

\*\*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 40 – February 27, 2009**  
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### 1. DEADLINES

- **Friday, Mar 6:** Email these EB-related details to Scarletta ([swhitsett@the-aps.org](mailto:swhitsett@the-aps.org)):

- a. Poster information (also, send your submitted abstract in a Word document).
- b. Frontiers Awards Luncheon RSVP
- c. Guest pass info (see RT News.38 for details)

- **Tuesday, Apr 21:** WISE Assignment #7

### 2. RT PROGRAM NEWS

**A. WISE Assignment #7:** <http://wise.berkeley.edu>. You should have received WISE Assignment #7 by email directly from Mel last Friday. Take your time on this one, but begin to intentionally and meaningfully reflect on your fellowship experience over this past year, and how that has impacted you in your own teaching and learning.

**B. EB Posters: Congratulations to Monica** for having her lab group's abstract accepted for poster presentation (also, from last week: Jenn D. and Jonathon)! Final call...

> **If you were a first author** on a submitted abstract for poster presentation, you should have received notification on the date, block of time, and poster location. Send the details to Scarletta no later than Monday, March 6: [swhitsett@the-aps.org](mailto:swhitsett@the-aps.org)!

> **If you were not a first author, but part of a lab group on the abstract**, double check with your Research Host and send Scarletta the same details.

> **If you did not submit an abstract**, you will all be able to visit and support each other in the poster section (hundreds!) of the Exhibit Hall! We're gathering all the RT presentation times and locations on one list.

### C. EB PREPARATIONS:

- **Is your Research Host contributing any funds to your travel reimbursement?**
- **Are you bringing a guest to EB?**
- **Are you cleared to miss a few days of school on April 20<sup>th</sup>-21<sup>st</sup>, and maybe the 18<sup>th</sup> or 22<sup>nd</sup>?**
- **Did you RSVP for the Frontiers Award Luncheon yet?**
- **Are you getting psyched for New Orleans?! ;-)**

Review RT News.38 (February 13<sup>th</sup>) for preliminary planning:

<http://www.the-aps.org/education/2008rts/pdfs/APS%202008%20RT%20News.38.pdf>

### At-a-Glance EB 2009 Schedule (REQUIRED attendance):

**Sat, April 18:** RT Orientation Session (3:30pm, snacks) and Opening Reception (5:30-8pm, reception food...good enough for dinner!)

**Sun, April 19:** PhUn Week Training Session (9am-11am, continental breakfast)

**Mon, April 20:** Teacher-Student Workshop (8am-4pm, morning beverages, boxed lunches, snacks)

**Tue, April 21:** Frontiers Awards Luncheon with your Research Host (12-2pm, lunch)

If you have any **OTHER** questions or concerns related to EB 2009 at this point, please cc email Brooke ([bbruthers@the-aps.org](mailto:bbruthers@the-aps.org)) and Mel ([mlimson@the-aps.org](mailto:mlimson@the-aps.org)).

**D. Are you having a SCIENCE FAIR this spring?** If so, invite your Research Host to participate as a judge! We have an award packet (one per science fair) for the student with the best physiology-related project. The award packet includes an APS t-shirt and a certificate. See program details at: <http://www.the-aps.org/education/sciencefair/> or contact Scarletta: [swhitsett@the-aps.org](mailto:swhitsett@the-aps.org).

### 3. RESOURCES

#### *On APS Research...*

- **APS Study on Mental Fatigue and Exercise:** <http://www.the-aps.org/press/releases/09/6.htm>

A new study from The American Physiological Society finds that when participants performed a mentally fatiguing task prior to a difficult exercise test, they reached exhaustion more quickly than when they did the same exercise when mentally rested. Mental fatigue did not cause the heart or muscles to perform any differently; instead, our "perceived effort" determines when we reach exhaustion. The next step is to look at the brain to find out exactly why people with mental fatigue perceive exercise to be more difficult. These findings could become a research model to help those with chronic fatigue.

