



# New Jersey Association for Biomedical Research 2023 - 2024 Poster Contest Kindergarten - 12<sup>th</sup> Grade

*\*Sponsored by NJABR in collaboration with PSBR & SPARC\**

## Eligibility:

All students in grades K-12<sup>th</sup> in New Jersey including (but not limited to): public and private schools, home and cyber schools, and youth organizations.

## Details:

Discover the connection between biomedical research and your life! The poster contest provides the opportunity for students to illustrate different aspects of biomedical research and science through art.

## Contest Themes:

The 2024 PSBR Poster Contest has the following themes:

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

Students are encouraged to illustrate their views on these themes. Poster requirements and more information (including background and theme ideas) are attached below.

## Winners:

Winners will receive a \$100 *cash prize*. Winners will be notified by email on or after May 8, 2024.

**Submission Deadline: March 10, 2024 at 11:59pm**

Questions? Email us at [contests@njabr.org](mailto:contests@njabr.org) or call us at 717-731-3559

## **“Biomedical 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.*

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

The 3 R’s is 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.

### **Advancements 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).

### **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.

### **Careers in Biomedical Research**

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.

### **Veterinary Advancements: Animal Research Helping Animals**

Veterinarians, regardless of their field of practice, all play a significant role in human health and animal health. 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.

## 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. The release form is attached below.***

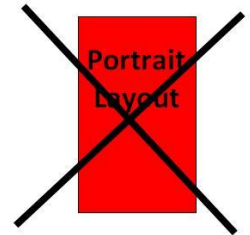
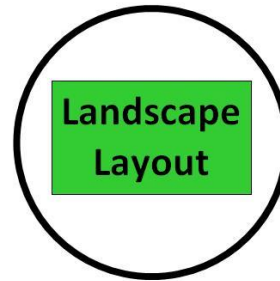
### Materials:

Students may use a variety of media, physical (watercolors, pen and ink, crayons, markers, etc.) or computer graphics. No copyrighted images may be used. *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 and read.

### Size & Layout:

**Minimum:** 8 ½" x 11"

**Maximum:** 11" x 17" **Landscape Layout Only!!**



### 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 presentation quality
4. Visual clarity – easy to read (will reproduce well for calendar printing)
5. Bright and colorful

### Poster Submission:

Entries may be mailed to PSBR. All mailed items must be postmarked on or before **11:59pm on Sunday, March 10, 2024**. A **release form** must be attached to the back of the poster. Digital creations can be emailed to [contests@njabr.org](mailto:contests@njabr.org).

#### Mailing address:

PSBR  
Attn: NJ Poster Contest  
PO Box 1163  
Camp Hill, PA 17001-1163

OR

PSBR  
Attn: NJ Poster Contest  
1675 Camp Hill Byp #1163  
Camp Hill, PA 17001

## 2024 RELEASE FORM – NJ POSTER CONTEST

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

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

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

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

Grade \_\_\_\_\_

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

Student Email \_\_\_\_\_

Parent/Guardian Email \_\_\_\_\_

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

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

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

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

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

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

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 (PSBR) and the New Jersey Association for Biomedical Research (NJABR) and may be reproduced. The only information that may be released is the student's name, school, or grade.

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

\_\_\_\_\_  
Signature of Parent/Guardian or Sponsor/Teacher

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

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

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date