

## ASOR Poster Session:

### Information on Designing an Academic Poster

(adapted from <http://guides.nyu.edu/posters>)

## What is a Research Poster?

Posters are widely used in the academic community, and most conferences include poster presentations in their program. Research posters summarize information or research concisely and attractively to help publicize it and generate discussion.

The poster is usually a mixture of a brief text mixed with tables, graphs, pictures, and other presentation formats. At a conference, the researcher stands by the poster display while other participants can come and view the presentation and interact with the author.

## What makes a good poster?

- Important information should be readable from about 10 feet away
- Title is short and draws interest
- Word count of about 300 to 800 words
- Text is clear and to the point
- Use of bullets, numbering, and headlines make it easy to read
- Effective use of graphics, color and fonts
- Consistent and clean layout
- Includes acknowledgments, your name and institutional affiliation

## Where do I begin?

Answer these three questions:

1. What is the most important/interesting/astounding finding from my research project?
2. How can I visually share my research with conference attendees? Should I use charts, graphs, photos, images?
3. What kind of information can I convey during my talk that will complement my poster?

## What software can I use to make a poster?

**PowerPoint:** A popular, easy-to-use option. It is part of Microsoft Office package and is available on the library computers in rooms LC337 and LC336. ([Advice for creating a poster with PowerPoint](#)).

**Adobe Illustrator, Photoshop and InDesign:** Feature-rich professional software that is good for posters including lots of high-resolution images, but they are more complex and expensive.

**Open Source Alternatives:** [OpenOffice](#) is the free alternative to MS Office (Impress is its PowerPoint alternative). [Inkscape](#) and [Gimp](#) are alternatives to Adobe products. For charts and diagrams try [Gliffy](#) or [Lovely Charts](#). A complete list of [free graphics software](#).


# sample of a well designed poster

## Tips for Designing Effective Presentations

A poster with the main title in 1 1/2" sans serif


Developed by D. Shang, C. Dwyer, W. Kelly, B. Inoué, and K. Wink  
with materials donated by Penn State's Education Technology Services

### Get the audience's attention and communicate your message quickly and succinctly.



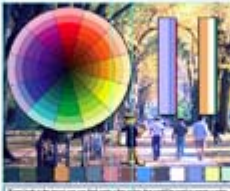
Use a large, clear font for the title and key messages. Use high-contrast colors for text and graphics. Use a clean, uncluttered layout. Use a professional, sans-serif font for all text.

### Using Images



Use images that are relevant to your topic. Use images that are high quality and clear. Use images that are uncluttered and professional. Use images that are easy to see from a distance. Use images that are consistent with the overall design of the poster.

### Choosing and Using Color



Use a color wheel to choose colors that are complementary and visually appealing. Use a limited color palette. Use color to highlight important information. Use color to create a sense of hierarchy and organization.

### Viewers reading this line demonstrate the poster's success!

# sample of a poorly designed poster

## O<sup>6</sup>-Benzylguanine Inhibits Tamoxifen Resistant Breast Cancer Cell Growth and Resensitizes Breast Cancer Cells to Anti-Estrogen Therapy

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### Abstract

Endocrine therapy using antiestrogens are used and are very effective for breast cancer. However, tumor resistance to tamoxifen is a significant barrier to successful therapy. Based on our recent studies on the combination of O<sup>6</sup>-benzylguanine (BG) with tamoxifen (TAM) in MCF-7 cells, we have investigated whether O<sup>6</sup>-benzylguanine (BG) is a novel agent for tamoxifen resistant breast cancer cells. We have investigated whether O<sup>6</sup>-benzylguanine (BG) is a novel agent for tamoxifen resistant breast cancer cells. We have investigated whether O<sup>6</sup>-benzylguanine (BG) is a novel agent for tamoxifen resistant breast cancer cells.

### Introduction

Recent advances in breast cancer research have identified key proteins involved in the repair of DNA damage induced by chemopreventive agents. The ability of cancer cells to recognize DNA damage and initiate DNA repair is an important mechanism for therapeutic resistance and has a negative impact on therapeutic efficacy. A number of DNA-damaging agents attack the endogenous O<sup>6</sup> position on guanine, forming mutagenic and highly cytotoxic lesions. DNA adducts, the DNA repair enzyme O<sup>6</sup>-methylguanine methyltransferase (MGMT), repaired the O<sup>6</sup>-methylguanine (O<sup>6</sup>-MeG) adducts. The ability of cancer cells to recognize DNA damage and initiate DNA repair is an important mechanism for therapeutic resistance and has a negative impact on therapeutic efficacy.

### Results

Prophylactic treatment of tamoxifen resistant MCF-7 cells with O<sup>6</sup>-benzylguanine (BG) prior to tamoxifen (TAM) treatment significantly increased the sensitivity of MCF-7 cells to TAM. We have investigated whether O<sup>6</sup>-benzylguanine (BG) is a novel agent for tamoxifen resistant breast cancer cells. We have investigated whether O<sup>6</sup>-benzylguanine (BG) is a novel agent for tamoxifen resistant breast cancer cells.

### Conclusions

In the present study, we observed that prolonged treatment with O<sup>6</sup>-benzylguanine (BG) resensitized tamoxifen resistant breast cancer cells to anti-estrogen therapy. Our findings suggest that O<sup>6</sup>-benzylguanine (BG) is a novel agent for tamoxifen resistant breast cancer cells.

### Acknowledgements

We thank Dr. [Name] for providing the O<sup>6</sup>-benzylguanine (BG) reagent. We also thank [Name] for providing the tamoxifen (TAM) reagent. We thank [Name] for providing the MCF-7 cells. We thank [Name] for providing the MCF-7 cells.

Helpful websites:

<http://guides.nyu.edu/posters>

<https://nau.edu/undergraduate-research/poster-presentation-tips/>