#### *For the Classroom...*

- **Explore the Ocean with Google Earth:** <http://earth.google.com/ocean/>

(Excerpt from a Duke University press article): Ocean in Google Earth uses images obtained from satellite imagery, undersea photography and global information system 3-D technology to enable users to "dive" beneath the surface of the sea and explore the ecosystems, species and geologic features found there.

- **Blogging biology** (from The Scientist)

**A high school biology teacher brings Web 2.0 into the classroom**

<http://www.missbakersbiologyclass.com/>

High school biology teacher Stacy Baker was sick of waiting by the photocopier to make handouts for her students. So in 2006, she launched a website, [missbakersbiologyclass.com](http://www.missbakersbiologyclass.com), to serve as central repository for class notes, pictures, and extra credit assignments. At first, the site was simply an online extension of her classroom, and information flowed strictly one-way: teacher to pupils. But Baker wanted the site to be more than that; she wanted to engage her students in the full interactive potential of the Internet. So she transformed the site into a participatory blog, and let her students take it over.

#### *Special Events...*

- **2009 Brain Awareness Week: March 16-22**

You might want to have a neuroscientist visit your class or schedule a brain fair for your school. You can find a neuroscientist for your class at the Society for Neuroscience Web site at: <http://www.sfn.org/baw/>

- **National DNA Day 2009, April 25:** <http://www.ashg.org/education/dnaday2009.shtml>

**4th Annual National DNA Day Essay Contest, Deadline: March 16, 2009**

**2009 Essay Questions:** (1) Some traits come in two varieties (for example, Mendel's round and wrinkled peas with the green and yellow colors). Do all traits for all species come in only two varieties? Justify your answer by explaining the relationship between genes and traits.

(2) What is (are) the cause(s) of human health and disease? Explain your answer using one or more specific examples.

### 4. OPPORTUNITIES

#### *For Students...*

- **eSchool News: New Student Videos Wanted:** <http://www.eschoolnews.tv/>

eSchool News founded the Student Video Network (SVN) to give students across North America the chance to experience what it's like to be real news anchors and reporters. Encourage students to create

and submit video samples that illustrate how they handle breaking news coverage. More details on the website!

### ***For Teachers ...***

#### **- 2009 AAAS Leadership in Science Education Prize, Deadline: April 24**

[http://www.aaas.org/aboutaaas/awards/hs\\_scied\\_leadership/hs\\_scied\\_leadership.shtml](http://www.aaas.org/aboutaaas/awards/hs_scied_leadership/hs_scied_leadership.shtml)

Help spread the word about an outstanding science teacher in your school or district. AAAS is now accepting nominations for the 2009 AAAS Leadership in Science Education Prize for High School Teachers. This \$1,000 prize honors a high school science teacher who has contributed to the AAAS goal of advancing science education by developing an innovative and effective strategy, activity, or program. In addition, the winner will be invited to attend and make a brief presentation at the annual Shanghai International Forum on Science Literacy of Pre-college Students as a guest of the Shanghai Association for Science and Technology.

#### **- High School Teachers and Students Invited to Apply for Lemelson-MIT InventTeam Awards Deadline: April 24: <http://web.mit.edu/invent/>**

Created by the Lemelson-Massachusetts Institute of Technology Program, the InvenTeam initiative gives high school students an opportunity to cultivate their creativity and experience invention. InvenTeams are comprised of high school students, teachers, and mentors who invent technological solutions to real-world problems. InvenTeam students rely on inquiry and hands-on problem solving as they apply lessons from science, technology, engineering, and math to develop invention prototypes. InvenTeam projects span many fields, from assistive devices to environmental technologies and consumer goods. Applicants are encouraged to consider the needs of the world's poorest people (those earning \$2 or less per day) when considering ideas.

#### **- The 21<sup>st</sup> Century Classroom, Deadline: May 1**

<http://cdwg.discoveryeducation.com/1208/>

Think about how The 21st Century Classroom - interactive whiteboard, notebook computers, wireless cart, projector, printer and document camera - could extend your teaching power.

Enter once per day for your chance to win one of five Grand Prize packages including a 21st Century Classroom and a \$5000 digital media grant from Discovery Education. Plus, over 25 additional technology prizes!

### **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.**