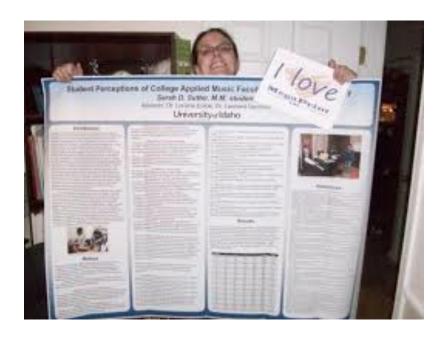
How to create an effective poster

Nadiya Dragneva March 2014

Two ways to make a poster:

- ✓ to have someone else do it ©
- ✓ make your own!



An effective poster will help you

- √ engage colleagues in conversation
- ✓ get your main points across to as many people as possible

An effective poster is

Focused: on a single message

Graphic: lets graphs and images tell the story

Ordered: keeps the sequence well-ordered and

obvious

Ineffective posters suffer from easy-to-fix problems

- ✓ objective(s) and main point(s) hard to find
- √ text too small
- ✓ poor organization
- ✓ poor graphics
- **√** ...



Poster Design

- ✓ Keep it simple; emphasize with visual effects
- ✓ Catchy title, prominent by-line (logos)
- ✓ Use bullets, not sentences
- ✓ Three columns for maximum flow
- ✓ Strong contrast between text and background

Poster Elements

- ✓ Abstract (NO abstract or only bullets)
- ✓ Introduction (Background)
- ✓ Objectives (clearly stated)
- ✓ Methods (minimal; use a diagram)
- ✓ Results (prominent and visual)
- ✓ Discussion (not necessary; minimize)
- ✓ Conclusions (prominent)
- ✓ Acknowledgements (very important)



levels were significant using a specific siRNA

showed that BG binds

currently undergoing c

O6-Benzylguanine Inhibits Tamoxifen Resistant Breast Cancer Cell Growth and Resensitizes Breast Cancer Cells to Anti-Estrogen Therapy

Joshua Smith', George C Bobustuc', Rafael Madero-Visbal', Jimmie Colon', Beth Isley', Jonathan Ticku', Kalkunte S. Srivenugopal and Santhi Konduri¹

*Cancer Research Institute of M.D Anderson Cancer Center Orlando *Texas Tech University Health Sciences Center, Amarillo, TX



Abstract

rapses using ann-estrogens are easit toxic and very effective nor dreast cancers, sowever, tumor resonance to ains a stumbling block for successful therapy. Based on our recent study on the involvement of the DVA in pancreatic cancer (Clin Cancer Res. 1c. 6687, 2000), here, we investigated whether MGMT overexpression tamoxifen remains a stumbling protein MGMT in pancreatic of or [O*-benrylguanin (BG)] at a non-toxic di-

Posters rarely

al cells. Also, MGMT of the ER-a expression to observed an inverse need abstracts was accompanied by

increased MGMT exp increased MGMT exp conference to the first of the first and first first

Introduction

Recent advances in breast cancer research have identified key pathways involved in the repair of ENA damage induced by chemotherapeutic agents. The ability of cancer cells to recognize DNA damage and initiate ENA repair is an important mechanism for therapeutic resistance and has a negative impact on therapeutic efficacy. A monther of ENA-demanding, alkylating agents attack the nucleophilic O^a position on guanine, forming mutagenic and highly cytotoxic intentrand DNA crossiliaks. The DNA repair enzyme O^a-alkylgannine DNA alkyltransferase (AGT), encoded by the gene MGMT, require askylation at this site and is responsible for protecting both unnor and normal cells from alkylating agents. MGMT is to 4-fold higher than i degradation of MGMI inhibited AGT and po-

erolibe for protecting both tumor and normal cells from allylating agents. MGMT is all cells from the control of the green state of the control of the contr Text dissolves into lentylganine (80) intimidating, tion damage. BG is

boring gray interestingly, several containing the several containing the several contains where well contains where well contains the several containing the several contain settings, resistance to this endocrine therapouric agent is an important clinical problem. The primary goal of present study was to investigate the mechanisms of anti-entering order presistance and to design new therapouric strategies for circumventing this resistance. The results show that MoSIT expression is increased in TAM-resistant breast cancers and inhibition of MOSIT by 160 significantly improves TAM-entersistys.

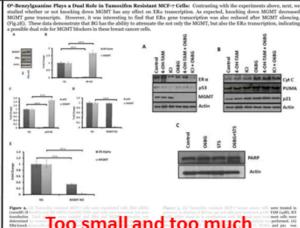
Prolonged Treatment of Tamoxifen Increases MGMT Expression: We developed a tamoxifen resistant MCF-7 cell line by using prolonged treatment of tamoxifen on the parental ER-positive breast cancer cell line, MCF-7, Tamoxifen-resistant MCF-7 cells profilerate at notes similar to the parental MCF-7. Prolonged treatment of tamoxifen cents MCF-7 cells increased MGH expression compared to parental MCF-7 cells by 2 fold (Fig.1).

