

\*\*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 13 – August 1, 2008**  
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### 1. DEADLINES

- **Monday, August 11:** Full draft of Lesson/Activity emailed to your Mentor (and cc'd to Mel)! Include your last name in the file. Also, STF Travel Expense Voucher and Receipts postal mailed in the envelope we provided for you. Keep a photocopy!
- **Monday, August 25:** Expect your Mentor to return your full draft with comments and suggestions.
- **Monday, September 8:** Full draft of Lesson/Activity emailed to Mel ([mlimson@the-aps.org](mailto:mlimson@the-aps.org)). This draft should incorporate your Mentor's suggestions. Also, Mini-Grant Application.

### 2. RT PROGRAM NEWS

**a. Post-Forum Recovery:** Wow! What an intense and fun-filled week at Airlie ;-) Thanks for making last week a productive and enjoyable one. Continue to reflect upon and adapt the skillful inquiry-based strategies that you experienced! NEXT STEP: Concentrate and work on completing your full Lesson/Activity draft for your Mentor by Monday, August 11<sup>th</sup>!

**b. Notes of Thanks:** Remember all those daily gifts and goodies you received? If you'd like to share your appreciation of thanks, feel free to send an email to the following contacts. They particularly like to hear how you would use their material in your classroom. Identify yourself as an American Physiological Society 2008 Research Teacher in the Frontiers in Physiology fellowship program:

#### **Holiday Lectures DVDs, Posters, and *The Genes We Share...* booklet from the Howard Hughes Medical Institute (HHMI)**

Dr. William Gale: [galeyw@hhmi.org](mailto:galeyw@hhmi.org)

Jennifer Bricken: [brickenj@hhmi.org](mailto:brickenj@hhmi.org)

#### **T-Shirts and Tote Bags from the Society for Developmental Biology (SDB)**

Dr. Ida Chow, Executive Officer: [ichow@sdbonline.org](mailto:ichow@sdbonline.org)

#### **Resources from the American Association of Anatomists (AAA)**

Andrea Pendleton, Executive Officer: [apendleton@anatomy.org](mailto:apendleton@anatomy.org)

#### **Anatomy and Physiology textbooks and lab manuals**

Clay Stone, Executive Marketing Manager: [cstone@wiley.com](mailto:cstone@wiley.com)

Wiley & Sons Publishing

#### **Environmental Studies on the Piedmont (Nature Walk and Bird Banding event)**

Caryl Buck, Naturalist and Assistant Director: [cbuck@airlie.com](mailto:cbuck@airlie.com)

#### **The American Physiological Society**

Dr. Martin Frank, Executive Director: [mfrank@the-aps.org](mailto:mfrank@the-aps.org)

**c. From our discussions at the Forum** (thanks to Marsha, Mike, Tonya)

**Online Stopwatch:** <http://www.online-stopwatch.com/full-screen-stopwatch/>

**From ABCNews.com: Scientists Teaching Geese to Migrate**

<http://abcnews.go.com/2020/story?id=123922&page=1>

**From YouTube:**

**Medieval Help Desk (Book directions):** <http://www.youtube.com/watch?v=aUczKPXWLM>

**Stuck on an Escalator:** <http://www.youtube.com/watch?v=oRBchZLkQRO>

**Jurassic Park video clip:** *unfortunately, it seems this clip has now been taken down!*

### **On Equity and Diversity**

- Carson, B. *Gifted Hands*.

- Davis, S., Jenkins, G., Hunt, R., Frazier, S. (2002). *The PACT*. 3 African-American men discuss their lives growing up in an inner city and the pact that they made to see each other through medical school.

- *We Beat the Streets*. (Same as The PACT, but written on middle school level with Sharon Draper).

- Smith, Greg Leitich. *Ninjas, Piranhas, and Galileo*.

Perfect for 6th graders! Multicultural and science-based. I have a classroom set that my students and I read together to integrate literacy. See Review:

[http://www.gregleitichsmith.com/mt/books/archives/2006/08/ninjas\\_piranhas.html](http://www.gregleitichsmith.com/mt/books/archives/2006/08/ninjas_piranhas.html)

### **3. RESOURCES**

#### **- Immune Attack**

<http://fas.org/immuneattack/>

From the Federation of American Scientists. An educational video game that introduces basic concepts of human immunology to high school and entry-level college students. Designed as a supplemental learning tool, Immune Attack aims to excite students about the subject, while also illuminating general principles and detailed concepts of immunology.

- **Metacafe** is one of the world's largest online video broadcasters with a global audience (almost like YouTube). For those into math, this clip is the Human Calculator: In 4 minutes learn to calculate faster than the calculator: <http://www.metacafe.com/w/742717/> (turn up your volume).

- For those interested in physics, see a cool sound waves demonstration posted on **YouTube**:

<http://www.youtube.com/watch?v=s9GBf8y0IYO> (turn up your volume).

#### **- Exploratorium Microscope Imaging Station**

[http://www.exploratorium.edu/imaging\\_station/](http://www.exploratorium.edu/imaging_station/)

In 2004, the Exploratorium launched the most ambitious microscope facility ever created for use by the general public, the Microscope Imaging Station. The project gives museum visitors the ability to view living specimens, as well as control the microscopes themselves to change the magnification, focus, and even the lighting. The project's companion web site reflects the diversity of topics and specimens that users might see on a typical visit; its goal is to recreate some of the excitement and wonder that the earliest biological researchers found as they discovered another world all around them. Through images, text, and video, visitors to the site can learn about blood cells, stem cells, what happens when the immune system goes awry, how the zebrafish is helping biomedical researchers understand how our hearts function, and how the sea urchin helps scientists understand such topics as genes, reproduction, and cancer.

#### **- Neuroscience for Kids "Site of the Month" for July:**

"Neuroscience Online: A Neuroscience Electronic Textbook" at:

<http://nba.uth.tmc.edu/neuroscience/index.htm>

The University of Texas Medical School at Houston has developed "Neuroscience Online" for students who want to get into the details of the nervous system. The resource is divided into three sections: a) Cellular and Molecular Neurobiology, b) Sensory Systems, and c) Motor Systems. Each section is divided into smaller chapters with images and animations that help explain concepts. Each chapter ends with a few questions to test your knowledge about a topic.

### **4. OPPORTUNITIES**

- **Funding resources and deadlines from eSchool News:**

<http://www.eschoolnews.com/funding/>

- **Tech Grants Calendar**

[http://www.techlearning.com/techlearning/pdf/grants/dellgrantscalendar08\\_09.pdf](http://www.techlearning.com/techlearning/pdf/grants/dellgrantscalendar08_09.pdf)

- **NSTA Technology Awards**, Deadline: Nov. 30

<http://www.vernier.com/grants/nsta.html>

The Vernier/NSTA Technology Awards promote the innovative use of data-collection technology using a computer, graphing calculator, or other handheld in the science classroom. Apply for one of seven \$3,000 awards. Each award will consist of \$1,000 in cash for the teacher, \$1,000 in Vernier Products, and up to \$1,000 toward expenses to attend the 2009 NSTA National Convention.

## **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.**