research (SPUR) on the Big Blue Network.

An active student organization that seeks to provide opportunities for undergraduates interested in engaging in scholarly work with faculty. We serve as student mentors, host workshops, panel discussions, and the Showcase of Undergraduate Scholars.

BBN Website: <http://networkblue.uky.edu/group/SPUR> or visit us at the SPUR website: <http://www.uky.edu/eureka/spur>

SPUR email: [SPUR.UK@gmail.com](mailto:SPUR.UK@gmail.com)

SPUR is also on Facebook under groups.

Click image to go to group



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