Knocking Down ERG Enhances MGMT Expression in Tamoxifen Resistant Breast Cancer Cellis: It is not known whether ERG and MGMT transcriptionally regulate each other in tamoxifen resistant breast cancer cells. We therefore investigated regulate each other in Linuxichen resistant dresset cancer ories. Her Bereiter survestigation whether down requisition of ERs has any effect on endogenous MiDGT expression in these cells. As expected, downregulation of ERs using specific siPGAs significantly reduced ERs protein levels in these cells. Western bot analysis was performed and the results in the left panel (Fig. 2A) shows that silencing of ERs increases MiGGT expression in these cells, and interestingly, the results in the right panel (Fig. 2B) shows increased MiGGT expression in the cells are of Fig. 2B) when increased MiGGT expression in the right panel (Fig. 2B) whose increased MiGGT express MiGGT express MiGGT express size of Fig. 2B).

Transcriptional Regulation Between MGMT and p32: Previously, it was reported that p53 negatively regulates MGMT in breast cancer offs. Therefore, we addressed whether or not advancing the p52 ordanore endoground MGMT transcription. Transcribe whether or not advancing the p52 ordanore condeprisons MGMT transcription. Transcribe MGMT siRNA (MGMT-KD) (Fig. 28) along with Non-specific siRNA (NS), MGMT expression was consistently increased in p53 knot down orda, with different experiments showing a – fold sugmentation (Fig. 2A) and as expected, knocking down MGMT transcription where as p52 mRNA knews were smalleted in MGMT knockhown off (Fig. 2D). These results confirm that p53 can regulate MGMT at the transcriptional level.



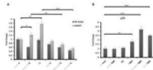




Too small and too much

Ob-Benzylguanine Modulates p53 Down-Stream Targeted Protein Expressions: Encouraged by the results reported, we investigated the effect of combination therapy on endogenous MoMT, p53, and ERR potein expressions. As expected, EG decreased MoSTF expressions, while combination therapy (+0.17-AM or IX combined with BG) significantly devenued beth MOSTF and ERA expressions. BG alone or in combination with tansonifen or IXI decreased IEA or expression, whereas tansonifen alone and IXI alone increased and decreased the same respectively (Fg.3A), Qcg expression vas slightly altered after IXI treatment. The reduction is not expression by IXI alone was reversed when BG was combined (Fig.3A). We investigated the effect of BG on posteria which are involved in ord cycle regulation, apoptosis in transoline treatment event of the interest inspirit carries the parameters of the procession of the procession of the parameters of the procession of the procession of the parameters of the procession of the parameters of the procession of the parameters of the parameters of the procession of the parameters of the parameters of the parameters of the procession of the parameters of the p

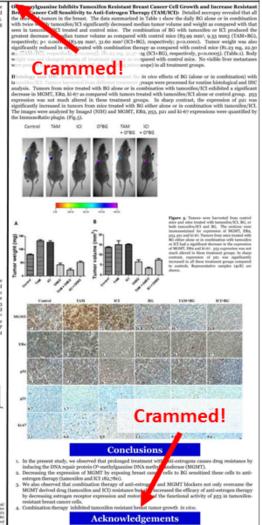
06-Benzylguanine Modulated Transcriptional Targets On-Benzylgusanine Modulated Franscriptional Targets in Tamoxifier Resistant Breast Canner Cells: The effect of combination therapy on endogenous MiMT mEXA, levels we asso shid, Quantitative real-time PCR (qu17-PCR) resulted that anti-estrogens (TAM/ICI) increased the MOMT expression while the combination therapy decreased it and ompared to control levels. ERg transcription was decreased ompared to controls with all these treatments (Fig.4A)



Caption not aligned with figure

In order to investigate the effect of BG on pcg function we performed furthermore reporter assays. Tamoxilien retaint MCF-9 breast cancer cells were transfered with plus promoter construct in presence or absence of BG (targe sense of pcg.). These results clearly demonstrate that BG significantly enhanced pat transcriptional activity by in these cells (Fig.4D).





Too much text, poor organization, boring

Title, formatted in sentence case (Not Title Case and NOT ALL CAPS), that hints at an interesting issue and/or methodology, doesn't spill onto a third line (ideally), and isn't hot pink

Colin Purrington

666 Teipai Street, Posterville, PA 19801, USA

Introduction

Your tester was mildly intrigued by the title, but you have exactly two sentences to hook them into reading name. So describe exactly what your interesting question is and why it readly needed to be addressed. Granitous background information will cause them to walk news.

