

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 37 – February 6, 2009
=====

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

1. DEADLINES

- **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

EB 2009 Travel: For those of you authorized by Mel to book your flights to New Orleans, you should have received our EB 2009 Travel Memo earlier this week. Although we receive a copy of your itinerary from Globetrotter, please also email Scarletta your flight plans (swhitsett@the-aps.org).

All the EB 2009 travel documents are posted on your 2008 RT webpages:

<http://www.the-aps.org/education/2008rts/eb2009.shtml>

*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...

- **Life Lines, a podcast of the APS: Episode 18: Where Love Begins,** <http://lifelines.tv/>

If you give chocolates to your beloved on valentine's day, chances are they will be in a heart-shaped box. We usually associate love as being seated in the heart. But as recent studies by neuroscientists show, love is actually very much in our heads. Lucy Brown, a neuroscientist at the Albert Einstein school of medicine, has studied romantic love using functional magnetic resonance imaging. Dr. Brown will talk about her studies on what happens in our brains at different stages of love: falling in love, being rejected by a lover, and longterm love.

- **Research model may one day "inoculate" elderly against slip-related falls**

<http://www.the-aps.org/press/releases/09/2.htm> - Training people to avoid falls by repeatedly exposing them to unstable situations in the laboratory helped them to later maintain their balance on a slippery floor, according to a new study from the Journal of Neurophysiology. The study, from the University of Illinois at Chicago, furthered the understanding of how the brain develops fall prevention strategies that can be generalized to a variety of conditions. The research could eventually help people, including the elderly, for whom falling is an important health issue.

- **Joint Pain?** http://www.whatayear.org/02_09.html - from the Massachusetts Society for Medical Research. Of the 100 or so types of arthritis, osteoarthritis is probably most familiar. Cartilage separating bone from bone falters and the synovial fluid surrounding the joint disappears. Pain accompanies this degeneration, pain that can range from manageable to unbearable.

Dr. Di Chen and his colleagues at the University of Rochester Medical Center study the Frzb gene in an attempt to understand the mechanisms of failure, with the hope of one day finding cures, not just palliative treatments.

For the Classroom...

- **The HaloEd Project, a website dedicated to biotechnology education:**

<http://halo4.umbi.umd.edu/~haloed/> - from the University of Maryland Biotechnology Institute

On Education News...

- **"We Will Restore Science to its Rightful Place... Transform Schools, Colleges and Universities"** - from *NSDL's Whiteboard Report*. On January 11, 2009 the National Science Board (NSB) issued "National Science Board STEM Education Recommendations for the President-Elect Obama Administration," and sent them to Obama's Transition Team. President Obama's inaugural address reflected not only the concerns of the NSB, but included those of the entire nation.

Click here to view full article: http://content.nsd.org/wbr/Issue.php?issue=current#id_00

Related Link: http://nsf.gov/nsb/publications/2009/01_10_stem_rec_obama.pdf

On the Teaching Profession...

- **Too Much Teaching?** *From Teacher Magazine Update:* A new report says that U.S. teachers average a significantly greater number of classroom-teaching hours per year than their counterparts in top-performing European and Asian countries, and thus have less time for planning and collaborative, job-embedded professional development activities that are common elsewhere. What's your reaction? Are U.S. teachers given too great a teaching load? Do you wish you had more time during the school day to work with colleagues on instructional issues? What would you do with 15-20 hours of non-teaching time per week? [Join the discussion forum by clicking here.](#)

4. OPPORTUNITIES

For Teachers...

- **The Lowe's Outdoor Classroom Grant Program, Deadline: Feb. 13**

Lowe's Charitable and Educational Foundation

<http://www.lowes.com/lowes/lkn?action=pg&p>AboutLowe's/outdoor/index.html>

Lowe's Outdoor Classroom Grant Program provides hands-on science education to K-12 students. This school year, the program will award up to \$2,000 to at least 100 schools to build a new outdoor classroom or to enhance a current outdoor classroom at the school.

- **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.