

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.

=====
2008 RT NEWS 38 – February 13, 2009
=====

1. Deadlines
2. RT Program News
3. Resources
4. Opportunities
5. Listserv Info

1. DEADLINES

- **PAST DUE: Monday, Feb 9: WISE Assignment #6: Revise a "Cookbook" Lab**
- **Friday, Feb. 13:** If you've been authorized to book your travel, email Scarletta your flight plans.

2. RT PROGRAM NEWS

A. WISE Assignment #6: <http://wise.berkeley.edu>. Congrats to the half of you who completed the assignment on time! For the other half, please remember to complete this assignment no later than Wednesday, February 18. The next and final WISE Assignment (#7) will be forthcoming next week.

B. 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.

C. EB PREPARATIONS: TO READ and DO NOW!

- **EB Release Time:** Remind your Principal and/or Supervisor that you will be attending the EB 2009 Conference in New Orleans, and that you will be missing a few days of class. We have their original letters of support for intended release time (remember the "School Administrator" form in your application package?!), so if they need a gentle **reminder from the APS**, just let Mel know as soon as possible: mlimson@the-aps.org.

- At-a-Glance Preliminary Schedule:

Sat, April 18: RT Orientation Session (3:30pm) and Opening Reception

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

Mon, April 20: Teacher-Student Workshop (full day, 8am-4pm)

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

- **EB Travel Funds:** Did your Research Host indicate on your original application that s/he would provide some or all of your maximum \$1000 travel reimbursement? You need to check your original application! If so, touch base with your Research Host NOW to ask him/her what the process entails, e.g. submit your receipts to the Research Host directly or submit to the APS who will then invoice your Research Host. Whatever the case and whatever the source (Research Host or APS), your maximum travel allowance is \$1000 of ACTUAL travel expenses, and that includes airfare booked through Globetrotter. (We track that and will subtract that from your allowance when you submit the paperwork.) If you have any specific questions, please email Brooke directly: bbruthers@the-aps.org.

- **EB Posters: 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! **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.

- Frontiers Awards Luncheon: You will soon be receiving formal invitations in the postal mail to the Frontiers Awards Luncheon in honor of you and your Research Host (he/she will be receiving their own invitations) on Tuesday, April 21. Your immediate family can be included as a guest(s) if they are joining you in New Orleans. Please email your rsvp or any questions to Scarlettta no later than Friday, March 6: swhitsett@the-aps.org.

- EB Guests: If you are planning to bring a **guest** to visit the Convention Center (for instance, for visiting your poster if you are presenting), a guest pass will be required. Please email Scarlettta: swhitsett@the-aps.org no later than Friday, March 6 with the following information to coordinate a pick-up and return of the guest pass badge from the on-site APS Office at the Hilton Hotel.

1. Name (and relationship)
2. Purpose of request
3. Date and specific time period
4. Whether or not the person is a teacher

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

3. RESOURCES

Research...

- For Patients With Cirrhosis, Inflammation May Be Common Thread Behind Nervous And Heart Rhythm Problems - Findings may have application to bipolar disorder, post-menopausal depression: <http://www.the-aps.org/press/releases/09/3.htm>

A new study from The American Physiological Society finds that inflammation may be the common thread behind nervous and heart rhythm problems in cirrhosis. Inflammatory molecules known as cytokines can lead to the neurological and cognitive abnormalities and changes in heart rhythm found in patients with cirrhosis of the liver. The results of the study may also apply to other conditions where heart rate variability is also decreased, such as bipolar disorder and post-menopausal depression.

Liver cirrhosis is the seventh leading cause of death in the United States, taking 25,000 lives per year. It is often the result of alcohol over-consumption or exposure to hepatitis C, either of which can damage the liver and prevent it from filtering toxins. These toxins then accumulate in the blood stream and eventually reach the brain where they disrupt neurological and mental performance, a condition known as hepatic encephalopathy.

Celebrate Black History Month...

...in February by learning about African American and other minority Physiologists/Scientists on the APS Careers webpages and other linked resources:

<http://www.the-aps.org/careers/careers1/MiddleHigh/mminbio.htm>

- The Faces of Science: African Americans in the Sciences

<https://webfiles.uci.edu/mcbrown/display/faces.html> -

A collection of profiles from Mitchell Brown, a research librarian at the University of California, Irvine.

- Black History Month: Innovation and Creation

http://www.teachermagazine.org/tm/section/curric-resources/2008/01/30/cn_blackhistory_web.h19.html

- Black Inventor Online Museum

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

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/>

4. OPPORTUNITIES

For Teachers...

- Win up to \$15,000 for innovative STEM programs, Innovation Generation Grants, Deadline: Feb. 15: <http://www.motorola.com/content.jsp?globalObjectId=8153>

From eSchool News: Motorola is calling for applications for the 2009 Innovation Generation Grants, the technology company's signature giving program. Innovation Generation Grants support programs that inspire and cultivate the next generation of inventors and innovators by making science, technology, engineering and math (STEM) accessible and relatable to students at any age.

- Society for Science & the Public Fellows Program, Deadline: Feb. 15

<http://www.societyforscience.org/outreach/Index.asp>

Society for Science & the Public (SSP), with generous support from Intel, is pleased to announce the launch of its Fellows Program. The SSP Fellows Program provides funds and training to selected U.S. science and math teachers who serve under-resourced students, to enable interested and motivated students to perform high-quality independent scientific research.

- Intel Schools of Distinction Award, Deadline: Feb. 17

<http://www.intel.com/education/schoolsofdistinction/index.htm>

From Grant Wrangler: In order to be considered for an Intel School of Distinction award, schools must develop an environment and curricula that meet or exceed benchmarks, including national mathematics and science content standards. Eighteen schools – three elementary, three middle, and three high schools in each of two categories (math and science) - will be selected as Finalists and receive \$2,500 from the Intel Foundation. Six winners - one elementary, one middle, and one high school in each of the two categories - will receive \$10,000 and more than \$100,000 in products and services from sponsors. One of the six winning schools will be chosen as the Star Innovator and receive an additional \$15,000 grant from the Intel Foundation as well as additional products and services.

- The 21st 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) in the APS Education Office with questions, suggestions or concerns.