Typography research has shown that lext is easier to read if you use a serif feet such as Times. But use a non-serif fence for this, headings, ore, so subdy uge them as different. Research has also shown that fully justified text (like this paragraph) is barder to read, so don't do this, even if it sooms cool and professional booking.



Figure 1. A catchy photograph can help lure people to your otherwise boring poster. Yes, I risked my life getting this shot.

Materials and methods

Few people really want to know the gruesome details of what you've been up to, so be brief. And be visual. Use a photograph, drawing, or flow chart if possible, supplemented with only a brief overview of your procedure.

If you can nomehow attach an object, an iPad, etc., that can involve viswers in active way, do so. Raffer to the companion website (see bottom right section) for more ideas if you are creatively challenged.



Figure 2. Hand-drawn illustrations are preferable to computer generated ones. Just bribe or first with an artist to get them to help you out. A photograph of you actually doing samething might be nice.

Results

The eventil layout in this areas should be visually compelling, with clear cure on how a reader should haved through the components. You might went a large may with incel graphs. Or have questions on left and answers with supporting graphs on right. Be sure to separate figures from other figures by generous use of white space. When figures are too cramped, viewers gel confused about which figures to read first and which lagand goes with which figures. Cramped content just looks bad, two. The high thing to resembler is that a Results section on a poster does not need to look like a Results section on a manuscript, so first free to be creative.

If you can add small drawings or icons to your figures, do so—those visual cuts can be prictions as the in orienting viewers.

And use colored arrows or callout to focus attention on important parts of graphs. You can even put text annotations next to arrows to tell reader what's going on that's interesting in relation to the hypothesis test. E.g., "This outlier was most likely caused by commissions when I ensemed into tabe." Also, don't be afraid of using colored connector lines to show how one part of a figure relates to another figure.

Figures are preferred but tables are sometimes unavoidable, it like death. If you must include one, po to grant elloris to make it look professional. Look in a respected journal and emulate the layout, line types, line thickness, not alignment, etc., exactly. A table looks but when it is finite oromposed within Microsoft Wend, then inserted as an Object. Use colored sex or arrows to draw amention to important parts of the table.

Paragraph format is fine, but so are bullet lists of results:

- . 9 out of 12 brainectonized rate survived
- Brainectomized rats are less.
- Control rate completed maze faster, on average, than rate without brains

This sample results section is way too wordy, in case you were wondering.

Do treatments differ in their effects?



Figure 3. Legends can describe the experiment, answer the question, and even include statistics if you so choose (unlike a manuscript figure legend). And be brief.

De As and Bs respond differently to X?

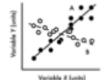


Figure 4, Label elements instead of relying on annoying keys that are defaults on most software. Add pictures of A and B if they are actually things (e.g., icons of aster and begonia flowers).

Are medians of treatment A and D different?



Figure 5. For the lave of God, don't be tempted to reduce forcide in figure legends, axes labels, etc. Your viewers are probably most interested in reading your figures and legends.

Conclusion

Conclusions should not be more reminders of your results that would be bening. You want to guide the reader through what you have concluded from the results, and you need to make the first several suntences understandable on that own and interesting.—because many confirmence sittendees well start reading this section first. If you don't book them, they'll walk. These first several sunneases should refer back, explicitly, so the burning issue mentioned in the introduction. (If you didn't mention a burning house in the introduction, go back and fix that.)

A good conclusion will also explain how your conclusions fit into the literature on the topic. E.g., how concily does your research add to what is already published on the topic? It's important to be humble and generous in this section, so assume that authors of previous literaturate may be at the confinence, and further assume they are crabby and influential. You can also draw upon less formal types of content such as conventations you have had with senant and important people (Code, personal communication).

Finally, you want to tell readent who have listed this leng what needs to be done cost, and who should do it. Eg, are you taking the next logical step, or should another discipline follow up on your ansating nearlef I's OK to put a bit of personality into this ending because viewers expect posters to be personal, and if you're not extually standing then to convey your endustrate, your porter should be doing that for you.

If you have a graphical way to express the next iteration of the specific by all means include it. For example, you might make a graph of hypothetical data that shows an especied result in a future experiment. That's something you couldn't do in a traditional manuscript, but it's totally fine for a greater.

If you're carious, this poster has 876 words (just lock in File Properties to get this statistic). Aim for 500 words. If you are above 1000 words, your noster will be avoided.

Literature cited

Bender, D.J., E.M Bayne, and R.M. Brigham. 1996. Lunar condition influences cryote (Casis Javani) hawling. American Midland Naturalist 138:413-417.

Brooks, L.D. 1988. The evolution of recombination rates. Pages 87-105 in The Evolution of Sex. edited by R.E. Miched and B.R. Levin. Singuer, Sunderland, MA.

