



## Pennsylvania Society for Biomedical Research 2012-2013 Poster Contest

### Eligibility:

All students in Pennsylvania, Delaware and West Virginia public and private schools and youth organizations.

### Details:

The poster contest provides the opportunity for students to illustrate different aspects of biomedical research and science through art.

### Contest Themes:

The PSBR Poster Contest will have the following themes:

- Animal Research Saves Lives
- Animals Helping Animals
- Advancements in Biotechnology
- Careers in Science
- 3 R's: Replacement, Reduction, Refinement

Students are encouraged to illustrate their views on these themes. Poster requirements and more information (including background and theme ideas) are attached below and can be found on our website at [www.psbr.org](http://www.psbr.org) > Programs > Poster Contest.

### Winners:

Winners will be notified via email or phone on or before *May 1, 2013*.

Winners will be featured in an *18-month calendar* and invited to attend the *PSBR Annual Awards dinner* on *May 30, 2013* in Radnor, PA.

Questions? Email us at [contests@psbr.org](mailto:contests@psbr.org) or Call us at 717-731-3558

## **PSBR's Animal Research Saves Lives Poster Contest:** ***Theme Background and Ideas!***

Here are suggestions for poster ideas, but students are free to use their imagination, as long as the basic theme is addressed.

### **Animal Research Saves Lives!**

Virtually every major medical advancement of this century was made possible through research with animals. Your poster can feature a specific disease like polio or diabetes. You might illustrate how life is different today due to cures or treatments available for these diseases. Or you can feature a personal story of how animal research (or a medical treatment or cure) has affected you or a close relative.

### **Animals Helping Animals**

Our pets and other animals in our society benefit from animal research too! Vaccines, antibiotics, and advancements in surgery have all lead to longer, healthier lives for animals. Your poster can show benefits for animals, feature a specific advancement, or share a specific story that has affected the life of an animal you know.

### **Advances in Biotechnology**

Amazing advancements in biotechnology have resulted through animal research – everything from developing mice that offer models for human diseases to the “pill cam” and functional artificial body parts! Your poster can feature one of the biotechnological advancements that are helping people or animals today (or will be in the future).

### **Careers in Science**

Most people think of a scientist or a doctor when considering a career in science. There is a very long list of careers that meet a wide range of interests – these careers also advance medicine and science and help people and animals live longer, healthier lives. Some examples are: bioengineers, animal care technicians, veterinary technicians, veterinarians, hematologists, immunologists, many other “ologists,” pharmacists, computer specialists, regulatory officers and inspectors, and more! Your poster can feature one or more science careers that support the advancement of medicine and/or science.

### **3 R's: Replacement, Reduction, Refinement**

A widely accepted ethical framework for conducting scientific experiments using animals. Your poster can feature one of the many ways researchers use the 3 R's. Replacement refers to methods that avoid or replace the use of animals in scientific research by using other methods such as in vitro cell culture, computer modeling, or human volunteers. Reduction refers to methods which minimize animal use and enable researchers to obtain comparable levels of information from fewer animals, or to obtain more information from the same number of animals. Refinement refers to methods which minimize actual or potential pain, suffering, distress, and/or improve animal welfare in situations where the use of animals is unavoidable.

## Poster Requirements

Posters created by students must be their own original artwork. Copyrighted characters (such as Superman) or copyrighted clip art will not be accepted. **A poster release form must be included with the poster submission. Release form is attached.**

### Materials:

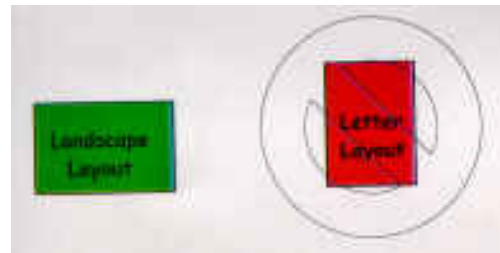
Students may use a variety of media, physical (watercolors, pen and ink, crayons, markers, etc.) or computer graphics. Remember, brighter colors will reproduce better for the calendar (i.e. light pencil marks will not show up). Keep in mind, most posters will likely be on public display, and should be easy to see or read.

### Size & Layout:

Minimum: 8 ½" x 11"

Maximum: 11" x 17"

**Landscape Layout only!!**



### Judging:

The posters will be grouped in one of the following four grade categories - kindergarten through 3rd grade; 4th through 6th grade; 7th through 9th grade; and 10th through 12th grade.

The four (4) best posters in each grade category will be judged based on the judging criteria listed below. First, second, third, and fourth place will be awarded in each grade category.

### Judging Criteria:

1. Clear message conveyed by the text and artwork
2. One of the poster themes listed above is addressed
3. Creativity, originality and artistic quality
4. Visual clarity - easily read
5. Bright and colorful

### Poster Submission:

Entries must be received on or before **March 15, 2013**. The **release form** must be attached to the back of the poster.

### Mailing address:

PSBR  
PO Box 1163  
Camp Hill, PA 17001-1163

## 2013 RELEASE FORM

**\*\*This form must be securely fastened to the back of the poster\*\***

Student's Name \_\_\_\_\_

Student's Home Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Grade \_\_\_\_\_

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Teacher/Contact \_\_\_\_\_

School/Organization \_\_\_\_\_

School/Organization Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone Number (\_\_\_\_\_) \_\_\_\_\_

Teacher Email \_\_\_\_\_

Student Email and phone \_\_\_\_\_

Parent Email and phone \_\_\_\_\_

I hereby certify that this poster was created entirely by the student above and is the student's original artwork and there are no copyrighted characters used. I agree that it may be offered for public display or publication at some time during or after the contest. I understand that this poster becomes the property of the Pennsylvania Society for Biomedical Research and may be reproduced. The only information that may be released is your child's name, school, grade or hometown.

\_\_\_\_\_  
Signature of Student

\_\_\_\_\_  
Signature of Parent/Guardian

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date