

\*\*This is a 2008 RT listserv message. Remember, if you want to respond to an individual, do not use the "Reply" button. Instead, use the "Forward" button and cut-and-paste the individual's email address in the "To" field.\*\*

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**2008 RT NEWS 19 – September 12, 2008**  
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1. Deadlines
2. RT Program News
3. Resources
4. Opportunities
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**1. DEADLINES** *(As always, feel free to submit any of the following earlier than the deadline!)*

- a. **Monday, September 15: "Summer of Science" 1-pager**
- b. **Monday, September 29: PhUn Week Event Planner** *(optional, but highly encouraged!)*

**2. RT PROGRAM NEWS**

a. **"Summer of Science" 1-pager Assignment:** Email to Mel ([mlimson@the-aps.org](mailto:mlimson@the-aps.org)) with the filename: "LASTNAME-SummerofScience" - You guys have been great! Thanks ;-) The assignment is posted: <http://www.the-aps.org/education/2008rts/assignment.shtml>

b. **Physiology Understanding (PhUn) Week 2008:** Consider inviting your Research Host into your classroom during PhUn Week 2008, the first week in November! See program information, resources, and downloadable presentations at: [www.PhUnWeek.org](http://www.PhUnWeek.org). Hurry, limited freebies (sportpacks, key carabiners, and squeeze hearts) are already being rsvp'd! Help reach the goal of reaching out to at least 5,000 students. Event Planners, for your first dibs on the freebies, are due no later than September 29 (optional activity for the fellowship): <http://www.phunweek.org/pages/phun05a.shtml>

c. **Mini-Grant Applications:** Thanks to the majority of you who have submitted your APS Mini-Grant Applications! The applications are currently under review...if awarded, you'll receive your checks in several weeks with detailed instructions on your expense vouchers. Don't forget that your mini-grant will only fund the items that you requested. Any significant changes from the time of application, receipt of check, and purchase of items, must be approved through the APS Education Office (email Mel: [mlimson@the-aps.org](mailto:mlimson@the-aps.org)).

d. **Lesson/Activity Development:** Congratulations to everyone for submitting your full draft to Mel! You will receive detailed feedback (requirements and suggestions) from us in the months ahead, but keep in mind that you can go ahead and field test your activity in the meantime. (See section **2.e.** below for Assignments #4 and #5).

e. **Assignment #4/5:** The assignments on Curriculum Development, Field Testing/Peer Review are posted on the 2008 RT webpage: <http://www.the-aps.org/education/2008rts/assignment.shtml>  
Assignment #4 (Field Testing/Peer Review Results) is due no later than November 24.  
Assignment #5 (Readings and Reflection) is due no later than December 31.  
**WISE:** <http://wise.berkeley.edu/>

**f. Quick links to the 2008 RT Webpages:**

Homepage link: <http://www.the-aps.org/education/2008rts/index.shtml>  
Mini-grant application forms: [http://www.the-aps.org/education/2008rts/mini\\_grants.shtml](http://www.the-aps.org/education/2008rts/mini_grants.shtml)  
Assignments: <http://www.the-aps.org/education/2008rts/assignment.shtml>

### 3. RESOURCES

#### *...from Research Studies*

##### **- Is Quercetin a Flu Fighter?**

APS Press Release: <http://www.the-aps.org/press/journal/08/27.htm>

APS Podcast, Life Lines (Episode 13): [www.lifelines.tv](http://www.lifelines.tv)

Mice given quercetin, a naturally occurring substance found in fruits and vegetables, were less likely to contract the flu, according to a study published by The American Physiological Society. The study also found that stressful exercise increased the susceptibility of mice to the flu, but quercetin canceled out that negative effect.

##### **- Snow White and the Eighth Factor**

<http://www.whatayear.org/>

From the Massachusetts Society for Medical Research. In this month's issue, we look at work that is focused on getting a deeper, better understanding of Hemophilia A, a serious clotting disorder. It turns out that coagulation is a really complex process...and a defect in any of the numerous processes may have serious consequences. In particular clotting Factor VIII is deficient in people with Hemophilia A. The goal of a team of researchers at Albert Einstein College of Medicine is to find out precisely where in the liver Factor VIII is produced. That might then lead to therapies for the 20,000+ Americans with Hemophilia A and the tens of thousands worldwide with the disease.

#### *...on Careers in Laboratory Animal Science*

##### **- North Carolina Association for Biomedical Research (NCABR)**

[www.aboutbioscience.org/bc\\_title.html](http://www.aboutbioscience.org/bc_title.html)

For the past year, the North Carolina Association for Biomedical Research has been developing a series of video vignettes about careers in laboratory animal science, which now are available on NCABR's Bioscience Clearinghouse Web site. The videos, each of which runs about three and a half minutes, are targeted toward middle and high school teachers and students and correspond to three career profiles - animal research facility manager, laboratory animal technician and laboratory animal veterinarian. They are accompanied on the Web site by PDFs of the career profiles and a PDF of a teacher educational materials guide that includes lesson plans to use in the classroom.

##### **- Free! Downloadable Coloring Book: The Lucky Puppy**

[http://www.ncabr.org/biomed/bio\\_resources/luckypuppy.html](http://www.ncabr.org/biomed/bio_resources/luckypuppy.html)

NCABR's The Lucky Puppy was the first coloring workbook in the nation to describe the process and excitement of scientific research, and to explore the role of animals in this process. This 20-page booklet tells the story of a brother and sister who take their sick puppy to a veterinarian. The veterinarian explains to the children how research enables him to choose the correct medicine to make the puppy well. Included in the booklet are activities and puzzles related to the storyline. The Lucky Puppy is designed specifically for young children ages 6 to 9 and is suitable for classroom or home use.

#### *...on Equity and Diversity*

##### **- Does high-stakes testing increase cultural capital among low-income and racial minority students?** <http://hub.mspnet.org/index.cfm/16061>

From the NSF's Math and Science Partnershet Network Hub (MSPnet Hub).

##### **- Tracking the Reasons Many Girls Avoid Science and Math**

<http://www.sciencedaily.com/releases/2008/09/080905153807.htm>

From ScienceDaily.com

#### *...for the Classroom*

**- The Neuroscience for Kids "Site of the Month" for September** is "Grey Matters. From Molecules to Mind" at: <http://www.ucsd.tv/greymatters/>

A series of 15 lectures (each about 60 minutes in length) "to enhance public awareness of recent developments in brain research." Produced by UCSD-TV, Grey Matters lectures can be watched online in streaming video. Many of the videos have additional resource materials, including a biography of the neuroscientist who gives the lecture, questions about the material to test your understanding, short video clips, links for further reading, and lesson ideas.

#### 4. OPPORTUNITIES

- **Search Grant Wrangler: "Find Funding Fast for K-12 Schools"**

<http://www.grantwrangler.com/index.html>

- **2008 Kids in Need Teacher Grants**, Deadline: Sept. 30

<http://www.kidsinneed.net/grants/guidelines.php>

Provides funds for classroom teachers who have innovative, meritorious ideas.

#### 5. LISTSERV INFORMATION

- We hope you will use the 2008 RT listserv to share resources and ideas and to ask questions of your fellow RTs. Please take a minute to review the information about how this listserv works at the 2008 RT website: <http://www.the-aps.org/education/2008rts/listserv.shtml>. Also listed on this page are your fellow RTs' email addresses, as well as each of these APS RT News in pdf form.

**As always, feel free to directly contact Mel ([mlimson@the-aps.org](mailto:mlimson@the-aps.org)) in the APS Education Office with questions, suggestions or concerns.**