Scott, E.C. 2005. Evolution vs. Creationism: an Introduction.

University of California Press, Burkeley

Society for the Study of Evolution, 2005. Statement on teaching evolution. < http://www.evolutionsociety.org/enterments.html >. Accessed 2005 Aug 9.

[Doe't just make up a former for your references — follow the standard circline former for your discipline exactly. Then me, if you devians from shootles prefereise, the Type A chitrion police will be en you within a few minutes, and it won't be pretty. Note that you should not place a period after the journal name.]

Acknowledgments

We thank I. Güer for Inhoratory swittance, Mary Juans for seeds, and Herb Isside for greenhouse care. Funding for this project was provided by the Department of Thinkselings, III you want to cluster your poster with associate logics, shrink them down so that they can fit inside this area without semonthing text too much. Note that people's titles are owinted. Atthough our TMLI.

Further information

More tips can be found on "Designing conference posters," at http://colingueringtom.com/ligaricademic/posterdesign. Note that URLs should always be stripped of any automatic hypotlinic formating (right-click, then "remove hypotlinic").



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http://colinpurrington.com/wp-content/uploads/2011/09/scientific-poster-advice-purrington.pdf

Logo

Title of the Research Study PEOPLE WHO DID THE STUDY

UNIVERSITIES AND/OR HOSPITALS THEY ARE AFFILIATED WITH

Logo

Introduction

We hope you find this template useful! This one is set up to yield a 48x36" (4x3') horizontal poster.

We've put in the headings we usually see in these posters, you can copy and paste and change to your hearts content? We suggest you use keep black text against a light buckground so that it is easy to read. Background color can be changed in format-buckground-drop dozen morns.

The boxes around the text will automatically fit the text you type, and if you elick on the text, you can use the little handles that appear to stretch or squeeze the text boxes to whatever size you want. If you need just a little more noom for your type, go to format-line specing and reduce it to 90 or even 85%.

The dotted lines through the center of the piece will not print, they are for alignment. You can move them around by clicking and holding them, and a little box will tell you where they are on the page. Use them to get your pictures or text boxes aligned together.

How to bring things in from Excel® and Word®

Excel-select the chart, hit edit-copy, and then edit-paste into PowerPoint®. The chart can then be stretched to fit as required. If you need to edit parts of the chart, it can be ungrouped. Watch out for scientific symbols used in imported charts, which PowerPoint will not recognize as a used font and may print improperly if we don't have the font installed on our system. It is best to use the Symbol font for scientific characters.

Word-select the text to be brought into PowerPoint, hit edit-copy, then edit-paste the text into a new or existing text block. This text is editable. You can change the size, color, etc. in format-text. We suggest you not put shadows on smaller text. Stick with Anal and Times New Roman forts so your collaborates will have the format forts with the strength of the collaboration of the collaboration of the strength of the strength of the collaboration of the strength of the strength of the collaboration of the strength of stre

Seams

We need images to be 72 to 100 dpi in their final size, or use a rule of thumb of 2 to 4 megabytes of uncompressed this file per square foot of image. For instance, a 3x5 photo that will be 6x10 in size on the final poster should be scanned at 200 dpi.

We prefer that you import tif or jpg images into PowerPoint. Generally, if you double click on an image to open it in Microsoft Photo Editor, and it tells you the image is too large, then it is too large for PowerPoint to handle too. We find that images 1200x1600 pixels or smaller work very well. Very large images may show on your screen but PowerPoint cannot print them.

Preview: To see your in poster in actual size, go to view-zoom-100%. Posters to be printed at 200% need to be viewed at 200%.

Feedback: If you have comments about how this template worked for you, email to sales@megaprint.com.

We listen! Call us at 800-590-7850 if we can help in any way.

