

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 27 – November 7, 2008
=====

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

1. DEADLINES

- **Monday, November 24:** WISE Assignment #4: Field Testing/Peer Review Results
- **Monday, December 1:** Final version of Lesson/Activity
- **Wednesday, December 31:** WISE Assignment #5: Readings and Reflection; Spend Mini-Grant

2. RT PROGRAM NEWS

a. Applications are now available for the 2009 Frontiers in Physiology Fellowship Program!

Spread the word. Download and share the one-page recruitment flier (pdf), "Brief 2009 Fellowship Overview." Visit the "News and Events" box on the Frontiers homepage: <http://www.frontiersinphys.org/>

b. PhUn Week Events started this past week: <http://www.phunweek.org/>

c. Experimental Biology (EB) 2009 Abstract Submissions: Who submitted an abstract with their Research Host? Let us know!

d. Quick links to the 2008 RT Webpages:

Homepage link: <http://www.the-aps.org/education/2008rts/index.shtml>

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

3. RESOURCES

...On Technology

- **Report assesses K-12 online learning** (*from eSchool News*)
<http://www.eschoolnews.com/news/top-news/?I=55790>

- **Be on the Science Channel!**

<http://science.discovery.com/brink/submissions/submissions.html>

Be on *Brink*, the Science Channel's upcoming show that is looking for homemade science videos.

...On Research

- LifeLines, a podcast of the APS: <http://www.lifelines.tv/>

Episode 14: Halloween Science. Interviews with J. Allan Cheyne of the University of Waterloo on Sleep Paralysis, Alexandra Shapiro and Phillip Scarpace of the University of Florida on Leptin Resistance and Obesity, Lawrence I. Gilbert on Halloween Genes and Bret H. Goodpaster on Exercise, Diet and Older People.

Episode 15: Can Turkey Make You Sleepy? Why do we feel sleepy after a big Thanksgiving meal? Is there something in the turkey? Are cranberries good for our kidneys? These are two of the questions our experts will explore. Chris I. Cheeseman of the University of Alberta will talk about tryptophan in turkey. L. Lee Hamm of Tulane University School of Medicine will discuss what the research shows about cranberries and kidney health. Kevin Heffernan will talk about his study, aimed at trying to uncover why African-American men have a higher rate of hypertension than white men. The research team from the University of Illinois, Urbana Champaign, found some early signs of vascular damage in young, healthy

African-American men and found that measuring central blood pressure may be a better way of identifying those at risk.

- Light Up Your Brain

http://www.whatayear.org/11_08.html

From the Massachusetts Society for Medical Research. In studying the brain, it would be very helpful to identify individual neurons and other structures. Dr. Jeff Lichtman and his colleagues at Harvard have developed techniques to add color as a tool for enabling better brain developmental research. Dubbed "Brainbow," the transgenic technique uses three genes that produce bioluminescent proteins of three different colors (red, green and blue). The genes are inserted in multiple copies into the genome of a mouse, and can produce up to about 100 colors.

- The Neuroscience for Kids "Site of the Month" for November is "Teaming Up to Protect Young Athletes" at: <http://www.cdc.gov/Features/Concussion/>

The Centers for Disease Control and Prevention, Seattle Seahawks football team and the Brain Injury Association of Washington have teamed up to launch a campaign to help protect young athletes from getting concussions. The team's web site has videos and podcasts to explain concussions and describes ways to protect athletes and prevent long-term brain problems. Tool kits (posters, videos, wallet cards, fact sheets) for high school coaches, youth sports coaches and doctors can be downloaded from the site. You can also send electronic postcards to remind people about the symptoms of concussions and make others aware of the "Teaming Up" web site.

4. OPPORTUNITIES

- The Albert Einstein Distinguished Educator Fellowship, Deadline: Jan. 13, 2009

<http://www.trianglecoalition.org/ein.htm>

The Albert Einstein Distinguished Educator Fellowship is a paid fellowship for K-12 math, science, and technology teachers. Einstein Fellows spend a school year in Washington, DC serving in a federal agency or on Capitol Hill. To be considered for an Einstein Fellowship for the 2009-2010 school year, apply and submit three letters of recommendation online by January 13, 2009.

- Presidential Awards for Excellence in Mathematics and Science Teaching

<http://www.paemst.org/controllers/home.cfc?method=view>

The Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST) is the highest recognition that a kindergarten through 12th-grade mathematics or science teacher may receive for outstanding teaching in the United States. This program authorizes the President to bestow up to 108 awards each year. The National Science Foundation administers PAEMST on behalf of The White House Office of Science and Technology Policy. The online application system will open for 2009 applications, for secondary teachers (grades 7-12), on or around Nov. 1, 2008.

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.