

# The Arizona Nanotechnology Cluster's 2010 Essay Contest: Improving Healthcare with Nanotechnology

## About Us

The Arizona Nanotechnology Cluster is a not-for-profit organization, which was formed in January 2003 to share and promote technology advances in the fast-growing field of nanotechnology. Our membership includes an active group of academicians and professionals in several engineering and scientific fields. The Arizona Nanotechnology Cluster vigorously supports K-12 education through various outreach programs by providing as lecturers scientists, engineers, and professionals in the area of nanotechnology to educate students on the science and applications of nanotechnology, as well as careers in the field.

The Cluster invites you to share your thoughts on the uses and potential impact of nanotechnology on our way of life through an original, creative essay.

## Eligibility

High school and middle school students are eligible to participate in the Essay Contest.

## Essay Prizes

Grades 6-8  
1st Place - \$500 Award  
2nd Place - \$300 Award  
3rd Place - \$200 Award

Grades 9-12  
1st Place - \$500 Award  
2nd Place - \$300 Award  
3rd Place - \$200 Award

## Topic

How can we apply nanotechnology to improve healthcare? In addition to applying nanotechnology to healthcare, your essay should address at least one of the following categories: a) nanotechnology environmental concerns, b) nanotechnology legal (e.g., regulatory) concerns, and c) nanotechnology societal concerns as these concerns pertain to use of nanotechnology in healthcare.

Essay Format:      1) State the problem or enhancement.  
                             2) What type of nanotechnology will be used to address the problem?  
                             3) How does this choice of nanotechnology solve this problem?

## Essay Requirements

1. Each entrant may submit only one essay.
2. Each essay must be original (no copying) and include the student's own thoughts and ideas.
3. The essay must be in English and be at least 500 words and no longer than 1500 words.
4. The essay must be in Microsoft Word format, and be doubled spaced, with numbered pages, and the font may be no smaller than 11 point.
5. References should be appropriately cited.
6. The essay must include on the front page: essay title, student name, grade, teacher, school, parent/guardian name, student address, student telephone number, and student email address.
7. The essay must be submitted before March 26, 2010. Submit essays to:  
[essay@aznano.org](mailto:essay@aznano.org). If you have any questions or comments about the contest, please contact Cindy Pillote at [cpillote@swlaw.com](mailto:cpillote@swlaw.com) or call 602-382-6296.

## Essay Judging

The essays will be judged by a panel established by the Arizona Nanotechnology Cluster. All judges' decisions are final. All essays become the property of Arizona Nanotechnology Cluster.



## Winner Notification:

Winners will be notified by May 31, 2010.