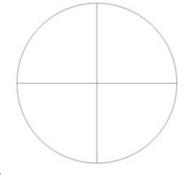
Methods

Figure #1

CHART or PICTURE

Results

Figure #2

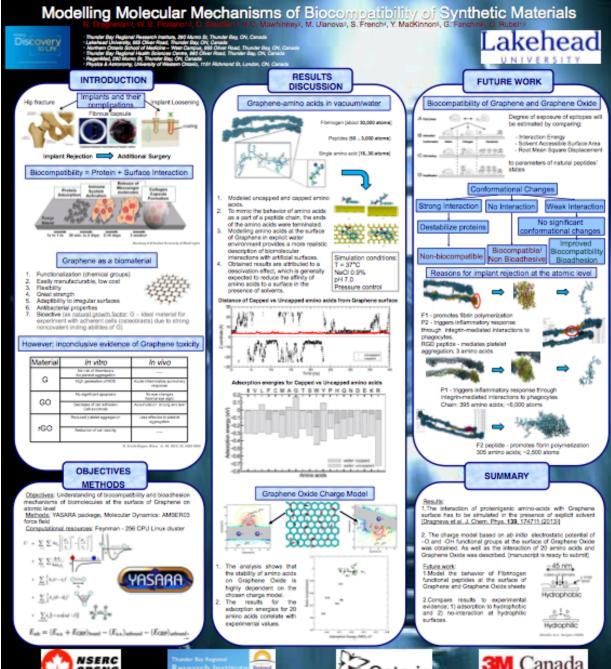


Conclusions

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Bibliography

printed by DKenger, Print Inc., were posterosesion.com











Define your massage

- ✓ All visuals and text should relate to message
- ✓ convey <u>a clear message</u> and support it with a combination of images and short blocks of text.
- √ Focus on your message
- ✓ <u>Be bold</u> & be explicit
- ✓ If you have an interesting result ->in the title
- ✓ Not repeating the results, <u>state interpretations</u> in the conclusion

Visual Grammar

- ✓ shows, not tells
- ✓ avoids visual chaos that distract the viewer
- ✓ uses a visual logic, with an hierarchical structure that emphasizes the main points
- ✓ displays the <u>essential content in the title, main</u> <u>headings and graphics</u>
- ✓ All elements, including figure legends, are visible from 4 feet away
- ✓ The main headings explain the points, rather than merely stating "results"

Headings

- √ to orient readers
- ✓ <u>summarize</u> your work in large letters. A hurried reader should be able to get the main points from the headings alone.
- ✓ <u>organize</u>: good headings are part of the visual grammar that helps move readers through your poster.
- ✓ Be <u>hierarchical</u>: the more important the point, the larger the type.
- ✓ Be <u>Bold</u>: make the strongest statements your research allows.

Planning

- What's my message? You must be able to state your main point(s) and conclusion(s) clearly.
- <u>How much room do I have?</u> Determine specific size requirements.
- What <u>milestones</u> should I establish? Allow time for peer review and heavy editing.

Planning

Present poster

When

Final print -1 week

What

Make changes suggested by peers -1 week

Distribute draft for peer review (round 2) -1 week

Make changes suggested by peers -2 weeks

Distribute draft for peer review (round 1) -2 weeks

Edit your draft ruthlessly -3 weeks

-3 weeks Create first draft of poster

Plan out poster on scratch paper -4 weeks

Define message and write an abstract (if you -4 weeks

haven't already done so)

Focus

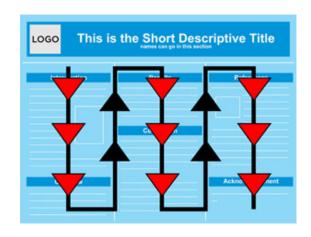
- ✓ Stay focused on your message. <u>Simple</u>
 messages are more memorable.

 Details distract from the main point, and can be supplied in person as needed.
- ✓ which <u>details</u> are <u>absolutely essential</u> for conveying your message. The most common problem is too much focus on methods.
- ✓ Edit text carefully, <u>reduce</u> sentence <u>complexity</u>.

Layout

- ✓ column format to make -> easier to read in a crowd
- ✓ <u>organization cues</u> to guide readers through poster
- ✓ "reader gravity" which pulls the eye from top to bottom and left to right
- ✓ balance the <u>placement of text and</u> <u>graphics</u> to create visual appeal
- ✓ white space creatively -> define the flow of information





Repetition priming of faces depends on attentional load and emotional valence at encoding

Alejandro de la Vega & Marie Banich Department of Psychology and Neuroscience

Background

Emotional information is prioritized...

- Fast & interferes win perception
- Produces involuntai responses

... but is it processe automatically?

- "Independently of a ention"
- Traditional view enotional processing is automatic
- Amygdala activaton (marker of emotional processing) not medulated by spatial attention (task relevant vs in elevant) for fearful faces1
- Alternative view s ne attention is necessary
- If attentional resources are fully exhausted, amygdala activati abolished2

Need more behavioral measures of processing

- Brain activation overly relied to infer processing³
- Term "processing" i not well characterized
- In particular, how is uture behavior affected by unattended emotiona timuli?

Repetition priming RP) - candidate meas re

- Facilitation in the pacessing of a stimulus following previous precessing of the stimulus
- Can reflect "subatte tive" processing
- Informs on future behavior

Present Study

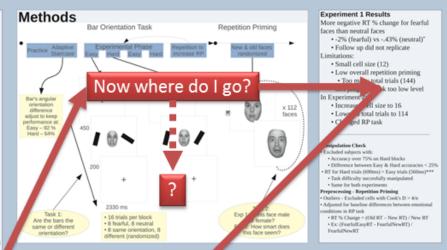
- Determine degree to wach emotional distractors are processed automatically and how that depends on attentional load
- Use repetition priming as processing measure · What type of processing is afforced by a previous exposure to a stimulus?
- Modulate attentional logd uping bar orientation task & test future behavior using

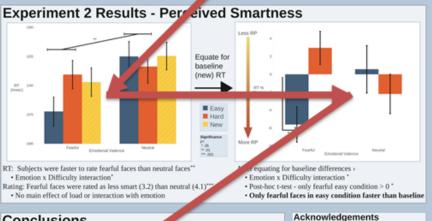
Experiment 1 - (n=24) judgment

· Basic superficial jutement

Experiment 2 - (n=22) Smartness rating (1-7 scale)

· "High level" subjective rating





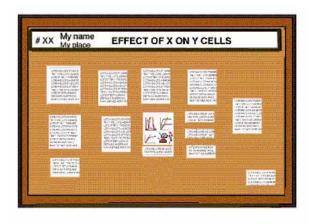
Conclusions

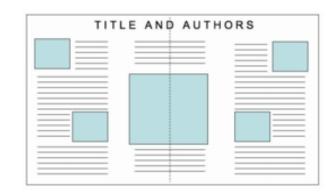
- High load distractors not processed mough to change future processing distractors occ Low load - very little processia leftover resources -> fearful f
- · Not very deep processing responses are unmodulated
- · Processing of emotional distractors is modulated by attentional load · At least some aspects of their processing is not automatic

References

Graphics

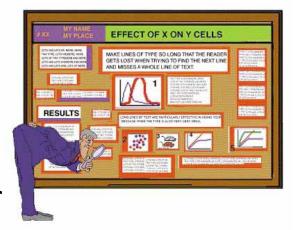
- simple and clean
- explanations directly on figures, instead of referencing from elsewhere
- Use simple 2-dimensional line graphs, bar chars, pie charts
- Text on graphs must be visible too





Text

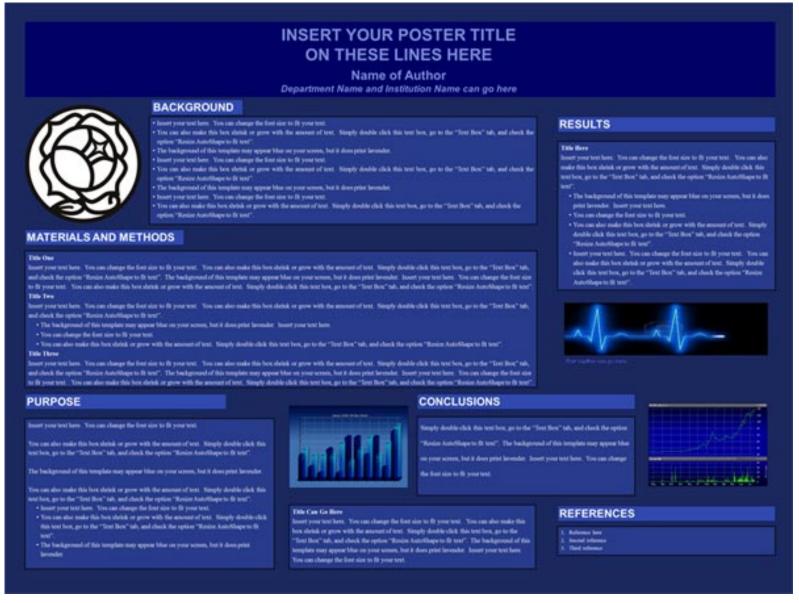
- ✓ Minimize text use images and graphs
- ✓ Keep text elements to 50 words or fewer
- ✓ <u>Phrases</u> rather <u>than full sentences</u>
- ✓ Use an active voice, <u>avoid jargon</u>
- ✓ Left-justify text; avoid centering and right-justifying text. Use a <u>serif font</u> (e.g., Times) easier to read
- ✓ Text should be at least 24 point in text, 36 for headings
- √ text size in figures it must also be large
- ✓ Title should be at least <u>5cm tall</u>
- ✓ you, who are familiar with the material, should easily read it from 6 feet



Color

- ✓ Use a light color background and dark color letters for contrast
- ✓ Avoid dark backgrounds with light letters very tiring to read
- ✓ Stick to a theme of 2 or 3 colors much more will overload and confuse viewers
- ✓ Overly <u>bright colors</u> will attract attention and then <u>wear out</u> readers' <u>eyes</u>
- ✓ Consider people who have problems differentiating colors, especially when designing graphics (inability to tell green from red)

No contrast, mixed up



Improved



Medical Research Poster: Looking Good

Nancy Doright

Department of Nursing, GoodHeart Hospital



BACKGROUND

- Insure your text have. You can change the first size to fit your text.
- You can also make this box datak or gove with the associat of text Simply double click this test how, go to the "Test Box" tab, and check the option "Basins Auto-Shape to St tost".
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PURPOSE

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MATERIALS AND METHODS

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RESULTS

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CONCLUSIONS

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REFERENCES

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Ryedale Flood Research Group

Poster 4: Floods – have we never had it so bad?

Flood histories - a national perspective

1998, 1999, 2000, 2001, 2003, 2004, 2007, 2008 ... and on and on and on. We seem to be living in a period of unprecedented flood risk, one related to climate change:

Prime Minister's Question Time on the 25th July 2007, immediately in the aftermath of the Central England flooding (Hansard, Volume 463, Part 130, Column 834) -

Sir Menzies Campbell: "The Prime Minister was responsible for the establishment of the Stern review, which he will recall pointed out the severe economic consequences of climate change. Is it not clear from the events of the past few weeks that we cannot afford not to take the necessary steps or indeed, not to spend the necessary money, in order to mitigate the effects of climate change?"

The Prime Minister: "The right hon. and learned Gentleman is right. The Stern report, which the Treasury commissioned, said that global warming is very likely to intensify the water cycle and increase the risk of floods. It is an accepted part of the Stern recommendations that we have to do more...



up to scrutiny?

Or are we?

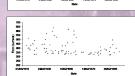
How does this stand

to present suggests a rising trend →

The River Severn

Record from 1965

The full River Severn Record things were much worse before 1965 →



The data problem

The plots above illustrate a serious problem. which influences our perception of flooding and flood risk. Only c. 7% of our rain gauge records go back to before 1960. Our data are biased to a flood poor period. This is probably why the current wave of flooding seems so bad.

Evidence from other sources of data

The possibility that, until the late 1990s, we had become used to living in a flood poor period is supported by other evidence, such as historical accounts, if we allow them to be used in analyses. For instance, the British Hydrological Society has a register of historical flood events that runs into the 1940s, based upon reported flooding (e.g. in newspapers). These data suggest that we go through runs of flood rich periods and runs of flood poor periods.

This shows us that there are other dimensions to the story, such as those to be found in historical and contemporary accounts of what it was like to live with floods. In this respect, 1947 & 2007 make an interesting comparison in that they were both years when the nation, as opposed to regions or districts, experienced flood risk ...

Records from water recorders

Looking back over this period, we find evidence of how our approach to floods has changed. In particular, two government publications, one called Harvest Home, published in 1947 by the then Ministry of Agriculture and Fisheries, the other from the Review of the 2007 flood events led by Sir Michael Pitt, serve to illustrate this →

This shows how society has changed ... from one where, during what is widely known as 'Austerity Britain', flooding was something to be lived with by doing something personally, to one where technology should have stopped flooding and what flooding remains should be managed by other people.

1947 versus 2007: 60 years of social change

Evidence from Harvest Home Every stretch of floodbank is assigned two or three men who live near by - many of them volunteers - whose task is simply that of any patrol in a battle, to give warning of movement by the enemy." "Not long after, the order went out "Patrol!". On every river bank the patrolmen set out from their homes, which some were not to see again for a couple of

Living with floods in 1947

days or more" "So there remained only the mess to clear up ... Typical was the action of the W.V.S at Reading, which organized voluntary "flying squads of Mrs. Mops" to go rounds

Living with floods in 2007 Evidence from the Pitt Review "In 1947 were the last floods, and with floods round here. " (Householder

revent and deal with flooding " (Bu

what do I pay my council tax for? Why sn't someone actually doing this? Why do I, myself, have to do it, if there's nobody out there digging that brook deeper and (Householder Gloucester)

Why do things seem to be bad?

1.We have had an unusually flood poor period from the 1960s to the

2.We are much less able and prepared to live with flood risk

Searching further back ...

We can search even further back to appreciate better our relationship with flooding. In this respect, besides what can be found in local histories, the British Hydrological Society's 'Chronology of British Hydrological Events' provides a wealth of material:

A southern example, around Bath ...

1739 - major floods in Bristol and Bath: 1774 - major flood; 1809 - great areas of the city under water; 1840 - major flooding, including at the site of the new GWR station; 1875 - enormous summer storms over much of England; 1894 - major Autumn floods, hundreds of homes evacuated; 1932 - major floods in Wiltshire, Somerset, adjoining counties; 1947 - Bath flooded following the thaw after the severe Winter; 1960 - worst floods since 1947; 1968, 1979, 1993 and 2000 - major floods ...

A northern example, around Leeds ..

1768 - major floods, following heavy rains and snow; 1790 - major flood after a sudden thaw, rivers higher than in the great flood of 1775; 1822 - big flood, many roads inundated and properties damaged; 1866 - great flood, prompting the Town Council to replace the old bridge; 1900 - extraordinary summer thunderstorm, many lives lost and much property damaged; 1948 - a very wet summer, with major flooding, prompting worries about the capacity of the sewers and storm drainage; 1968 - great summer storm, with serious flooding; 2000 - major floods, as in much of the U.K.

In summary, national trends in flooding are not so tractable to expressions of 'the worst ever' as one might believe. In particular, we seem to have moved from a 'flood poor' period, roughly between 1960 and 1990, to a 'flood rich' period, but it is not clear that this is any worse than has been experienced in Britain over past centuries.

Color

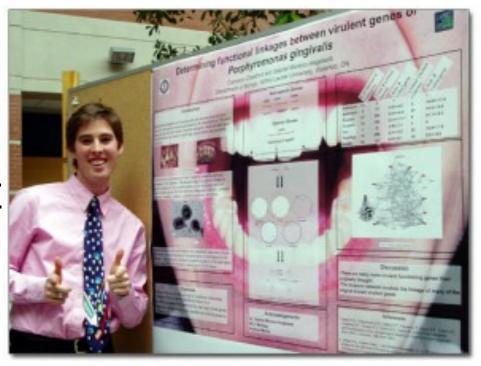
- ✓ Colors that do not compete with your data, that look good once printed
- ✓ Proper contrast will reduce eye strain and make the poster more legible and interesting visually. (careful: too much contrast is hard on the eyes and can distract the reader from your data)
- ✓ Adding light color backgrounds to your figures can make the poster attractive (eyecatching)
- ✓ Colors on the monitor are usually <u>not the same</u> on the final printed poster

Color

 If you are obsessive compulsive and have a large wardrobe, try to choose your clothes to match your poster color. (Research has shown that your poster will

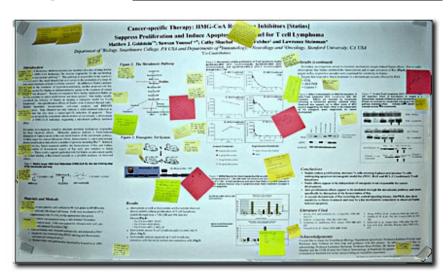
be visited more if you

match it ©



Editing

- ✓ Edit to reduce text (simplify verbiage, to reduce sentence complexity, and to delete details) If it's not relevant to your message, remove it.
- ✓ Have colleagues comment on draft



Present your poster

- ✓ Don't read it
- ✓ Prepare <u>0.5-, 2-, & 5- minute tours</u> of your poster.
- ✓ Tell viewers ... the context of your problem and why it is important (Introduction), your objective and what you did (Objective & Methods), what you discovered (Results), and what the answer means in terms of the context (Discussion).
- ✓ Use the graphics on your poster to support conversations with colleagues.

Present your poster

- ✓ only 11 seconds to grab and retain your audience's <u>attention</u> so make the punchline prominant and brief.
- ✓ Most of your audience is going to absorb only the punchline.
- ✓ you can afford to leave out all the <u>details</u> and tell those who are really interested <u>later</u>.

Helpful Questions

- ✓ What's the <u>research question</u>?
- ✓ Why is this question important?
- ✓ What <u>strategy</u> is used?
- ✓ What are the results?
- ✓ Why are these results unique/important
- ✓ How does this relate to other research?
- ✓ What research comes <u>next</u>?

Summary

1) People have to read it

- ✓ big letters: fonts are 36 or 48 for text and 72 titles
- √ 4 feet away, and the title at least 10 feet away

2) Don't challenge people's eyes

- ✓ a light colored background and dark letters for contrast
- ✓ avoid dark backgrounds with light letters very tiring to read
- √ don't make small pictures really big distracting
- ✓ don't use funky font, Times New Roman and Arial are easy to read

3) Don't read the poster to the audience

- ✓ give the big picture of what you did
- ✓ explain why the subject is important
- ✓ use the graphics to illustrate and support your key points

4) Balance the placement of text and graphics

- ✓ use white space creatively
- ✓ column format
- ✓ graphs should look professional and have labels

5) Take time in your creation

- ✓ This is a poster about something you have taking the time to study, take the time to present your information professionally.
- ✓ Spell Check. Proofread. Get feedback before printing.
- ✓ practice a poster

Abstract

- Explain why your work is important
- Describe the objective(s) of your work. What are you adding to current knowledge?
- Briefly explain the methods. Unless the research is about methods, this should not be a major focus of your abstract (or your poster).
- Succinctly state results, conclusions, and recommendations. – <u>tell what you found and</u> <u>recommend!</u>
- do not recommend including an abstract on your poster. A poster is already a succinct description of your work. An abstract can also serve as an outline for your poster, which can be thought of as an illustrated abstract.